



# RISING SUN ENTERPRISES

Complete Laboratory Solutions



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# RISING SUN ENTERPRISES

**Complete Laboratory Solutions**

We would like to take this opportunity of briefly introducing **Rising Sun Enterprises** which is a renowned supplier of Laboratory material to various Food processing, pharmaceutical, water testing, food testing & other FSSAI/NABL/BIS approved laboratories in India. The firm deals in a varied range of products like Autoclave, Soxhlet Extraction unit, Kjeldhal unit, Brix Meter, Electronic weighing balance, stirrer, chemicals, media culture & glassware etc.

The name and business strength that you can expect from our organization, is professionally managed services with committed staff. Our associates are in the same business for last 30 years. So you can expect most competent prices with unparalleled quality & timely delivery. We are a reliable supplier to many Food processing, pharmaceutical, water testing, food testing & other FSSAI/NABL/BIS approved laboratories in India.

It would be highly appreciated if you could register our company's name in your list of approved suppliers, for relevant business opportunities, so as to render our services to your esteemed selves in the foreseeable future.

Rising Sun Enterprises

8130740809 / 0124-4389117

[sales@risingsunenterprises.in](mailto:sales@risingsunenterprises.in)

[risingsunenterprises1978@gmail.com](mailto:risingsunenterprises1978@gmail.com),

Web:- <http://www.indiamart.com/risingsunenterprises>

Website: - [www.risingsunenterprises.in](http://www.risingsunenterprises.in)

E-12, BASEMENT, ARDEE CITY, SECTOR-52, GURGAON-122011



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### RSE - 401 : AUTOCLAVE VERTICAL

It is used for sterilization under saturated steam pressure at any selected point between 5 to 20 p.s.i. (Optional adjustable with pressure control switch). These are double walled units with inner chamber (Boiler) made of 18 S.W.G. SS & outer chamber is covered with M.S. Lid with S.S. lining is tightened by radial locking system. Fitted with neoprin rubber gasket, all systems are hydraulically tested upto 40 p.s.i. as a safety measure. These autoclaves are fitted with standards accessories such as water level indicator, pressure gauge, steam release cock, spring loaded safety valve & heating element. Supplied completely with S.S. basket, cord & plug to work on 220/230 volts A. C. Supply. All Deluxed Models besides being fitted with SS/Lid & having inner chamber made of S.S. & outer chamber S.S., are also fitted with Vacuum Beaker as a Safety Device.

Product code	Dia x Height	Ltrs	Load	Outer M. S.
RSE-401A1	250x450mm(10"x18")	22	1.5 KW	
RSE-401A2	300x500mm(12"x20")	40	2.0 KW	
RSE-401A3	350x550mm(14"x22")	50	3.0 KW	
RSE-401A4	450x600mm(18"x24")	98	4.0 KW	
RSE-401A5	550x750mm(22"x30")	152	5.0 KW	
				Outer S.S.
RSE-401A6	250x450mm(10"x18")	22	1.5 KW	
RSE-401A7	300x500mm(12"x20")	40	2.0 KW	
RSE-401A8	350x550mm(14"x22")	50	3.0 KW	
RSE-401A9	450x600mm(18"x24")	98	4.0 KW	
RSE-401A10	550x750mm(22"x30")	152	5.0 KW	

#### Optional Accessories

RSE-401OA1	Automatic pressure control switch (AUTOMATIC INDFOSS PIEZOSTAT)
RSE-401OA2	Automatic low water level cut-off device
RSE-401OA3	Automatic 0-60 minutes "GERMAN " Timer
RSE-401OA4	Digital Temperature Display
RSE-401OA5	Complete Automatic Purgin/Timer/Temp. System



RSE-401

### RSE-402 (A): AUTOCLAVE VERTICAL HIGH PRESSURE (TRIPLE WALLED) (FOR DRY STERILIZATION)

Most useful for sterilizing the loaded material under a steam pressure of 5to20 p.s.i. (adjustable with pressure control switch). It has inner chamber, steam jacket & outer wall made of S.S. duly argon are welded. The space between outer wall & steam jacket is filled with high grade glass wool to minimizes the temperature loss. All sterilizers are hydraulically tested upto 40 p.s.i. The lid is made of thick M.S. with S.S. lining or S.S. & closed by wing radial type closing arrangement. Fitted with a gasket made up of neoprene rubber, safety valve, water level indicator, steam release valve, pressure gauge & S.S. basket. Supplied completed with cord & plug to work on 220/230 volts. A.C. Supply. Fitted with vacuum beaker as a safety device.

Product Code	Dia x Height	Ltrs	Size in Inches	Load	S.S. Outer/ S.S. Lid
RSE-402A1	300x500mm	40	12" x 20"	4.00KW	
RSE-402A2	350x550mm	50	14" x 22"	4.00KW	
RSE-402A3	450x600mm	98	18" x 24"	6.00KW	
RSE-402A4	550x750mm	152	22" x 30"	6.00KW	

#### Optional Accessories

RSE-402OA1	Automatic pressure control switch (AUTOMATIC INDFOSS PIEZOSTAT)
RSE-402OA2	Automatic low water level cut-off device
RSE-402OA3	Automatic 0-60 minutes "GERMAN " Timer
RSE-402OA4	Digital Temperature Display
RSE-402OA5	Complete Automatic Purgin/Timer/Temp. System



RSE-401 (A)

### RSE-402 (B) : AUTOCLAVE HORIZONTAL (TRIPLE WALLED) (CYLINDRICAL)

Triple walled construction inner chamber is made up of high grade SS Sheet of SS-304 grade. The outer body is also made of thick SS Sheet. The boiler is made of SS. The lid is made of thick SS plate. The unit is duly fitted with highly efficient M.S. Painted Ring & radial locking system duly chrome plated. A three way valve or a multi port valve made of SS is installed for controlling the sterilization cycle. The pressure is adjustable from 5psi to 20psi, pressure is controlled by automatic pressure control switch. Fitted with water level indicator & vacuum beaker. The unit is fitted with temperature gauge, vacuum beaker & steam trap. The whole unit is mounted on a robust tubular stand made of MS duly painted with attractive stove enamel.



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Product Code	Size	Load	Outer S.S.
RSE-402A5	400 x 600 mm (16"x24")	9KV	
RSE-402A6	400 x 1100 mm (16"x44")	12 KV	
RSE-402A7	500 x 900 mm (20"x36")	9KV	
RSE-402A8	500 x 1200 mm (20"x48")	12KV	

### Optional Accessories:

RSE-4020A6 Complete Automatic Purging/Timer/Temperature

### RSE-404: CEMENT AUTOCLAVE

Complete with safety valve, pressure gauge and automatic pressure control switch.

#### Product Code

RSE-404A1 Inner Chamber made of MILD STEEL

RSE-402A2 Inner Chamber made of STAINLESS STEEL

### RSE-405 : B.O.D. INCUBATOR (LOW TEMPERATURE) (SUPER DELUXE DIGITAL)

Most versatile for Biochemical Oxygen Demand determinations. Castor wheel mounted cabinet is double walled with inner chamber S.S. & outer wall of M.S. Sheet duly powder coated. The gap of 75 m.m. between the outer & inner wall is fitted with special grade glass wool to prevent thermal losses. Triple walled back of the unit is fitted with two air circulatory fans for maintaining temperature uniformity throughout the chamber, Fully view inner glass/Acrylic door permits inspection of specimens, without disturbing the same. Lock & key arrangement is provided in the double walled outer door. Unit is fitted with door operated illumination lamp inside the chamber. Refrigeration unit is formed by ISI marked compressor, the front panel is provided with separate indicator lamps for main, heating & incoming voltage. Supplied complete with 3 shelves, cord & plug to work on 220/230 A.C. Supply. Temperature from 5°C to 6°C is controlled by Micro Processor Electronic Digital Temperature Indicator-Cum-Controller with an accuracy of ±0.5°C.

Product Code	Super Deluxe Digital	Model	Capacity	S.S. (304 Grade)
RSE-405A1	455 x 610 x 410 m.m.	(18"x24"x16")	4 Cuft (112 Ltr.)	
RSE-405A2	505 x 830 x 415 m.m.	(20"x34"x17")	6.1 Cuft (171 Ltr.)	
RSE-405A3	570 x 875 x 550 m.m.	(23"x35"x22")	10 Cuft (280 Ltr.)	
RSE-405A4	650 x 900 x 550 m.m.	(26"x36"x22")	12 Cuft (336 Ltr.)	

#### Product Code Optional Accessories

RSE-4050A1 Interior illumination with 3 nos. fluorescent tubes (Temp. 50 to 60°C)

RSE-4050A2 Automatic Voltage Stabilizer 3KVA. (TRIPLE RELAY)

### RSE-406 : SEED GERMINATOR (SINGLE CHAMBER) (WITH DIGITAL TEMP. CONTROLLER)

Most suitable for conducting various experiments on a variety of seeds under different conditions of temperature & humidity. Atmospheric conditions are created within the chamber to perform different experiments without gone on to the field. The double walled unit has inner chamber made up of S.S. & outer chamber of M.S. Sheet duly powder coated. Temperature from 5°C to 50°C ± 1°C is controlled by Microprocessor Digital Temp. Indicator-Cum-Controller. Humidity is controlled by Microprocessor Digital Humidity Controller created in a S.S. water reservoir fitted at the bottom to provide 60% to 95% RH ± 3% RH Humidity. Supply complete with S.S. 14 adjustable perforated trays. Complete with cord & plug to work on 220/230 volts A.C. Supply.

Product Code	Inside Chamber Size (W x H x D)	S.S (304 Grade)
RSE-406A1	555 m.m. x 910 m.m. x 605 m.m. (22" x 36" x 24")	

### RSE-407 : SEED GERMINATOR (DUAL CHAMBER)

Details same as RSE-406. But with dual chamber having following parameters: Fitted with heating & cooling system in both the chambers, so as to control Temperature from 5°C to 50°C ± 1°C in both chambers (supplied with 14 trays) (Cooling in both chambers)

Product Code	Inside Chamber Size (W x H x D)	S.S (304 Grade)
RSE-407A1	555 m.m. x 910 m.m. x 605 m.m. (22"x36"24")	

#### Optional Accessories

RSE-4070A1 Automatic Voltage Stabilizer 3.0 KVA (TRIPLE RELAY) (for each chamber)



RSE-401(B)



RSE-404



RSE-405



RSE-406



RSE-407





### RSE-408 : HUMIDITY & TEMP. CONTROL CABINET(HEATING)

Suitable for carrying out different quality control tests under controlled conditions of temperature & humidity. Inner chamber consists of S.S. & outer wall of M.S. sheet duly powder coated. The gap of 75 m.m. between the outer & inner wall is fitted with special grade glass wool/puf insulation to prevent thermal losses. A self cooler air circulation fan is fitted to maintain uniform temperature & humidity conditions throughout the chamber temp. range from 5°C above ambient to 60°C is controlled by **MICRO PROCESSOR DIGITAL TEMP./HUMIDITY CONTROLLER** with the accuracy of ± 2°C Temp. Humidity, is controlled through the desire set humidity range from atmospheric humidity to 95% ± 3%.

<b>Product Code</b>	<b>Inside Chamber Size</b>	<b>S.S. (304 Grade)</b>
<b>RSE-408A1</b>	455x455x455mm(D) (18"x18"x18")	
<b>RSE-408A2</b>	605x605x605mm(D) (24"x24"x24")	
<b>RSE-408A3</b>	605x910x605mm(D) (24"x36"x24")	



**RSE-408**

### RSE-409 : HUMIDITY & TEMP. CONTROL CABINET (REFRIGERATED)/STABILITY CHAMBER

Suitable for carrying out different quality control tests under controlled conditions of temperature & humidity. Inner chamber consists of S.S. & outer wall of M.S. sheet duly powder coated. The gap of 75 m.m. between the outer & inner wall is fitted with special grade glass wool/puf insulation to prevent thermal losses. A self cooler air circulation fan is fitted to maintain uniform temperature & humidity conditions throughout the chamber temp. range from 5°C to 60°C is controlled by **MICRO PROCESSOR DIGITAL TEMP./HUMIDITY CONTROLLER** with the accuracy of ±0.5°C. Temp. Humidity is controlled through the desire set humidity range from 30% RH to 95% RH ± 3% RH.

<b>Product Code</b>	<b>Inside Chamber Size</b>	<b>S.S. (304 Grade)</b>
<b>RSE-409A1</b>	455m.m. (w) x 710m.m. (H) x 455m.m.(D) (18"x28"x18")	
<b>RSE-409A2</b>	605m.m. (w) x 605m.m. (H) x 605m.m.(D) (24"x24"x24")	
<b>RSE-409A3</b>	605m.m. (w) x 910m.m. (H) x 605m.m.(D) (24"x36"x24")	



**RSE-409**

### Product Code Optional Accessories

- RSE-4090A1** Automatic voltage stabilizer 3KVA (Triple relay)
- RSE-4090A2** Data Logger with Computer attachment

### RSE-410 : PLANT GROWTH CHAMBER

It has outer wall made of M.S.sheet duly powder coated & inner wall made up of heavy gauge Stainless Steel Sheet. The gap between inner & outer wall is fitted with high grade glass wool/Puf to avoid thermal loss. Besides outer double walled door, a full view inner glass door allows inspection of test samples without disturbing the inner chamber conditions. Unit is supplied with three adjustable perforated shelves. Temp. range from 5°C to 50°C ± 1°C is controlled by Dual Setting MICRO PROCESSOR DIGITAL TEMP. INDICATOR-CUM-CONTROL-LER so as to set two different temperatures for Day & Night. Exterior illumination with fluorescent tubes fitted on both sides of the chamber accounts for artificial day light, & the cyclic illumination conditions are regulated by automatic 0-24 hrs., timer when all the tubes are on temp. from 15°C to 50°C ± 1°C can be from ambient to 50°C & the same is achieved by means of injecting steam. Arrangements for increasing the humidity is provided & not for decreasing.

Product Code	W x H x D	Capacity	S. Steel
<b>RSE-410A1</b>	505 x 830 x 415 m.m.	6 cuft	
<b>RSE-410A2</b>	570 x 875 x 550 m.m.	10 cuft	
<b>RSE-410A3</b>	650 x 900 x 550 m.m.	12 cuft	



**RSE-410**

### RSE-411 : DE-HUMIDIFIER

"RISING SUN" Dehumidifiers are water condensing type base on "Refrigeration Cyle" to avoid use of expensive chemicals required for dessicant type models. The unit is self standing & is mounted on a study angle iron frame fitted with caster wheels. Dehumidifier excess moisture from the atmosphere & it fitted with hermetically sealed compressor, Heat exchanger & water condensing coils are made of S.S. collection tank is provided below the unit to collect condensate water.

Humidity is controlled by automatic Microprocessor Digital Humidity ControllerHumidistat incorporated in the unit upto 30% ± 3% RH, depending upon the ambient conditions. To achieve very low humidity, the room should have a independent window type Air Conditioner to match with the dehumidifier heat load in the room. Suitable to work on 220/230volts A.C.Supply.

<b>Product Code</b>	<b>Capacity</b>
<b>RSE-411A1</b>	1.5 Tonne

### Optional Accessories

- RSE-4110A1** Automatic Voltage Stabilizer 4.0 KVA. (Triple Relay).



**RSE-411**

### RSE-411(A) : DE-HUMIDIFIER (IMPORTED)

Portable type with Automatic Digital Humidity Controller suitable for 12x12 feet room.

<b>Product Code</b>
<b>RSE-411A2</b>



**RSE-411(A)**

### RSE-412 : DEEP FREEZER

Double walled with inner chamber made of S.S./Plastic & outer of thick PCRC duly enamel painted. Temp. range from ambient to  $-20^{\circ}\text{C}$  is achieved by hermetically sealed compressor. The gap between the inner & outer wall is filled with high grade PUF insulation to avoid thermal loss. Body is mounted on a sturdy angle iron frame & is mounted on castor wheels. Unit is fitted with Micro Processor Digital Temperature Indicator-cum-controller. Horizontal Chest type models are supplied in a single compartment whereas vertical models are supplied with three storing shelves.

Product Code	CAPACITY	CHEST TYPE
RSE-412A1	4 Cuft.	CHEST TYPE
RSE-412A2	6 Cuft.	
RSE-412A3	10 Cuft.	
RSE-412A4	12 Cuft.	
		VERTICAL
RSE-412A5	4 Cuft.	VERTICAL
RSE-412A6	6 Cuft.	
RSE-412A7	10 Cuft.	
RSE-412A8	12 Cuft.	



RSE-412

Product Code	Optional Accessories
RSE-4120A1	Automatic voltage stabilizer 3KVA (Triple relay)

### RSE-412 (A) : LYOPHILIZER (FREEZE DRYER)

Lypholizer Covers a range of application from multiuser centralized laboratory application, piolet plant determination works etc. This unit is mounted on castors. The unit has hermetically sealed compressor maintains temperature upto  $-30^{\circ}\text{C}$  fitted with MICRO PROCESSOR DIGITAL TEMP. INDICATOR-CUM-CONTROLLER. Trap is given at non magnetic stainless steel dished bottom for complete effluent removal. Refrigerant Coils made of Copper are heavily insulated for maximum efficiency in the condensing chamber.

Product Code	Liter
RSE-412A9	3 Litre( Condensate Cap. 6 Tests)
RSE-412A10	5 Litre ( Condensate Cap. 12 Tests)



RSE-412(A)

### RSE-413 : AIR LAMINAR FLOW CABINET (HORIZONTAL)

Designed so as to meet the requirements of US Federal Standard 209B (BS5295) providing particle free air to meet class 100 (class conditions). The cabinets are fabricated out of thick board duly sunmica clad interior surface are epoxy painted for its longer life. The work table is made of thick board which is S.S. clad at top. Side panels are made out of thick transparent plexi glass duly framed. The unit is fitted with pre filter& HEPA filter. Air is drawn through pre filter & is made to pass through highly effective HEPA (High Efficiency Particular Air) filters having efficiency rating as high as 99.99% with cold DOP & 99.97% with hot DOP, thus retaining all air-borne particles of size 0.3 micron & larger. Using a dynamic machine the blower & motor assembly is statically & dynamically balanced ISI marked Motor of 1/5 H.P. capacity operates with minimum noise level. The working area is illuminated by flourescent lighting fitted to the unit. Height of the working table provides comfortable 'sit down' working position for the operator. To work on 220/230 volts A.C.Supply. Supplied complete with S.S. table top, HEPA filters pre-filter & flourescent illuminations & U.V.Light.

#### Wooden Model

Product Code	RSE-413A1	RSE-413A2	RSE-413A3	RSE-413A4
Working Size	2' x 2' x 2'	3' x 2' x 2'	4' x 2' x 2'	6' x 2' x 2'
Size of HEPA Filter	2' x 2' x 6"	3' x 2' x 6"	4' x 2' x 6"	3' x 2' x 6"
No. of HEPA Filter	1	1	1	2
Illumination	1 x 20 W	1 x 20 W	2 X 40 W	2 x 40 W

#### Wooden Deluxe Model

Product Code	RSE-413A5	RSE-413A6	RSE-413A7	RSE-413A8
Working Size	2' x 2' x 2'	3' x 2' x 2'	4' x 2' x 2'	6' x 2' x 2'
Size of HEPA Filter	2' x 2' x 6"	3' x 2' x 6"	4' x 2' x 6"	3' x 2' x 6"
No. of HEPA Filter	1	1	1	2
Illumination	1 x 20 W	1 x 20 W	2 X 40 W	2 x 40 W



RSE-413 (Wooden)



**Complete in Strong M. S. Body /:Powder Coated**

<b>Product Code</b>	<b>RSE-413A9</b>	<b>RSE-413A10</b>	<b>RSE-413A11</b>	<b>RSE-413A12</b>
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**Complete in S. Steel. Body**

<b>Product Code</b>	<b>RSE-413A13</b>	<b>RSE-413A14</b>	<b>RSE-413A15</b>	<b>RSE-413A16</b>
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**RSE-413(A) : AIR LAMINAR FLOW CABINET (VERTICAL)**

Detail same as **RSE-413** but with laminar air flowing Vertically from top towards the work table.

<b>Product Code</b>	<b>RSE-413A17</b>	<b>RSE-413A18</b>	<b>RSE-413A19</b>	<b>RSE-413A20</b>
<b>Working Size</b>	2'x 2'x 2'	3'x 2'x 2'	4'x 2'x 2'	6'x 2'x 2'
<b>Size of HEPA Filter</b>	2' x 2' x 6"	3' x 2' x 6"	4' x 2' x 6"	3' x 2' x 6"
<b>No. of HEPA Filter</b>	1	1	1	2
<b>Illumination</b>	1 x 20 W	1 x 20 W	2 X 40 W	2 x 40 W

**Wooden**

<b>Product Code</b>	<b>RSE-413A21</b>	<b>RSE-413A22</b>	<b>RSE-413A23</b>	<b>RSE-413A24</b>
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**Complete in Strong M.S Body**

<b>Product Code</b>	<b>RSE-413A25</b>	<b>RSE-413A26</b>	<b>RSE-413A27</b>	<b>RSE-413A28</b>
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**Stainless Steel Body**



**RSE-413**



**RSE-413A)**

**RSE-414 : BIOLOGICAL SAFETY CABINET**

The cabinets are fabricated out of thick board duly sunmica clad. Interior surfaces are epoxy painted for its longer life. The work table is made of Heavy gauge S.S.sheet & is fitted with U.V.Germicidal Light, static pressure manometer,exhaust system (suitable for 6feet duct) & virus burn out unit. Side panels are made out of thick transparent plexi glass duly framed. The unit is fitted with pre-filter & hepa filter. Air is drawn through pre-filter & is made to pass through highly effective hepa filters having the efficiency retaining all air-borne particles of size 0.3 micron & larger. Using a dynamic balancing machine, the blower & motor assembly is statically & dynamically balanced. Motor if 1/4 H.P. capacity operates with minimum noise level. The working area is illuminated by flourescent lighting fitted to the unit. The height of the working table provides a comfortable "sit down" working position for the operator. In addition to the above futures of a standade vertical laminar flow bench, the "RISING SUN" bio-safe cabinets have arrangements for re-circulating a part of the air thus creating highest level of clean air. The unit is also convertible to the conventional vertical laminar flow bench with downward air flow by lifting the sliding front door upwards. Air is sucked through the pre-filter & the excess air is thrown out from the top through a hepa filter of size 1'x1'x6'. Supplied with glove ports & gauntlets,hepa filter,pre-filter,U.V.Light, & flourescent light.

**Wooden Model**

<b>Product Code</b>	<b>RSE-414A1</b>	<b>RSE-414A2</b>	<b>RSE-414A3</b>
<b>Working Size</b>	3' x 2' x 2'	4' x 2' x 2'	6' x 2' x 2'
<b>Size of HEPA Filter</b>	1.5' x 2' x 6"	3' x 1.5' x 6"	1.5' x 2' x 6"
<b>No. of HEPA Filter</b>	1	1	1
<b>Illumination</b>	1 x 20 W	1 x 20 W	1 x 30 W

**Wooden Rates**

<b>Product Code</b>	<b>RSE-414A4</b>	<b>RSE-414A5</b>	<b>RSE-414A6</b>
<b>M.Steel Rates</b>			

<b>Product Code</b>	<b>RSE-414A7</b>	<b>RSE-414A8</b>	<b>RSE-414A9</b>
<b>S.Steel Rates</b>			



**RSE-414**

**Product Code Optional Accessories**

- RSE-4140A1** Exhaust Ducting (per runing feet)
- RSE-4140A2** Gas Burner
- RSE-4140A3** Virus burn out unit



### RSE-415 : FUME HOOD WOODEN

Fabricated out of thick wooden board these are designed so as to throw out at toxic/harmful vapours, thus protecting costly instruments & the person working in the lab. Outer is finished with sunmica & inner epoxy painted. Working table top is fitted with acid/alkali resistant tiles/S.S & a small wash basin with connections provided for inlet & outlet of water. The front door moves vertically up & down with concealed counter balanced weight. The unit is fitted with fluorescent light & a gas cock of gas/air supply. The space under the work station can be provided with storage compartments for storage purpose. The front facing panel is fitted with 15/5 Amp. socket with switches for exhaust system & fluorescent light. To work on 220/230 volts A.V.Supply.

<b>Product Code</b>	<b>RSE-415A1</b>	<b>RSE-415A2</b>	<b>RSE-415A3</b>
<b>Working Size:</b>	3' x 2' x 2'	4' x 2' x 2'	6' x 2' x 2'

#### Rates

#### Product Code    Optional Accessories

**RSE-415OA1**    PVC Fume Duct (Per Running feet)

**RSE-415OA2**    Inner Chamber FRP/SS (Per Running feet) Lining on Working Walls Extra



**RSE-415**

### RSE-415 (A) : FUME HOOD (MILD STEEL/STAINLESS STEEL)

Fabricated out of thick Mild Steel Sheet these are designed so as to throw out at toxic/harmful vapours, thus protecting costly instruments & the person working in the lab. Outer is finished with powder coated & inner epoxy painted. Working table top is fitted with acid/alkali resistant tiles/S.S & a small wash basin with connections provided for inlet & outlet of water. The front door moves vertically up & down with concealed counter balanced weight. The unit is fitted with fluorescent light & a gas cock of gas/air supply. The space under the work station can be provided with storage compartments for storage purpose. The front facing panel is fitted with 15/5 Amp. socket with switches for exhaust system & fluorescent light. To work on 220/230 volts A.V.Supply.

<b>Product Code</b>	<b>RSE-415A4</b>	<b>RSE-415A5</b>	<b>RSE-415A6</b>
<b>Working Size</b>	3' x 2' x 2'	4' x 2' x 2'	6' x 2' x 2'

#### M.Steel Rates

<b>Product Code</b>	<b>RSE-415A7</b>	<b>RSE-415A8</b>	<b>RSE-415A9</b>
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#### S.Steel Rates

#### Product Code    Optional Accessories

**RSE-415OA3**    PVC Fume Duct (Per Running feet)

**RSE-415OA4**    Inner Chamber FRP/SS (Per Running feet) Lining on Working Walls Extra



**RSE-415(A)**

### RSE-416 : AIR CURTAIN

An air curtain is a modern device which when installed on a door, forms an invisible curtain of continuous air & thus prevents escape of conditioned air & entry of outside hot, humid, dirty & unwanted polluted air. The cabinets of air curtain are made of cold rolled mild steels. The blowers are made of high quality aluminum sheets duly balanced both statically as well as dynamically on computerised digital balancing machines designed to provide uniform air with minimum noise & no vibration. All units are thoroughly tested at works & meet the highest standards. The motors used are of continuous rating with sealed ball-bearings. High Velocity Models (Approx. 10 meters/second).

<b>Product Code</b>	<b>Size Door Width</b>
<b>RSE-416A1</b>	900 m.m. (3 feet)
<b>RSE-416A2</b>	1200 m.m. (4 feet)
<b>RSE-416A3</b>	1500 m.m. (5 feet)



**RSE-416**

### RSE-417 : TISSUE CULTURE RACK

#### Product Code

**RSE-417A1**    Fabricated out of thick MS Square angles with S.Steel Castor Wheels.

#### Available in following capacities :

Four Shelves, Five Shelves, Six Shelves.

- Made out of tubular pipe duly powder coated for longer life.
- Each rack of size 48" x 21" (depth) is covered with thick unbreakable hylem sheet/glass.
- Distance between each rack is 15".
- Each Rack is fitted with 4 fluorescent tubes.
- Electronic chokes are fitted to unit in order to avoid heat dissipation inside the room.
- To work on 220 / 230 volts AC supply.
- Fitted with Individual ON/OFF switch for each tube.
- Fitted with 0-24 hrs. programmable timer.



**RSE-417**

### RSE-418 : INNOCULATION CHAMBER

Made of sunmica clad thick wooden board & plywood at back. Thick non-rating plexi glass windows provided on two sides & front folding glass door. Inside sunmica clad, lower portion is provided with Glove ports & gauntlets on front window. Provided with one fluorescent tube & one ultra violet tube.

**RSE-418A1** Outside Size : 27" x 20" x 16"

**RSE-418A2** Outside Size : 40" x 24" x 22"



RSE-418

### RSE-419 : ROTARY VACUUM EVAPORATOR (BUCHI TYPE) (VARIABLE SPEED)

The apparatus consists of an evaporating flask rotated by sparking induction motor in a heating water bath. Vacuum distillation of solvent at high & low temp. is achieved quickly & efficiently by use of a Variable Speed Motor, which prevents foaming & bumping of the liquid (solvent) into the evaporating flask & also distillation under controlled atmosphere. The evaporating flask is pear shaped to give a large surface area of evaporation & is clamped to a glass duct which goes through the drive unit & protrudes about 120 m.m. into the condenser. The condenser is fitted with standard joint at the top & the bottom for receiver flask. The unit is fitted with a quick action jack

#### Product Code

**RSE-419A1**

**Optional Accessories** 1 Litre Cap.

**RSE-419OA1** Thermostatic Water Bath (S.S.)

**RSE-419OA2** -do- digital model

**RSE-419OA3** Vacuum Pump

**RSE-419OA4** Micro Attachment Set

**RSE-419OA5** Condenser Double Coil

**RSE-419OA6** Rotating Flask

**RSE-419OA7** Collection Flask

**Rotary Vacuum Evaporator with Digital RPM Meter & Digital Temp. Controller**



RSE-419

### RSE-420 : DISTILLATION APPARATUS ALL GLASS (ELECTRICALLY HEATED)

The assembly consists of a glass flask with embedded heating elements fused in spiral with type glass coil internally at bottom. A double wall coiled condenser has standard ground glass joints. Complete with glass fitting, mettalic stand, rings clamps & electrical fittings. The unit supplied is as per NPL patent design. To work on 220/230 volts A.C. Supply.

Product Code	FLASK CAPACITY	STATE	Price
<b>RSE-420A1</b>	3 litre	<b>SINGLE</b>	
<b>RSE-420A2</b>	5 litre	<b>SINGLE</b>	
<b>RSE-420A3</b>	10 litre	<b>SINGLE</b>	
<b>RSE-420A4</b>	3 litre	<b>DOUBLE</b>	
<b>RSE-420A5</b>	5 litre	<b>DOUBLE</b>	
<b>RSE-420A6</b>	10 litre	<b>DOUBLE</b>	
<b>RSE-420A7</b>	3 litre	<b>TRIPLE</b>	
<b>RSE-420A8</b>	5 litre	<b>TRIPLE</b>	
<b>RSE-420A9</b>	10 litre	<b>TRIPLE</b>	

#### Product Code      Optional Accessories

**RSE-420OA1** Automatic Low Water level cut off device in case water supply is stopped.



RSE-420

### RSE-421 : ALL GLASS DISTILLATION UNIT, WITH QUARTZ HEATER TUBE, VERTICAL TYPE

These units consist of main boiler. A built in heater enclosed in Quartz glass tube. Housing auto water level adjuster, bottom outlet for cleaning waste discharge which is fitted with Teflon screw cap valve. A coil condensor fitted on top for condensing vapours. The whole unit is mounted on epoxy coated metal box stand & covered with acrylic sheet cover for protection. Power supply unit is in built no extra attachment is required. Housing sturdy & reliable power system require 1 K.W. Power per heater. These distillation units are more compact, require less space, reliable, easy to operate on continue basis.

Product Code	Stage	Capacity	Price
<b>RSE-421A1</b>	Single	1.5 lit/hr	
<b>RSE-421A2</b>	Single	3 lit/hr	
<b>RSE-421A3</b>	Double	1.5 lit/hr	
<b>RSE-421A4</b>	Double	3 lit/hr	



RSE-421



### RSE-421 RSE-(A) : ALL GLASS DISTILLATION UNIT WITH QUARTZ HEATER TUBE, HORIZONTAL TYPE

These units consist of main boiler. A built in heater enclosed in Quartz glass tube. Housing auto water level adjuster, bottom outlet for cleaning waste discharge which is fitted with Teflon screw cap valve. A coil condensor fitted on top for condensing vapours. The whole unit is mounted on epoxy coated metal box stand. Power supply unit is in built no extra attachment is required. Housing sturdy & reliable power system require 1 K.W. Power per heater. These distillation units are more compact, require less space, reliable, easy to operate on continue basis.



Product Code	Stage	Capacity	Price
RSE-421A5	Single	1.5 lit/hr	
RSE-421A6	Single	3 lit/hr	
RSE-421A7	Double	1.5 lit/hr	
RSE-421A8	Double	3 lit/hr	

### RSE-422 : WATER STILL (WALL MOUNTING/ DISTILLATION SET)

The unit is recommended for making pyrogen free distilled water of a very high degree of purity. Made out of S.S., special kettle element is fitted to the unit is of brass C.P. A wall mounting clamp is provided with the unit. Supplied with cord & plug to work on 220/230 volts



Product Code	CAPACITY	LOAD	With Removable Condenser
RSE-442A1	2 litre/hr. (approx)	2.0 KW	
RSE-442A2	4 litre/hr. (approx)	3.0 KW	
RSE-442A3	6 litre/hr. (approx)	4.5 KW	

### RSE-423 : RO- WALL MOUNTING

8 to 10 litres per hour output. It consists of pre filter, sediment filter, activated carbon filter, R.O. membraned imported, booster pump imported, post carbon filter, auto intel control, auto storage tank control.



### RSE-424 : WATER STILL(TABLE PATERN-BARNSTEAD TYPE) (MADE OF S. STEEL)

Double walled construction with inner & outer chamber made of S.S. the gap in between being fitted with glass wool. The condensor & top are also made of S.S., the raw water is first made of pass around the tubes in the condensor. Where it gets heated nearly to the boiling point thus economising the heating energy. The heated water passes to the evaporator through a water level maintaining pipe. Excess water is let out through the drain. To work on 220/230 volts A.C. Supply.



Product Code	CAPACITY	LOAD	RATES
RSE-424A1	2 litre/hr. (approx)	2.0 KW	
RSE-424A2	4 litre/hr. (approx)	3.0 KW	
RSE-424A3	6 litre/hr. (approx)	4.0 KW	

### RSE-425 : DEONIZER (DOUBLE BED)

It consists of an in-built pre filter & very high exchanging capacity non-corrosive CATION & ANION resin columns prefilled with imported RESINS for efficient results having treated water parameters conforming to IS-1069/64. It yields chemically pure water equal to multiple distilled water having conductivity of less than 10 microsiemens/cm & pH of 7.0 to 9 pH. Fitted with a sturdy PVC multi control valve & can be connected direct to water taps. The conductivity meter operates on both AC supply & 9.0 V DC battery. Supplied with one plastic chemical proof regeneration tank & the complete unit in housed in a painted M.S. Trolley for easy mobility. Available with Digital Conductivity Meter.



Product Code	RSE-425A1	RSE-425A2	RSE-425A3
Output/hour	100 Ltr.	150 Ltr.	200 Ltr.

**DIGITAL MODEL.**

### RSE-426 : VACUUM OVEN

These are double walled units with outer made of M.S. Sheet duly powder Coating & inner made of heavy gauge S.S. Sheet. Gap between the two walls is duly filled with high grade glass wool to avoid thermal loss. Temp. range from ambient to 150°C is controlled by Microprocessor Digital Temp. Controller with an accuracy of ± 2°C.





# RISING SUN ENTERPRISES

## Complete Laboratory Solutions

It is capable of with standing a high vacuum. Provided with vacuum gauge, see through transparent window of toughened glass & one shelf. To work on 220/230 volts A.C. Supply. (Without Vacuum Pump)

Product Code	INSIDE SIZE (DIAxDEPTH)	Rate
RSE-426A1	Round : 300 x 300 m.m. (12"x12")	

### Optional Accessories

RSE-426OA1	Vacuum Pump.
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### RSE-427 : OVEN UNIVERSAL (MEMMERT TYPE)

These are sturdy double walled units with outer chamber made of M.S. Sheet duly powder coated with inner made up of anodised aluminium or S.S. Sheet. The gap between inner & outer chamber is filled with high grade glass wool to avoid thermal losses. Beaded heating elements are placed in ribs, at bottom & sides. Inner chamber is provided with ribs for adjusting perforated S. Steel shelves to convenient temp. Temp. is controlled by hydraulic type capillary thermostate or microprocessor digital temperature control from ambient to 250°C ± 2°C. An L shaped prismatic thermometer is fitted to the unit for reading the chamber temp. Air ventilators are also provided on the sides of the unit. To work on 220/230 volts A.C.

Product Code	INNER CHAMBER SIZE (W x D x H)	APPROX. Liters	ALUMINIUM CHAMBER	STAINLESS STEEL CHAMBER
RSE-427A1	300 x 300 x 300 m.m.	28		
RSE-427A2	355 x 355 x 355 m.m.	43		
RSE-427A3	455 x 455 x 455 m.m.	90		
RSE-427A4	455 x 455 x 605 m.m.	105		
RSE-427A5	605 x 605 x 605 m.m.	215		
RSE-427A6	605 x 455 x 910 m.m.	240		
RSE-427A7	605 x 605 x 910 m.m.	325		

### Optional Accessories

RSE-427OA1	Air Circulation fan, [Essential for (RSE-427A5) (RSE-427A6) and (RSE-427A7)]
RSE-427OA2	Microprocessor Digital Temperature Indicator-cum-Controller
RSE-427OA3	PI Digital Temperature Indicator-cum-Controller With Digital Timer
RSE-427OA4	Digital Timer



RSE-427

### RSE-428 : BACTERIOLOGICAL INCUBATOR (MEMMERT TYPE)

These are sturdy double walled units with outer chamber made of M.S. Sheet duly powder coated/painted with inner made up of anodised aluminium or S.S. Sheet. The gap between inner & outer chamber is filled with high grade glass wool to avoid thermal losses. Beaded heating elements are placed in ribs, at bottom & sides. Inner chamber is provided with ribs for adjusting perforated shelves to convenient height. The door is fitted with glass viewing window to facilitate inspection of sample without disturbing the test Temp. is controlled by hydraulic type capillary thermostat or Microprocessor digital temperature Controller from ambient to 90°C ± 1°C. An L shaped prismatic thermometer is fitted to unit for reading the chamber temp. Air ventilators are also provided on the sides of unit. To work on 220/230 volts A.C. Supply.

Product Code	INNER CHAMBER SIZE (W x D x H)	APPROX. Liters	ALUMINIUM	STAINLESS STEEL
RSE-428A1	300 x 300 x 300 m.m.	28		
RSE-428A2	355 x 355 x 355 m.m.	43		
RSE-428A3	455 x 455 x 455 m.m.	90		
RSE-428A4	455 x 455 x 605 m.m.	105		
RSE-428A5	605 x 605 x 605 m.m.	215		
RSE-428A6	605 x 455 x 910 m.m.	240		
RSE-428A7	605 x 605 x 910 m.m.	325		



RSE-428



**Optional Accessories**

- RSE-4280A1** Air Circulation fan, [Essential for (RSE-428A5) (RSE-428A6) and (RSE-428A7)].
- RSE-4280A2** Microprocessor Digital Temperature Indicator-cum-Controller.
- RSE-4280A3** PI Digital Temperature Indicator-cum-Controller.
- RSE-4280A4** Digital Timer.

**RSE-429 : EGG INCUBATOR**

Outer wall is made up of M.S. Sheet duly Powder Coated & inside of S.S. The gap between inner & outer wall is filled with high grade mineral glass wool. Temp. range from ambient to 70°C is controlled by Microprocessor Digital Temp. Controller with an accuracy of ± 1°C. The unit is provided with manual tilting device, so as to tilt the tray holding the eggs. To work on 220/230 volts A.C. Supply.

Product Code	CAPACITY	WITH DIGITAL HUMIDITY CONTROL
<b>RSE-429A1</b>	50 eggs	
<b>RSE-429A2</b>	100 eggs	
<b>RSE-429A3</b>	200 eggs	
<b>RSE-429A4</b>	250 eggs	



**RSE-429**

**RSE-430 : MUFFLE FURNACE RECTANGULAR**

Light weight with ceramic fibre wool insulation (instead of brick insulation). The outer casing is made of double walled thick P.C.R.C. Sheet duly powder coated. Heating elements are made of KANTHAL 'A-1' wire & backed by high temp. insulation which avoids loss of energy. Temp. control unit consists Microprocessor Digital Temp. Controller fitted in front of furnace with two pilot lamps. The apparatus is complete with thermocouple, silver thermal fuse, main lead with power plug. To work on 220/230 volts or 400/440 volts A.C. Maximum temp. is 1000°C & working temp. 950°C. For model of higher temp. the maximum temp. is 1200°C, 1450°C & working temp. 1150°C & 1400°C.

Product Code	MUFFLE SIZE (W x H x D)	WORKING 950°C	WORKING 1150°C	WORKING 1450°C (With Transformer Devices)
<b>RSE-430A1</b>	100 x 100 x 225 m.m.			
<b>RSE-430A2</b>	125 x 125 x 250 m.m.			
<b>RSE-430A3</b>	150 x 150 x 300 m.m.			
<b>RSE-430A4</b>	200 x 200 x 300 m.m.			
<b>RSE-430A5</b>	300 x 300 x 300 m.m.			



**RSE-430**

**Optional Accessories**

- RSE-430A1** PID Temperature Controller.

**RSE-431 : CIRCULATING WATER BATH**

A highly in demand instrument where water is required to be circulated to some external source through a F.H.P. pump. Most useful for circulating water to Abbe Refractometer, condenser coils etc. Temp. from ambient to 90°C is controlled through hydraulic type thermostat with an accuracy of ± 2°C. Inner chamber made of S.S. & outer chamber made of M.S. Sheet duly powder coated. To work on 220/230 volts A.C. Supply.

Product Code	Optional Accessories
<b>RSE-4310A1</b>	Microprocessor PID Digital Temperature Controller.



**RSE-431**

**RSE-432 : WATER BATH RECTANGULAR (SINGLE WALL)**

Made out of heavy gauge S.S. with concentric rings. To work on 220/230 A.C. Supply.

<b>RSE-432A1</b>	300 x 250 x 100 m.m. (6 Holes of 75 m.m. dia)
<b>RSE-432A2</b>	355 x 405 x 75 m.m. (12 Holes of 75 m.m. dia)



**RSE-432**





### RSE-433 : WATER BATH RECTANGULAR THERMOSTATIC (DOUBLE WALLED)

It is a double walled bath with inner chamber made of S.S. & outer wall made of M.S. Sheet duly powder coated/painted. The gap between outer & inner walls is fitted with special grade glass wool insulation. The concentric rings can be removed to accommodate containers of various sizes. Temp. from ambient to 90°C ± 2°C is to be controlled by thermostat.

Product Code	WIDTH x HEIGHT x DEPTH	M. S. OUTER	S. S. OUTER
RSE-433A1	300 x 250 x 100 m.m. (6 Holes of 75 m.m. Dia)		
RSE-433A2	355 x 405 x 100 m.m. (12 Holes of 75 m.m. Dia)		
Product Code	Optional Accessories		
RSE-4330A1	Digital Microprocessor Temperature Controller		
RSE-4330A2	PID Temperature Controller		



**RSE-433**

### RSE-434 : SEROLOGICAL WATER BATH

These units are double walled with inner chamber made up of S.S. Sheet & outside of M.S. duly powder coated. The gap between the walls is fitted with special grade glass wool in order to avoid thermal losses. A drain plug is also fitted to the unit. The inner chamber fitted with immersion type heating element is covered with perforated removable diffuser tray. The cover is provided with the unit as a standard accessory. Temp. from ambient to 90°C is controlled by hydraulic capillary type thermostat with an accuracy of ± 2°C. Supplied complete with 220/230 volts A.C. Supply.

Product Code	WIDTH x HEIGHT x DEPTH	M. S. OUTER	S. S. OUTER
RSE-434A1	300 x 250 x 15 m.m. (for 2 racks)		
RSE-434A2	330 x 300 x 175 m.m. (for 4 racks)		
RSE-434A3	455 x 300 x 175 m.m. (for 6 racks)		
RSE-434A4	605 x 300 x 175 m.m. (for 8 racks)		
Optional Accessories			
RSE-4340A1	Stirring arrangement with 1/20 H.P. motor and speed regulator.		
RSE-4340A2	Microprocessor Digital Temperature Indicator-cum-Controller.		
RSE-4340A3	PID Temperature Controller		



**RSE-434**

### RSE-434 (A) : REFRIGERATED WATER BATH

Our refrigerated water baths are double walled convection heated units. Outer body of our serological water baths is constructed out of thick PCRC /GI steel sheet, duly pre-treated with primers for rust proofing and powder coating. The inside chamber of the unit is made of heavy gauge stainless steel sheet of grade ss-304. Heating system is provided in our water bath. The temperature is evenly distributed throughout the chamber through natural water convection mechanism, ensuring a very good temperature sensitivity. The cooling coils are brazed to the outer side of S.S. chamber thus ensuring perfect and uniform cooling. Insulation is done with thick glass wool/PUF to prevent any heat loss. For attaining the temp. below ambient, the refrigeration is done through CFC FREE hermetically sealed compressor and for attaining the temp. above ambient, heating is done with immersion type heating element. Fitted with stirrer for temperature uniformity throughout the chamber. Temperature range is from 5°C to 90°C is controlled Digital temp. indicator cum controller with an accuracy of ±0.5°C. To work on 220/230 volts AC supply. The unit is also fitted with a FHP PUMP for circulating the cooled liquid to an external source such as condenser coils, etc.

**Note:** The above mentioned sizes are of our standard high precision water bath. However we are fully capable to cater to the demand of any customized size for any special application.

Product Code	SIZE	RATE
RSE-434A5	12"X12"X12"	



**RSE-434(A)**

### RSE-435 : HIGH PRECISION WATER BATH (WITH STIRRING ARRANGEMENT)

Double walled chamber has inner made up of thick S.S. & outer wall is of thick PCRC Sheet duly powder coated. A glass window is provided on the front size for an easy inside view. A high speed stirrer with a motor of 1/20 H.P. is fitted to the unit for continuous stirring & thus maintaining a uniform temp. throughout. A speed regulator & digital indicator controller is provided on the front panel to control speed of the stirrer & temp. of bath. The heating mechanism comprises of set of heaters pertaining to faster & slower heating controls the temp. with a sensitivity of +0.1°C from ambient to 100°C. To work on 220/230 volts A.C. Supply.

Product Code	SIZE	Ltr	RATE
RSE-435A1	Chamber size : 430x240x265mm	(Approx. 27 ltr. Cap.)	



**RSE-435**

### RSE-436 : WATER BATH INCUBATOR SHAKER (METABOLIC SHAKING INCUBATOR)

It is a double walled unit with inside made of thick S.S. Sheet & outer made of M.S. Sheet duly powder coated prevents falling of condensed water droplets on the specimens. Heating is achieved through a immersion type heater & the temp. is controlled by hydraulic type thermostat with an accuracy of  $\pm 0.5^{\circ}\text{C}$ . The bath has an oscillating tray riding on ball rollers oscillated through a greater variable speed motor. Shaking speed range between 40 to 140 cycles per minute. The shaking tray can either hold test tubes or erlynmeyer flasks of 25ml or 50ml or 100ml or 250ml or 1000ml as ordered by the users. (Kindly mentioned the capacity of the flasks while ordering). Supplied complete with one shaking tray, paramedical cover, L-shaped thermometer cord & plug, to work on 220/230 volts A.C. Supply. Available with heating arrangement only (having temp. range from ambient to  $100^{\circ}\text{C}$ ) or with both heating & cooling arrangements (having temp. range from  $5^{\circ}\text{C}$  to  $60^{\circ}\text{C}$ ).

Product Code	INSIDE SIZE	TEMP AMBIENT TO $90^{\circ}\text{C}$
RSE-436A1	225 x 275 x 150 m.m.	
RSE-436A2	275 x 275 x 150 m.m.	
RSE-436A3	405 x 300 x 150 m.m.	
		TEMP $5^{\circ}\text{C}$ to $60^{\circ}\text{C}$ (Cooling) (With digital Temp Controller)
RSE-436A4	225 x 275 x 150 m.m.	
RSE-436A5	275 x 275 x 150 m.m.	
RSE-436A6	405 x 300 x 150 m.m.	

#### Optional Accessories

RSE-436OA1	Spare shaking tray or test tube rack for All part
RSE-436OA2	Digital R.P.M. Meter



RSE-436

### RSE-437 OIL BATH HIGH TEMPERATURE

Double walled with inside made of heavy S.S. & outside of M.S. Sheet duly powder coated. The gap between the two walls is fitted with high grade glass wool to minimize thermal loss. Temp. range from ambient to  $250^{\circ}\text{C} \pm 2^{\circ}\text{C}$  is controlled by hydraulic capillary type thermostat. A variable speed stirring arrangement is fitted to the unit for maintaining temp. Plug to work on 220/230 volts A.C. Supply.

Product Code	Size	Capacity
RSE-437A1	250 x 250 x 250 m.m.	12 Ltr.
RSE-437A2	300 x 300 x 250 m.m.	20 Ltr.
RSE-437A3	355 x 355 x 250 m.m.	26 Ltr.

#### Optional Accessories

RSE-437OA1	Digital Temperature Indicator-cum-Controller
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RSE-437

### RSE-438 : TISSUE FLOATATION BATH

This double walled unit is most suited for preparing wrinkle free tissue specimens. Insides is made up of Stainless Steel & outside of M.S. Sheet duly powder coated. Temp. range from ambient to  $90^{\circ}\text{C} + 2^{\circ}\text{C}$  is controlled hydraulic type thermostat. Complete with indicators, cord & plug, to work on 220/230 volts A.C. Supply.

Product Code	Inside Size
RSE-438A1	250 m.m. (dia) x 100 m.m. (depth)



RSE-438

### RSE-439: SYRINGE NEEDLE DESTROYER

To destroy syringe needles from 18 G to 26 G, needle burns electrically & Syringe cuts automatically unit quick in action, portable, noise free with electrical cutter.

Product Code	Rate
RSE-439A1	



RSE-439

### RSE-440 : ROTARY FLASK SHAKER

Designed for continues shaking of solutions in Erlenmeyer Flasks from 50 ml to 1000 ml capacity. It is a compact bench type table top model with platform fitted with rubber discs mounted on ball bearing crank shafts to give an orbital motion to the flasks, within a diameter of approximately 2", and is mounted on a heavy and sturdy angle iron frame with DC Motor Drive with Continuously variable Electronic Speed Regulator To work on 220/230 volts A.C. supply.

Product Code	Platform Size	Holding Capacity	With Motor Capacity	With Rubber Disc.	Product Code	Platform Size	Holding Capacity	With Motor Capacity	With S.S. Clamp
RSE-440A1	45 x 45 cm	49 flasks of	25 ml.		RSE-440A15	45 x 45 cm	49 flasks of	25 ml.	
RSE-440A2	45 x 45 cm	36 flasks of	50 ml.		RSE-440A16	45 x 45 cm	36 flasks of	50 ml.	
RSE-440A3	45 x 45 cm	25 flasks of	100 ml.		RSE-440A17	45 x 45 cm	25 flasks of	100 ml.	
RSE-440A4	45 x 45 cm	16 flasks of	250 ml.		RSE-440A18	45 x 45 cm	16 flasks of	250 ml.	
RSE-440A5	45 x 45 cm	9 flasks of	500 ml.		RSE-440A19	45 x 45 cm	9 flasks of	500 ml.	
RSE-440A6	55 x 55 cm	36 flasks of	100 ml.		RSE-440A20	55 x 55 cm	36 flasks of	100 ml.	
RSE-440A7	55 x 55 cm	25 flasks of	250 ml.		RSE-440A21	55 x 55 cm	25 flasks of	250 ml.	
RSE-440A8	55 x 55 cm	16 flasks of	500 ml.		RSE-440A22	55 x 55 cm	16 flasks of	500 ml.	
RSE-440A9	65 x 65 cm	36 flasks of	250 ml.		RSE-440A23	65 x 65 cm	36 flasks of	250 ml.	
RSE-440A10	65 x 65 cm	25 flasks of	500 ml.		RSE-440A24	65 x 65 cm	25 flasks of	500 ml.	
RSE-440A11	105 x 105 cm	81 flasks of	250 ml.		RSE-440A25	105 x 105 cm	81 flasks of	250 ml.	
RSE-440A12	105 x 105 cm	64 flasks of	500 ml.		RSE-440A26	105 x 105 cm	64 flasks of	500 ml.	
RSE-440A13	105 x 105 cm	49 flasks of	1000 ml.		RSE-440A27	105 x 105 cm	49 flasks of	1000 ml.	
RSE-440A14	180 x 180 cm	(Any configuration required)			RSE-440A28	180 x 180 cm	(Any configuration required)		

#### Optional Accessories

- RSE-4400A1 Microprocessor based digital RPM counter
- RSE-4400A2 Automatic 0-60 minute "GERMAN" TIMER
- RSE-4400A3 D.C. Drive



RSE-440

### RSE-441 : V.D.R.L. ROTATOR

Used for V.D.R.L. Tests, blood grouping tests, various agglutination tests or for mixing of solutions in small bottles, flasks or beakers. It has a platform of size 300 x 300 mm. and can accommodate blood Bottles slides or flasks using a spring holder. Supplied complete with cord and plug to work on 220/230 volts A.C. Variable speed

Product Code	Platform Size Body
RSE-441A1	300 x 300 mm

#### Optional Accessories

- RSE-4410A1 Automatic 0-60 minutes "GERMAN" Timer
- RSE-4410A2 Microprocessor Based Digital RPM Meter



RSE-441

### RSE-442 : KAHN (RECIPROCATING) SHAKING MACHINE

Kahn racks, bottles or flasks of different sizes can be shaken by adjusting the compartments provided on the shaking rack. DC Motor Drive with continuously variable electronic speed regulator, The rate of motion can be adjusted by electronic speed regulator from 140 to 250 r.p.m approximately. To work on 220/230 volts. A.C. supply.

Product Code	PLATFORM SIZE BODY
RSE-442A1	20" x 13" x 4"
RSE-442A2	31" x 17" x 4"
RSE-442A3	36" x 18" x 4"

#### Optional Accessories

- RSE-4420A1 Microprocessor based digital RPM counter
- RSE-4420A2 Automatic 0-60 minutes "GERMAN" Timer



RSE-442



### RSE-443 : WRIST ACTION SHAKING MACHINE

It has a heavy cast iron with rugged construction and two side arms for holding flasks. Fitted with a F.H.P heavy duty motor with variable speed. Can hold flasks from 100 to 1000 ml. Capacity. Supplied with cord and plug to work on 220/230 volts A.C. supply.

**Product Code**

**RSE-443A1** To hold 4 flasks.

**RSE-443A2** To hold 4 flasks and top platform to hold 4 flasks/bottlex.

**RSE-443A3** To hold 8 flasks.

**RSE-443A4** To hold 8 flasks and top platform to hold 4 flasks/bottles.

**Optional Accessories**

**RSE-443OA1** Automatic 0-60 minute "GERMAN" Timer

**RSE-443OA2** Microprocessor based digital RPM Meter



**RSE-443**

### RSE-444: SPECIFIC GRAVITY BALANCE FOR RUBBER

**Product Code**

**RSE-444A1**

### RSE-445: SPECIFIC GRAVITY BALANCE DIGITAL FOR LIQUID & SOILED

**Product Code**

**RSE-445A1** Liquid

**RSE-445A2** Soiled



**RSE-444**

### RSE-446 : VORTEX SHAKER (TEST TUBE SHAKER)

Useful for stirring centrifugal tubes, test tubes or small flasks. Fitted with a Neoprene rubber cup mounted eccentrically on the shaft against which at its is held the tube with its lower end pressing against the cup. Mixing action is controlled by varying the angle and pressure of the tube against The cup. Fitted with speed control arrangement. To work on 220/230 volts A.C. Supply.

**Product Code**

**RSE-446A1** With touch On/Off type.



**RSE-446**

### RSE-447 : FLOCCULATOR (JAR TESTING APPARATUS)

Flocculator has been specially designed for use in water treatment plants to correctly estimate the dosing of alum and such other coagulants for treatment of water and sewage. In provides indential test conditionsfor all samples. Illuminated base consists of fluorescent tube mounted below translucent plastic plate to provide diffused cold light through floc sample. Flocculator consists of geared continuous run heavy duty 1/20 H.P. variable speed motor from 10 to 200 RPM with built in speed control. S.S. stirring rods are provided with adjustable spacer s to adjust the depth of stirring paddles. The stirring shaft can be removed without disturbing other stirrers. This unit is supplied without beakers to work on 220/230 volts A.C.

Product Code	STIRRERS	CAPACITY 1 LTRS.	CAPACITY 2 LTRS.
<b>RSE-447A1</b>	For two Stirrers	18,000.00	
<b>RSE-447A2</b>	For four Stirrers	24,000.00	
<b>RSE-447A3</b>	For six Stirrers	30,000.00	

**Optional Accessories**

**RSE-447OA1** Automatic 0-60 minute "GERMAN" Timer.

**RSE-447OA2** Microprocessor based digital RPM counter



**RSE-447**

### RSE-448 : MORTUARY CHAMBER

Double walled outer M.S. painted, inner S.S. temp. 2°C to 5°C. Digitally controlled with movable S.S.Trays, compressor & door locking system. Our mortuary chambers are conceptualized & designed for long storage of cadaverous under hygienic & cool conditions. Our mortuary chambers are made of Stainless Steel metal components ensuring maximum thermal efficiency & durability. We specialize in both standard & customized models of mortuary chamber specially designed to meet various special requirements of our customers.

**Product Code**

**RSE-448 A1** For 2 Bodies



**RSE-448**

### RSE-449 : MAGNETIC STIRRERS (HEAVY DUTY PERMANENT MAGNET )

It has a compact stirring device utilizing a rotating magnetic field (created by a PERMANENT MAGNET) which induces variable speed stirring action. Stirring is accomplished by means of small teflon rotor, which when placed in the liquid to be stirred is capable of rotation by magnetic field applied from below the container. The unit is fitted with pilot lamp. To work on 220/230 Volts. A.C.



**RSE-449**



# RISING SUN ENTERPRISES

## Complete Laboratory Solutions

Product Code	CAPACITY	WITHOUT HOT PLATE	Product Code	CAPACITY	WITH HOT PLATE
RSE-449A1	2 liter		RSE-449A3	2 liter	
RSE-449A2	5 liter		RSE-449A4	5 liter	

### RSE-450 : LABORATORY STIRRER

The motor stirrer having maximum speed upto 4000 r.p.m. unit is clamped to a C.P. rod fitted on a heavy cast iron base. The height and angle of the stirrer can be adjusted according to the requirement. Variable speed Motor with speed regulator is fitted with S.S. Stirrer rod to give smooth and noiseless operation.

Product Code	CAPACITY	WITHOUT DRILL CHUCK	Product Code	CAPACITY	WITH DRILL CHUCK
RSE-450A1	1/20 H.P. Motor		RSE-450A3	1/20 H.P. Motor	
RSE-450A2	1/6 H.P. Motor		RSE-450A4	1/6 H.P. Motor	

Product Code	Optional Accessories
RSE-450OA1	Automatic 0-60 minutes "GERMAN" Timer



RSE-450

### RSE-451 : EMULSIFIER (HOMOGENIZER)

Fitted with F.H.P. motor having speed regulator and Maximum speed 4000 RPM with perforated S.S. disc. The unit is having arrangement for moving in horizontal and vertical direction (Complete on stand)

Product Code	Optional Accessories
RSE-451A1	With 1/20 H.P. Motor and S.S. Disc and speed regulator



RSE-451

### RSE-452 : FILTER HOLDER

FOR STERILITY TEST : Vacuum filter holder for sterility test to hold membrane (without flask)

Product Code	Optional Accessories
RSE-452A1	Made of Glass to hold membrane filters of dia 47 m.m.
RSE-452A2	Made of S.Steel



RSE-452

### RSE-453 : STERILITY TEST UNIT

Consists of S.S. holders in manifold of 3 or 6 to hold 47 m.m. dia. membrane filters, The tops of the holders are connected to the outlets of the flushing tube with silicone tubing and glass stop cock. A vacuum resistant flask or wouif bottle must be placed between the manifold and vacuum pump. (Supplied without Wolf's Bottle and Vacuum/Pressure Pump). These units are used for sterility testing when the membranes filter is to be removed from the holder for incubation in culture media. Filtration areas is 12.5cm and has a holding capacity of 250ml. Though only vacuum is required for filtration, some pressure is required for flushing liquids.

Product Code	Optional Accessories
RSE-453A1	3 Branch Sterility Test Unit. (Made from S. Steel)
RSE-453A2	6 Branch Sterility Test Unit (Made from S. Steel)
RSE-453OA1	Monoblock Vacuum-cum-Low Pressure Pump
RSE-453OA2	Oil Free Vacuum Pump Diaphragm Type



RSE-453

### RSE-454 : SIEVE SHAKER (TABLE TOP)

Fitted with a FHP motor, it can accommodate six sieves of 8" dia. Speed can be regulated Through a continuously variable speed regulator fitted to the unit. To work on 220/230 volts A.C. (Without Sieves)

Product Code	Optional Accessories
RSE-454A1	For 8" dia sieves
RSE-454A2	For 12" dia sieves
RSE-454OA1	Automatic 0-60 minute "GERMAN" Timer
RSE-454OA2	Automatic 0-60 minute "GERMAN" Timer Digital



RSE-454

### RSE-455 : GYRATORY SIEVE SHAKER

Backed by a diligent team of personnel, we are engaged in offering our customers a varied range of Gyrotory Sieve Shaker. These improved models are tested and built for optimum performance. It has a clockwise directional frequency of about 270 vibrations per minute.



# RISING SUN ENTERPRISES

## Complete Laboratory Solutions

**Product Code** RSE-455A1

**Product Code** Optional Accessories

**RSE-4550A1** Automatic 0-60 minute "GERMAN" Timer

**RSE-4550A2** Adapter for 12" Test Sieves

### RSE-456 : ROTAP SIEVE SHAKER

Designed to carry upto 7 sieves of 8" dia it is driven by 1/4 HP electric motor, thorough reduction gear. The whole gear mechanism which gives circular and to end motion runs in an oil bath. The tapping motion is given by hammer from top. To work on 220/230 volts single phase A.C. supplied complete with adaptor for 8" sieve but without test sieve.

**Product Code** RSE-456A1

**Product Code** Optional Accessories :

**RSE-4560A1** Automatic 0-60 minute "GERMAN" Timer

### RSE-457 : TEST SIEVES (FINE SERIES IN 8" DIA. BRASS FRAM)

Product Code	B.S.S.	A.S.T.M.	I.S.I.	Microns	M.M.	8" Dia	Product Code	B.S.S.	A.S.T.M.	I.S.I.	Microns	M.M.	8" Dia
RSE-457A1	4	5	—	480	4.75		RSE-457A16	52	50	30	300	0.300	
RSE-457A2	5	6	340	1812	3.35		RSE-457A17	60	60	25	250	0.250	
RSE-457A3	6	7	280	2411	2.80		RSE-457A18	72	70	20	212	0.212	
RSE-457A4	7	8	240	2207	2.36		RSE-457A19	85	80	18	180	0.180	
RSE-457A5	8	10	200	2057	2.00		RSE-457A20	100	100	15	150	0.150	
RSE-457A6	10	12	170	1698	1.70		RSE-457A21	120	120	12	125	0.125	
RSE-457A7	12	14	140	1005	1.40		RSE-457A22	150	140	10	106	0.106	
RSE-457A8	14	16	120	1200	1.18		RSE-457A23	170	170	9	90	0.90	
RSE-457A9	16	18	100	1000	1.00		RSE-457A24	200	200	8	75	0.75	
RSE-457A10	18	20	85	850	0.850		RSE-457A25	240	230	7	63	0.63	
RSE-457A11	22	25	70	710	0.710		RSE-457A26	300	270	6	53	0.53	
RSE-457A12	25	30	60	600	0.600		RSE-457A27	325	300	5	45	0.45	
RSE-457A13	30	35	50	500	0.500		RSE-457A28	350	325	4	44	0.044	
RSE-457A14	36	40	40	425	0.425		RSE-457A29	400	380	3	40	0.040	
RSE-457A15	44	45	35	355	0.3555		RSE-457A30	500	400	—	25	0.025	

Receiving Pan and Lid made of Brass 8"

### RSE-458 : TEST SIEVES (COARSE SERIES)

Made of perforated steel plate with square holes. Available in following aperture of

125, 160, 100, 90, 80, 75, 63, 53, 50, 45, 40, 37.5, 31.5, 26.5, 25, 22.4, 19, 16, 13.2,

12.2, 11.2, 10.2, 10, 9, 5, 8, 6.7, 6.3, 5.6, 4.75, 2.8 m.m.

**Product Code**

**RSE-458A1** With brass frame 8" dia

**RSE-458A2** With G.I. frame 12" dia

**RSE-458A3** With G.I. frame 18" dia

### RSE-459 : MEDICO CENTRIFUGE

**Product Code**

**RSE-459A1** With 4 x 15ml Swingout head. (3500 r.p.m.)

**RSE-459A2** With 6 x 15ml Swingout head. (3500 r.p.m.)

**RSE-459A3** With 8 x 15ml Swingout head. (3500 r.p.m.)

**RSE-459A4** With 4 x 50ml Swingout head. (3500 r.p.m.)

**RSE-459A5** With Digital Speed & Digital Timer(5200 r.p.m.)(Heavy Duty Remi Type)

### RSE-460 : BOTTLE WASHING MACHINE

Electrically operated with quick release chuck taking wide variety of interchangeable nylon brushes for cleaning syring, test tubes, bottles etc. Model (a) and (b) are table model mounted on a heavy base and have single chuck.



RSE-455



RSE-456



RSE-458



RSE-459



# RISING SUN ENTERPRISES

## Complete Laboratory Solutions

Machines with soaking tanks have 12 rinsers and two drill chuck to hold variety of brushes, and are mounted on sturdy angle iron frame duly painted.

### Product Code

**RSE-460A1** Table Model with 1/20 H.P. variable speed motor

**RSE-460A2** With G.I. soaking tank of size 30" x 20" x 18"

**RSE-460A3** With S.S. soaking tank of size 30" x 20" x 18"



**RSE-460**

### RSE-461 : LAB WILLEY GRINDER (ARTHUR H. THOMAS TYPE)

The chamber is fitted with a hopper provided with a cover. Three delivery S.S. sieves, of 20, 40, 60 mesh and plastic receiver are supplied. A removable plexi-glass plate permits observation during operation.

Product Code	Chamber Size	Motor Cap.	WITH PERFECT / EQUIVALENT MOTOR	
			M.S. CHAMBER	S.S. CHAMBER
RSE-461A1	40 x 25 mm.	0.25 H.P.		
RSE-461A2	65 x 25 mm.	0.25 H.P.		
RSE-461A3	100 x 50 mm.	0.50 H.P.		

Lab Willey Grinder Heavy Duty with 1.00 H.P. Motor (Automatic) Modified Model.



**RSE-461**

### RSE-462 : BALL MILL (LABORATORY TYPE)

Electrically operated having a capacity from a few gms. to 1kg. or 2 kg or 5 kg. Fitted with a F.H.P. Motor upto 2 kg. jar and with DC heavy duty motor for 5 kg. jar. Maximum speed 80 R.P.M. Supplied with steel balls for mixing and grinding. Operates on 220 volts A.C. mains.

Product Code	CAPACITY	STAINLES STEEL JAR
RSE-462A1	1 kg. Jar	
RSE-462A2	2 kg. Jar	
RSE-462A3	5 kg. Jar	

### Optional Accessories

RSE-4620A1	Automatic 0-60 minute "GERMAN" Timer
RSE-4620A2	Variable speed Regulator.
RSE-4620A3	Digital RPM Meter.



**RSE-462**

### RSE-463 : AGATE MORTAR PESTLE (FISHER TYPE) ELECTRIC

For unattended grinding of non gummy and non fibrous materials. Extensively used for preparing coal samples for calorific tests. The motor revolves and the pestle moves back and fourth in a pattern reaching all parts of the mortar. Its metallic housing with a F.H.L. Motor driven detachable turn table of cast aluminium has adjustable posts to hold mortars of 75 to 135 mm. dia. Thew arm of the pestle drivintg mechanism has inged, heavy head which cn be raised to inspect or remove the sample or additional material to be added as disered. A build-in timer permits selection of grinding operation upto 60 min. The grinding vessel and mortar are all completely covered by a clear acrylic cover. To opeate on 220 V.A.C. (Without Agate)

### Product Code

**RSE-463A1** With 75 mm dia Agate Mortar & Pestle and "GERMAN" Timer

**RSE-463A2** With 100 mm dia Agate Mortar & Pestle and "GERMAN" Timer



**RSE-463**

### RSE-464 : TISSUE HOMOGENIZER ELECTRICALLY OPERATED

S.S. rod is fitted with Teflon pestle and grinding vessel of Borosil glass. Fitted with 1/20 H.P. 4000 RPM AC/DC Motor with a speed regulator. Fitted on a heavy cast iron base. To work on 220/230 Volts A.C.

Product Code	CAPACITY	WITH DRILL CHUCK
RSE-464A1	5 ml. or 10 ml.	
RSE-464A2	30 ml. or 50ml.	
RSE-464A3	100 ml.	

### Optional Accessories

**RSE-4640A1** Automatic 0-60 minu "GERMAN" Timer



**RSE-464**



# RISING SUN ENTERPRISES

## Complete Laboratory Solutions

### RSE-465 : FILM APPLICATOR

Bar type Film Applicator made of SS. Suitable for Application of paints, ink, other viscos material. The removable guides allow accurate and reproducible draw downs for repetitive testing. the bar type needs no adjustment and is supplied ready for use. Standard film width is 89mm.

#### Product Code

**RSE-465A1** Range : 30,60,90,110 microns



RSE-465

### RSE-467 : AEROSOL DISINFECTOR (S.S. BODY)

It instantly converts liquid formalin/disinfecting liquid, into the true aerosol particles, Due to high aerodynamic stability the formalin droplets remain suspended for longer duration and thus ensure 100% sterile germ free and zero bacteria environment. A single unit can sterilize 250 cu. Meters. in just 30-60 minutes, To work on 220/230 V.A.C.

#### Product Code

**RSE-467A1** Capacity 5.0 litres

#### Optional Accessories :

**RSE-467OA1** Automatic "GERMAN" Timer



RSE-467

### RSE-468 : HUMIDIFIER (S.S. BODY) (CAP. 5.0 LITERS)

Based on the rotating disc-splash plate principal, It produce only super fine particles of micron size, which become part of the atmosphere, thereby reaching every corner of the room, resulting in uniform humidity. Due to the upward thrust imparted to the micron sized water droplets, by high speed motorised unit, they remain suspended in the atmosphere for longer duration of time. Time unit is capable of atomizing upto 3 liters of water in an hour at full evaporation in the driest possible ambient conditions. The unit has body made up of S. Steel unit is effective for an enclosed space of volume upto 40 cu. mts.. The unit is provided with high speed 2800 RPM motor to run longer period, and the blades are aerodynamically balanced to ensure droppers fumigation. To work on 220/230 supply. volts. A. C.

#### Product Code

**RSE-468A1** 14,000.00

#### Optional Accessories :

**RSE-468OA1** Control Box With Digital Humidity Controller

**RSE-468OA2** Automatic 0-60 minutes "GERMAN" Timer



RSE-468

### RSE-469 : ANAEROBIC CULTURE JAR (B.T.L. TYPE)

Modified Macintosh and Fildes pattern has all metal construction consisting of a S.S. Jar with a top flangs recessed for a thyroidal rubber sealing ring and a cover held in place by a strong bridge clamp. The cover is fitted with two needle valves for evaluation and a sachet containing a catalyst. A side arm on the jar is rovided for connecting to Semisolid Lucas Indicator. (The unit is supplied without Semi-Solid Lucas Indicator). Supplied complete with pressure-cum-vacuum gauge.

#### Product Code

**RSE-469A1** Size : 12 cm (dia) x 20 cm (ht)



RSE-469

### RSE-470 : PASS BOX (Static Type)

Our pass box are essential for the transfer of work item in and out of the clean room in order to minimize air borne particles brought about by human traffic. Our reliable machanisme prevent both pass through door from opening at the same time there by preventing contamination.

#### Product Code

**RSE-470A1** It have a built in UV germicidal light for extra protection. (18"x18"x18")

**RSE-470A2** It have a built in UV germicidal light for extra protection. (18"x18"x18") Dynamic



RSE-470

### RSE-470(A) : SAMPLING BOOTH

These are overhead clean air modules mounted with Stainless steel frame on the ground. Units can be built with / without casters so the clean enclosure can be moved over equipment or used to isolate a controlled process. It is basically used for filling, refilling weighing and sampling / Dispensing of Raw Material, Basic Compounds, Active Compounds.

#### Product Code

**RSE-470A3** It works on the principal of Laminar Air Flow with HEPA Filters & Pre-Filters.

### RSE-471 : VACUUM PUMP (MONOBLOCK) (BELTLESS) WITH MOISTURE TRAP & VACCUM GAUGE

#### Product Code CAPACITY WITH PERFECT MOTOR

**RSE-471A1** 45 litres, fitted with 1/4 H.P. Motor

**RSE-471A2** 75 litres, fitted with 1/2 H.P. Motor

#### WITH CROMPTON MOTOR

**RSE-471A3** 45 litres, fitted with 1/4 H.P. Motor

**RSE-471A4** 75 litres, fitted with 1/2 H.P. Motor



RSE-470(A)





### RSE-472 : ROTARY VACUUM PUMP

"RSE" Vacuum Pumps are mounted on a heavy steel base plate, and have a wide range of oil sealed pumps. Fitted with heavy duty electric motor, all pumps are V-Belt driven at a speed of 1400 RPM. Pumps are fabricated out of high grade cast iron and are worked on sophisticate machines to give accuracy in microns, thus leading to very high sustained vacuum. Supplied in single stage or double stage models. All "RISING SUN" vacuum pumps are fitted with belt guard, vaccum gauge as a standard feature. To work on 220/230 volts A.C. supply.

Product Code	CAPACITY	MOTOR CAPACITY	WITH PERFECT / EQUIVALENT MOTOR
<b>SINGLE STAGE</b>			
RSE-472A1	50 ltr / min	0.25 H.P.	
RSE-472A2	100 ltr / min	0.50 H.P.	
RSE-472A3	200 ltr / min	1.00 H.P.	
RSE-472A4	300 ltr / min	1.00 H.P.	
RSE-472A5	500 ltr / min	2.00 H.P.	
<b>DOUBLE STAGE</b>			
RSE-472A6	50 ltr / min	0.25 H.P.	
RSE-472A7	100 ltr / min	0.50 H.P.	
RSE-472A8	200 ltr / min	1.00 H.P.	
RSE-472A9	300 ltr / min	1.00 H.P.	
RSE-472A10	500 ltr / min	2.00 H.P.	

#### Optional Accessories

- RSE-472OA1 Moisture Trap.
- RSE-472OA2 Vacuum Gauge with regulator
- RSE-472OA3 Non Return Valve

### RSE-473 : VACUUM-CUM-PRESSURE PUMP (DIAPHRAGM TYPE) (BELTLESS AND OIL FREE)

It is double stage pump to create vacuum through a diaphragm, where continues operations are required without the fear of sample contaminations through oil vapours where even a slightest Environment contamination through oil mist is forbidden. To work on 220/230 volts A.C.

#### Product Code

- RSE-473A1 Capacity 25 ltrs. / min. air displacement (DOUBLE HEAD)
- RSE-473A2 Capacity 45 ltrs. / min air displacement (DOUBLE HEAD)

### RSE-474 : HIGH PRECISION DIGITAL MELTING POINT APPARATUS

Melting point is displayed on the 3½ digit mounted on the front panel, The instrument basically consists of a miniature furnace with controllable heating rate arrangement, an air circulating arrangement and a digital temp. indicating circuitry with necessary controls, Temp. at the melting point is latched on the digital display and the furnace is automatically cut-off. The rate of rise in temp. can be precisely controlled by a knob on the front panel. The instrument gives audio & visual indications, on reaching the temp. at which the sample melts. The temp. indicating point of the sample remains displayed on the panel till the clear press switch marked "CLEAR" is operated. The range of the instruments is Ambient to 350°C. Readability is 1.0°C with accuracy of ± 1°C. The unit works on 230 Volts / 50Hz. A.C.

#### Product Code

- RSE-474A1
- RSE-474A2 With Oil Bath Vessel & Strier type

### RSE-475 : MELTING POINT APPARATUS

For determination of melting points upto 350°C. The mounted block is illuminated from below by a lamp fixed in its housing. The aluminium block accept three capillary tubes & mercury thermometer. The temp. is regulated by energy regulator fitted to the unit. The lamp provides uniform & shadow less regulator fitted to the unit.

#### Product Code

- RSE-475A1 Without Capality and thermometer
- RSE-475A2 With Digital Temp. Indicator,



RSE-471



RSE-472



RSE-473



RSE-474



RSE-475

### RSE-476: PENETROMETER APPRATUS

As per IP 49, 50 & 167 specifications and also per IS 1448 (P : 60) & ( P : 93) This apparatus is used for penetration test on a wide variety of materials such as greases, petroleum, bitumen, tar wax, polish, food stuff, rubber asphalts & pharmaceutical Creams.

**Product Code**

**RSE-476A1** 0-400 in one tenth millimeter Sub Division

**RSE-476A2** 0-400 in one tenth millimeter Sub Division With Digital Timer Device



RSE-476

### RSE-477: RING & BALL APPARATUS (HAND OPERATED)

We offer Ring And Ball Apparatus. For determining the temperature at which a sample of bitumenous material drops specified distance when heated under prescribed conditions and loaded by 3/8 inch diameter steel ball. Two simultaneous test can be carried out. The equipment is supplied complete with beaker but without thermometer.

**Product Code**

**RSE-477A1**



RSE-477

### RSE-478 : SCRATCH HARDNESS TESTER

Automatic electrically Operated Model, The automatic Scratch hardness tester can be used in accordance with BS3900, IS 101 – 1964 standards. Suitable for research work or for larger laboratories where repetitive quality control test are carried out.

**Product Code**

**RSE-478A1** IN this instrument the sliding panel is driven by manual with Standard Weight .



RSE-478

### RSE-479 : COLONY COUNTER DIGITAL

Fitted with automatic 4 digits LED Digital Display. Counting plate with illuminated standard wolffugel ruling ensures clarity differentiated and sharply defined colonies. Each touch of marking pencil in the digitis increments the colony count by '1' and the glowing LED Display depicts the total colony count. Maximum colony count possible upto 9999 Provided with a manual reset of digital display, ON/OFF Switch, counting plate, 100 m.m. dia lens, cord and plug. To work on 220 V.A.C.

**Product Code**

**RSE-479A1**



RSE-479

### RSE-480 : LABORATORY JACK (MADE OF S. STEEL TOP)

**Product Code**      **Size**

**RSE-480A1**      20 x 20 cm



RSE-480

### RSE-481 : RECTANGULAR HOT PLATE (WITH CAST IRON TOP)

For continuous heating upto 300°C. The body is made of specially designed perforated P.C.R.C. Sheet painted with attractive stove enamel with insulated elements. To work on 220/230 volts A.C.

Product Code	Size (W x L x H)	With Energy Regulator
<b>RSE-481A1</b>	20 x 30 x 15 cm (10" x 12" x 6")	
<b>RSE-481A2</b>	25 x 40 x 15 cm (10" x 16" x 6")	
<b>RSE-481A3</b>	30 x 45 x 15 cm (12" x 18" x 6")	
<b>RSE-481A4</b>	45 x 60 x 15 cm (18" x 24" x 6")	

**Optional Accessories :**

**RSE-4810A1** Thermostate Controller.

### RSE-482 : HOT PLATE ROUND (WITH CAST IRON TOP)

The body is made of P.C.R.C. sheet duly powder coated paint. The top cast iron heating plate is round having 20 cm. Dia, with heating elements of 1.5 kw rating. Temperature is controlled by energy regulator upto 300°C.

**Product Code**

**RSE-482A1**      20cm dia with heating element of 1.5kw



RSE-482

### RSE-483 : SLIDE WARMING TABLE

It is very useful for heating slides to a uniform constant temperature below the melting point of wax. The surace temperature is controlled by hydraulic type thermostat from ambient to 90°C. Supplied complete with pilot lamp, cord and lamp, but without thermometer. To work on 220/230 volts A.C. supply.

**Product Code**

**RSE-483A1**      300 x 150 mm.

**RSE-483A2**      600 x 150 mm.



RSE-483



# RISING SUN ENTERPRISES

## Complete Laboratory Solutions

### RSE-484 : HEATING MANTLE (MADE FROM GLASS YARM)

It withstands high temperature up to 300°C. The body of the mantle is spun one piece (upto 10 Liters Capacity) duly powder coated. All heating mantles are lagged With special grade mineral wool. To work 220/230 Volts. A.C.

Product Code	CAPACITY	DELUXE WITH ENERGY REG.	Product Code	CAPACITY	WITH ENERGY REGULATOR
RSE-484A1	250 ml. or 500 ml.		RSE-484A7	250 ml. or 500 ml.	
RSE-484A2	1 ltr.		RSE-484A8	1 ltr.	
RSE-484A3	2 ltr.		RSE-484A9	2 ltr.	
RSE-484A4	3 ltr.		RSE-484A10	3 ltr.	
RSE-484A5	5 ltr.		RSE-484A11	5 ltr.	
RSE-484A6	10 ltr.		RSE-484A12	10 ltr.	

#### Optional Accessories SPARE MANTLE

- RSE-4840A1
- RSE-4840A2
- RSE-4840A3
- RSE-4840A4
- RSE-4840A5
- RSE-4840A6



RSE-484

### RSE-485 : KJELDAHL DISTILLATION UNIT

This is very useful for distillation purpose for 300ml. and 500ml, 800ml capacity flasks. Provided with condenser rack and clamp. To work on 220/230V A.C. Supply.

#### Product Code

- RSE-485A1 Unit of 3 test Mantle Type (Without glass parts)
- RSE-485A2 Unit of 6 test Mantle Type (Without glass parts)

### RSE-486 : KJELDAHL DIGESTION UNIT

It is very useful for estimation of Nitrogen content in the substance by digestion for 800 & 500 ml. Capacity flasks Provided with FUME DUCT and pair of hangers. To work on 220/230 A. C. Supply.

#### Product Code

- RSE-486A1 Unit of 3 test Mantle Type (Without glass parts)
- RSE-486A2 Unit of 6 test Mantle Type (Without glass parts)

### RSE-487 : MICRO KJELDAHL DIGESTION UNIT

This apparatus is used for estimation of nitrogen content in the substance by digestion in micro flasks of capacity 30, 50 & 100 ml. The housing is made of M.S. painted with attractive stove enamel. To work on 220/230 Volts A.C. Supply.

#### Product Code

SUPPLIED WITH LEAD FUME DUCK.

#### DELUXE MODEL

- RSE-487A1 Unit of 6 test Mantle Type (Without glass parts)

### RSE-488 : SOXHLET EXTRACTION UNIT

Ideal heater for the extractors of Soxhlet and other types. This apparatus is suitable to heat soxhlet flasks of 50- 500 ml. It consists of M.S. sheet housing, vertical & two horizontal rods With adopters and screws to hold the flasks. To work on 220/230 A.C. Supply.

#### Product Code

#### MODEL

- |           |  |         |
|-----------|--|---------|
| RSE-488A1 | Unit of 3 test Mantle Type (Without glass parts) | ROUTINE |
| RSE-488A2 | Unit of 6 test Mantle Type (Without glass parts) | ROUTINE |
| RSE-488A3 | Unit of 3 test Mantle Type (Without glass parts) | DELUXE  |
| RSE-488A4 | Unit of 6 test Mantle Type (Without glass parts) | DELUXE  |

### RSE-489 (A) : COD DIGESTION APPARATUS

To determination of Chemical Oxygen Demand. It is a solid state Aluminium block heated unit with provision for samples to be digested at a time in 38 mm. dia reaction vessels with 20 ml sample size of heat at temp. of 150°C + 1°C controlled by solid state digital temp. indicator-cum controller; Micro Processor Based . It has provision for 15 samples and is supplied with 15 nos. glass reaction vessels and 15 nos. air condensers. Fitted with a Digital hour timer, the samples after being digested for 2 hours can be analyzed using calorimeter or conventional titration method. To work on 220/230 volts AC.

#### Product Code

- RSE-489A1



RSE-485



RSE-487



RSE-488



RSE-489



### RSE-490(A) : PRECISION ROTARY MICROTOME (A. O. SPENCER TYPE)

It has a front located feed indicator with CAM DRIVE SYSTEM setting from 1-50 microns in steps of 1 micron each. The object clamp takes specimen upto 32 x 27 m.m on stem of block holders. The cutting micron each. The object angle is adjustable through 30 degrees Two levers are provided for releasing knife holder for resetting angles and a third lever releases the entire assembly for movement on side ways to adjust horizontal distance from object. Supplied with one knife of special alloy steel 120 m.m long with back and handle in box, 3 block holders, one honing stone, one bottle of lubrication oil and dust cover.

**Product Code RSE-490A1**



**RSE-490(A)**

### RSE-490(B) : PRECISION ROTARY MICROTOME (LIPSHAW TYPE)

IT IS USEFUL FOR SECTIONING OF BONE TISSUE. The wheel is counted balanced with locking device and has automatic feed and release mechanism. A light cover hinged at back is provided for protection of internal parts from dust. Feed range of 1-50 microns in step of 1 micron each, is controlled smoothly by "DIAL CONTROL" in the rigid front position. For easy positioning of the object to the knife and for returning the feed to the starting position. the feed crank is located at the left side of the microtome, and the feed pawl automatically ceases to function when the feed reaches the extreme forward position. It incorporates ball and flange type object holder for positioning of the object at desired position, Complete with 120 m.m. knife with back and handle in case, 6 block holders, honing stone, bottle of lubrication oil and dust cover.

**Product Code RSE-490A2**



**RSE-490(B)**

### RSE-491 : PRECISION ROTARY MICROTOME (ERMA JAPAN TYPE)

It incorporates a ball and flange type object holder for specimen centering. Knife holder with lateral movement permits use of complete knife edge and has a feed range of 1-25 micron in steps of 1 micron each, Supplied complete with one knife 120 m.m. long with back and handle bod, 3 block holders, one honing stone, one bottle of lubrication oil and dust cover

**Product Code RSE-491A1**



**RSE-491**

### RSE-492 : FREEZING MICROTOME (ERMA JAPAN TYPE)

Having a table clamping device with a feed range of 5-40 microns in step of 5 microns each. Based on the principle of freezing with the evaporation of CO2 cylinder around the specimen. The unit is supplied complete with freezing attachment with specimen stage of 32 m.m. dia, gas pipe, on knife of 120 m.m. with back and handle in case of honing stone. Supplied without CO2 gas cylinder

**Product Code RSE-492A1**

#### Optional Accessories

**RSE-4920A1** CO2 Gas Cylinder (Capacity 10 litres).

**RSE-4920A2** Spare stage for frozen section.

**RSE-4920A3** Gas pipe.



**RSE-492**

### RSE-493 : MICROTOME ACCESSORIES

#### Product Code

<b>RSE-493A1</b>	Spare Microtome Knife	120 mm
<b>RSE-493A2</b>	Spare Microtome Knife	150 mm
<b>RSE-493A3</b>	Spare Microtome Knife	180 mm
<b>RSE-493A4</b>	Spare Microtome Knife	200mm
<b>RSE-493A5</b>	Honing glass plate (in wooden box)	
<b>RSE-493A6</b>	Leather Strap	

### RSE-494 : SOIL pH AND MOISTURE TESTER & SOIL pH TESTER

#### Product Code

**RSE-494A1**



**RSE-494**

### RSE-497 : ICE FLAKING MACHINE

One of our compact ice flakers come with rugged inner construction made of high corrosion free stainless steel of 18 SWG, 304 and has in-built collecting bin. Preventing ice flakes from melting this collecting bin is fully insulated with 'PUF'. It also has user friendly door system, which allows easy operation of the machine. Outer body of the this unit is made of 20 SWG CRCA Sheer and duly powder coated or made of 20 SWG, 304.

#### Product Code

**RSE-497A1**



# RISING SUN ENTERPRISES

## Complete Laboratory Solutions

Stainless Steel buffed to matt finish. This unit also equipped with easy mobility option and is mounted on castors wheels. Drainage system is fitted on the bottom of the machine.

Refrigeration: For best cooling experience and good quality ice flakes our ice flake machines are equipped with quality compressor and air cooled condensation CFC / HCFC Free and R404a refrigerant to cool the crusher assembly for producing ice.

### Specifications:

Production	:	60Kg :
Refrigeration	:	CFC / HCFC Free (R404a)
Type of Ice	:	Flakes
Interior Construction	:	304 Stainless Steel
Outer Construction	:	20 SWG CRCA Sheet
Auto Cut off	:	Yes
Production Start Time	:	10-15 Minutes
Power	:	230 Volt or 440 Volt
Coaster Wheels	:	Optional
Drainage System	:	Yes



RSE-497

### RSE-498 : ICE MAKING MACHINE

These are highly effective and efficient to use. These are mainly used in research laboratories, pharmaceuticals, medical, biotechnological, chemicals, and hotel industries. The machine utilizes running tap water and converts it in the form of ice cubes continuously. Its body is painted with stainless steel with no corrosion. It is compact, covers less floor area, self contained unit & easily installable. The flow of water is easily controlled while maintaining a required level of water irrespective of alterations in pressure. It consists of automatic cut off in case of Low water or No water supply. These are available to us in industrial leading prices.

#### Product Code

RSE-498A1 25 Kg/day

RSE-498A2 50 Kg/day

RSE-498A3 105 Kg/day



RSE-498

### RSE-499 : SLIDE CABINET

For storing 3" x 1" slides in vertical position one after the other in a closed pack manner. Made of wood duly painted. Each drawer moves in a slot and is removable for easy lifting. Complete with lock and key.

Product Code Slides

RSE-499A1 5000

RSE-499A2 10,000



RSE-500

### RSE-500 : DIGITAL THERMO- HYGROMETERS

Product Code Humidity Temperature

RSE-500A1 Range : 20-99%RH. Range : 0-50°C



RSE-501

### RSE-501 : INFRARED LASER GUN THERMOMETER

Range -50--+550°C , Big Display, Backlit, C/F, RESU :Accuray 0.1° C

Product Code RSE-501A1



RSE-502

### RSE-502 : DIGITAL SOUND LEVEL METER

Product Code Range

RSE-502A1 30-130Db

### RSE-503 : ROTA MANTLE

These are specially designed to meet laboratory requirement of convenient stirring in flask with simultaneous uniform heating by heating mantles. These have two tier constructions with the upper compartment consisting of heating element. Accurate stepless speed control allows smooth variation up to 1200 rpm. Heating energy is controlled by energy regulator.



RSE-503



### Product Code

**RSE-503A1** Capacity 1 Ltr.

**RSE-503A2** Capacity 2 Ltrs.

**RSE-503A3** Capacity 5 Ltrs.

### RSE-504 : GLOSS METERS DIGITAL

#### Product Code

**RSE-504A1** Range : 0-100% at different geometry 45° or 60° angle head

### RSE-505 : LEAK TEST APPARATUS COMPLETE

It's the most ideal 'LEAK TEST' instrument for checking Blister Packs and Strips. It makes the conventional dessicator with a huge vacuum pump, obsolete. The German make Vacuum Pump ensures that a high level of vacuum is created in the shortest possible time. And the Die-pressed Polycarbonate vacuum dessicator sustains the vacuum for a long time. A vacuum gauge is provided to indicate the vacuum level. This connected to the isolation valve which helps disconnect the source, thereby avoiding the need for continuously. While it's amazing compactness saves valuable space in process laboratories, a 0-5 minute timer helps the operator attend to other chores at a time.

#### Product Code

**RSE-505A1** With Vacuum Pump, Timer & Dessicator

#### Features :

- Extremely Compact Construction
- Long Lasting.
- Polycarbonate Vacuum Dessicator
- Stainless Steel (GMP) Construction
- Vacuum Level Upto 22" of Hg
- Dessicator size 12"
- Rating 5A 230V Single Phase
- Vacuum Level 22" Hg
- Dessicator Polycarbonate 10"
- Body Stainless Steel
- Actual Size (Inches) 14" (W) x 9" RSE-(D) x 10" (H) Approx

### RSE-506 : DIGITAL AUTOMATIC KARL FISHER APPARATUS

Having combined units with array of 10 LED'S, buzzer, auto burette, adjustable timer, dual platinum electrode and other accessories.

#### Product Code

**RSE-506A1**

**RSE-506A2** With Peristaltic Pump Automatic controller

### RSE-507 : SUBMARINE ELECTROPHORESIS SYSTEM (HORIZONTAL ELECTROPHORESIS)

FOR DNA / RNA SEPERATION, is supplied complete with 99.9% PURE PLATINUM ELECTRODES, Gel casting tray, one comb with terminal lead.

#### Product Code GE PLATFORM SIZE

With U.V. Transparent Gel Casting Tray

**RSE-507A1** 60 x 75 mm

**RSE-507A2** 75 x 100 mm

**RSE-507A3** 100 x 125 mm

**RSE-507A4** 125 x 150 mm

**RSE-507A5** 150 x 200 mm

**RSE-507A6** 200 x 250 mm

#### Optional Accessories

**RSE-5070A1** Levelling table for gel casting size : 30 x 30 cm.

**RSE-5070A2** Levelling table for gel casting size : 15 x 15 cm.

**RSE-5070A3** Comb stand for gel platform. (for any of above sizes)

**RSE-5070A4** Acrylic comb 8 well or 13 well of thickness 0.4m.m./1.5m.m./2m.m./3m.m

**RSE-5070A5** Acrylic comb 3 well or thickness 3m.m./6m.m.

**RSE-5070A6** Developing chamber (light proof).



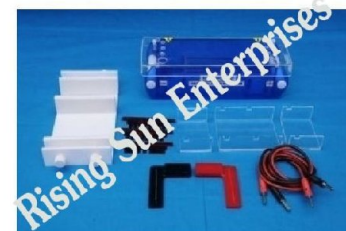
RSE-504



RSE-505



RSE-506



RSE-507



### RSE-508 : PAPER ELECTROPHORESIS APPARATUS

Paper Electrophoresis Apparatus (Horizontal Migration Cell) is made of transparent, inert acrylic plastic sheet. PLATINUM ELECTRODES OF 99.9% PURITY extend through the entire width of the buffer compartment. It can accommodate six paper strips of 4 cm width or paper/sheet upto 28 cm width on removable special strip carrier placed on the bed of the chamber

#### Product Code

RSE-508A1

#### Optional Accessories

RSE-5080A1 Gel Cutter

RSE-5080A2 Gel Tray Set

RSE-5080A3 Starch Gel Tray



RSE-508

### RSE-509 : VERTICAL SLAB GEL ELECTROPHORESIS APPARATUS

Made out of thick perspex sheet with fixed upper and lower buffer tanks with 1 comb, 3 spacers, 1 plain glass plate, 1 notched glass plate, clamps, electrode terminals & Platinum ELECTRODES OF 99.9% PURITY.

#### Product Code

RSE-509A1 Fixed Height.

RSE-509A2 Adjustable Height (WITH S.S. / PLEXIGLASS RODS)

#### Optional Accessories

RSE-5090A1 Rectangular notched glass plates 8 x 7, or 11 x 13 or 19 x 22cm.

RSE-5090A2 Gel casting unit

RSE-5090A3 Combs of 7 wells or 9 wells of 13 wells of thickness 1.5/1.0/2.0m.m.

RSE-5090A4 Preparative comb of 3 wells of thickness 3.0m.m.

RSE-5090A5 Acrylic spacer (set of 3pcs.) of size 0.5/1.0/1.5/2.0/3.0



RSE-509

### RSE-511 : DISC / TUBE GEL ELECTROPHORESIS SYSTEM

Fractions take the form of sharp discrete disc. It is a circular bath assembly with a leakproof chamber fitted with 12 gel tubes. The design has been made with detachable upper chamber, fitted with 99.9% PURE PLATINUM ELECTRODES, cable socket and buffer chamber having 12 destaining tubes

#### Product Code

RSE-511A1

#### Optional Accessories

RSE-5110A1 Gel Cutter

RSE-5110A2 Destaining Tubes (Per Dozen)

RSE-5110A3 Gel Tubes (Per Dozen)

RSE-5110A4 Gel Tubes Stand

RSE-5110A5 Grommets (Per Dozen)

RSE-5110A6 Syringes (10 ml. Cap.) with needle

RSE-5110A7 Gel Destainer (Small)



RSE-511

### RSE-512 : ELECTROPHORESIS POWER SUPPLY DIGITAL (CONSTANT VOLTAGE CONSTANT CURRENT)

It delivers a current of any value between 1-100 MA (500 Volts Max.) in a constant current mode, and a voltage of 0.500 Volts (100mA MAX.) in constant voltage mode. The range control potentiometer makes the output adjustable over the entire range of the unit. It has line and load regulation  $\pm 0.5\%$  and ripple less than 10 mV. All supplies are short circuit and overload protected.

#### Product Code

RSE-512A1 Range 0-500 volts & 0-100 mA (with Two Digital Meters)



RSE-512

### RSE-513 : BUTYRO REFRACTOMETER (OIL & SUGAR REFRACTOMETER)

It has a double scale. One is Oil Scale (Butyro Scale) having range of 0 to 100 and accuracy of  $\pm 0.1$  read directly on the micrometer. The other is sugar scale having a range of 50-80% with an accuracy of  $\pm 1\%$  also read direct on scale.

#### Product Code

RSE-513A1

#### Optional Accessories

RSE-5130A1 Circularity Water Bath



RSE-513

### RSE-514 : ABBE REFRACTOMETER

Used for measuring refractive index in the range 1.3 to 1.7 with an accuracy of 0.001 direct on scale and 0.0001 by estimation, Sugar percentage range of 0 to 95% with an accuracy of 1% on scale and 0.1 by estimation can be measured. Complete with test piece,

#### Product Code

**RSE-514A1** contact liquid and thermometer in wooden cabinet & Lighting System.

#### Optional Accessories

**RSE-514OA1** Circularity Water Bath



RSE-514

### RSE-515 : HAND REFRACTOMETER

These instruments are widely used for measuring the sugar concentration of sugar cane, Fruit juice syrups, jams, cola, confectionery products and liquid

Product Code	RANGE	ERMA JAPAN
RSE-515A1	0-32%	
RSE-515A2	28-62%	
RSE-515A3	58-92%	
RSE-515A4	0-85% (Digital)	



RSE-515

### RSE-517 : RESEARCH POLARIMETER

The overall improvement in its optical design, ensures permanent and undisturbed focus, Its highly accurate glass scale is divided to read angular degrees and also carries sugar scale in I.S.S. Units. The angular scale from 0 to 360 degree is sub divided to 1 degree to enable direct reading to 0.05 degree and by estimation to 0.02 sugar degrees. The sugar scale from 30 degree to 120 degree. Supplied Complete with polarimeter tube, Sodium Lamp, transformer instruction manual.

#### Product Code

**RSE-517A1** Tube size 220 mm with Rotating Half Shadow.

**RSE-517A2** Tube size 400 mm with Rotating Half Shadow.

#### Optional Accessories

**RSE-517OA1** Sodium lamp housing / pipe fitting with holder.

**RSE-517OA2** Sodium vapour lamp (35 Watts).

**RSE-517OA3** Sodium Lamp transformer 35 Watt.

**RSE-517OA4** Pole Tube 220 mm.



RSE-517

### RSE-518 : BOMB CALORIMETER (DIGITAL) (WITH SAFETY DEVICE)

For determination of heat combustion of organic matter and calorific value and sulphur content of coal, solid and liquid fuels. The Bomb has a capacity of 300 ml approximately a provided with a high pressure Schroder valve. Tested as per the requirement of Institute of. petroleum (IP 12/63T). Supplied with, Bomb Calorimeter Vessel with Bomb Support, Water Jacket, Combined Lid for Calorimeter Vessel and PUF Jacket, Stirrer, Connecting leads, Connecting tube to connect bomb and pressure gauge. Connecting tube with fine adjustment valve to connect pressure gauge and oxygen cylinder pressure gauge on stand, spanner for oxygen tube connection, ignition wire (2 meters) Nichrome, Cotton Reel, stand for Unit, Pellets Press, Digital Beckman Thermometer, Benzoic Acid, 'O' Ring Small, 'O' Ring for stirrer, Valve for Bomb and Valve Key. Supplied without oxygen cylinder (optional)

#### Product Code

**RSE-518A1**

#### Optional Accessories

**RSE-518OA1** Oxygen cylinder

**RSE-518OA2** Printer & Automatic Calculation Device



RSE-518

### RSE-519 : ULTRA VIOLET FLUORESCENCE ANALYSIS CABINET

For visualization of test objects under U.V. tube having long wave length (365 n.m.) and short wavelength (254 n. m.) as desired. A fluorescent tube is fitted to the unit for day light visualization. Supplied with three tubes to work on 220/230 Volts A.C.

#### Product Code

**RSE-519A1** With short wave tube

**RSE-519A2** With long wave tube & short wave

**RSE-519A3** With long short wave & day light tube



RSE-519





### RSE-520 : INFRA RED MOISTURE BALANCE (WITH ELECTRONIC REGULATOR)

With Electronic Regulator, Very easy to operate with an accuracy of 0.2% by direct reading, 0.1% by estimation. Complete with 'L' bend thermometer, 5 disposable pans, one tweezer, and instruction manual. Available in 5 gms, 10 gms, or 25 gms. Capacity (Price remains the same for Any capacity)

#### Product Code

RSE-520A1



RSE-520

### RSE-521: MAGNASCOPE (ILLUMINATED MAGNIFIER)

A Powerful tool in dissection study of Zoological specimens, Botanical specimens, Industries etc. Ergonomically designed, The optical system feature 130 m.m. dia lens having a view dia of 120m.m. Illumination consists of a 22 watts circular tube for shadowless cool glare free view, It has a area magnification of 4 x and can be magnified upto 10 x using an auxiliary parallel lens.

#### Product Code      Optional Accessories

RSE-5210A1      Table Model on stand

RSE-5210A2      Table Clamping model



RSE-521

### RSE-522 : FLASH POINT APPARATUS (ABEL'S TYPE)

Suitable for determination of close cup flash point of petroleum production. It is designed as per IP-33 and IS-1448 (part -1) 1985 (P:20). It is suitable for oils whose flashes below 70 °c. Supplied with oil cup cover assembly fitted with stirrer, thermometer socket, S.S Water Bath, stand & electric heater is fitted at bottom for operation on 220 volts.

#### Product Code

RSE-522A1

#### Optional Accessories

RSE-5220A1      IP temp thermometer

RSE-5220A2      Gas Regulator with LPG Cylinder



RSE-522

### RSE-523 : FLASH POINT APPARATUS (PENSKEY MARTEN TYPE)

It is designed as per IP 34, ASTM D 93 and IS 1448 (part-1) IS 1209-1953 method B. The apparatus consists of brass test cup, lid with handle, removable cup cover with spring operated rotating shutter having oil test jet and flexible shaft. Electrically heated with energy regulator Control suitable to operate on 220 volts A.C

#### Product Code

RSE-523A1

#### Optional Accessories

RSE-5230A1      IP Temp thermometer

RSE-5230A2      Gas Regulator with LPG Cylinder



RSE-523

### RSE-524 : FLASH POINT APPARATUS (CLEAVE LAND TYPE)

It is designed as per IP 36 IS 1448 ( P 69) 1969 and ASTM D-92-57 specification. It is used for determination of flash point and fire point of petroleum products except fuel oil with open cup flash below 80°C. It consists of brass cup, heating plate, thermometer clamp, test flame attachment with swivel joints for passing over test liquid surface in prescribed manner. Electrically heated with energy regulator and supplied with .

#### Product Code

RSE-524A1

#### Optional Accessories

RSE-5240A1      IP Temp .



RSE-524

### RSE-524 (A) : TAR VISCO METER AS PER IP 72 AND IS 1206 STANDARD

It is used for determination the viscosity of road oils and bitumen. It consists S.S bath with cup of 10 mm or 4 mm orifice suitable to operate on 220 volt A.C. mains.

#### Product Code

RSE-524A2



RSE-524(A)

### RSE-524 RSE-(B) : SAY BOLT VISCO METER APPARATUS AS PER ISTMD 88 SPECIFICATION

With universal and furol jets made of stainless steel ( without strainer, withdraw tube & glassware.) suitable on 220 volts A.C. mains.

#### Product Code

RSE-524A3



RSE-524(B)

### RSE-525 : REDWOOD VISCOMETER No. 1

As per IP 70( former) specification. Fitted with energy regulator and specification without thermometer (Flow Range 20 sec. to 2000 sec.)

**Product Code**

**RSE-525A1**

**Optional Accessories**

**RSE-525OA1** IP Thermometer

**RSE-525OA2** Flask Receiver 60ml. Cap.

RSE-525



### RSE-526 : REDWOOD VISCOMETER No. 2

As per IP 70 (former) specification. Fitted with energy regulator and specification with thermometer

**Product Code**

**RSE-526A1** (Flow Time exceed 2000 sec.)

RSE-526



### RSE-527: BLOOD CELL COUNTER (CLAY ADAN TYPE)

It used for counting blood cells, wherein each unit counts upto 999 and the totalizer unit indicates the total of different cells. A bell automatically sounds at every hundred count. Complete with storing case.

**Product Code**

**RSE-527A1** 5 Keys and one Totalizer

**RSE-527A2** 8 Keys and one Totalizer

**RSE-527A3** 8 Keys and one Totalizer Digital

RSE-527



### RSE-528 : G.S.M. CUTTER WITH PAD

**Product Code**

**RSE-528A1**

RSE-528



### RSE-529 : THIN LAYER CHROMATOGRAPHY KIT (TLC KIT)

Complete with aluminum applicator (Thickness of the layer varied from 1 m.m. to 2 m.m.) thin layer drawing board, drawing rack, developing chamber, silica gel pipette, Glass plates and glass sprayer with bulb

**Product Code**

**RSE-529A1**

**Optional Accessories**

**RSE-529OA1** Spare Brass Applicator



RSE-529

### RSE-531 DIGITAL TURBIDITY METER (RANGE UPTO 1000 NTU/JTU)

**Product Code**

**RSE-531A1**

Upto 1000 NTU/JTU

**RSE-531A2**

Upto 0-200 NTU/JTU)

RSE-531



### RSE-532 : TIMBER MOISTURE METER (DIGITAL)

For direct reading of surface moisture ply or wood, the instrument is housed in cabinet complete with needle work on 9 volts battery, Range from 5-40% has an accuracy of  $\pm 1\%$ .

**Product Code**

**RSE-532A1** Digital Model

RSE-532



### RSE-533 : SEED / FOOD GRAIN DIGITAL MOISTURE METER

It is a light weight portable instrument designed to detect moisture in food grains, pulsed, oilseeds, vegetables seeds, spices and other granular substances. The grain are compressed and conductivity noted with type electronics. Digital model is Super Microprocessor Based and is with rugged. Direct readable on 3 digit L.E.D. display with measuring range of 5-40% with an accuracy of  $\pm 0.2\%$ . It gives direct reading on digital display.

**Product Code**

**RSE-533A1** Battery Operated (for single item) (DIGITAL)

**RSE-533A2** Multiple use for a 8 Type of seeds (DIGITAL)

RSE-533



### RSE-534 : DIGITAL SALINITY METER

**Product Code**

**RSE-534A1** Range 0 to 200 PPM, 2PPT, 20 PPT, 200 PPT, 1000 PPT) (Portable Light)

**RSE-534A2** do but with measurement of Salinity, Conductivity & Temp.(All Combined) Thumble Model

RSE-534





### RSE-535 : DIGITAL ELECTRONIC WATER ANALYSER KIT (PORTABLE FOR FIELD USE)

Based on advance electronic technology for water analysis, pollution control, laboratory analysis, soil testing etc. Complete unit is housed in a briefcase to work on battery-cum-mains. Unit is supplied without O.R.P. electrode.

#### pH MEASUREMENT

Range : 0 to 14 pH Continuous  
 Resolution : 0.01 pH  
 Accuracy :  $\pm 0.01$  pH  $\pm 1$  digit (relative)  
 Temp Compensation : 0 to 1000 C (Manual)

#### ORP MEASUREMENT

Range : 0 to  $\pm 1999$  mV.  
 Resolution : 1 mV  
 Accuracy :  $\pm 0.1\% \pm 1$  digit

#### T.D.S. MEASUREMENT

Range : 0 to 100 PPM, 0 to 1000 PPT. 10 PPT, 0 to 100 PPT & 0 to 1000  
 Resolution : 0.1 PPM (Lowest Range)  
 Accuracy :  $\pm 5$  of range  $\pm 1$  digit

#### TEMP MEASUREMENT Range

Range : -0 to 100°C  
 Resolution : 0.1° C  
 Accuracy :  $\pm 0.5\%$  of range  $\pm 1$  digit.  
 Sensor Input : PT-100 R.T.D. Type

#### D.O. MEASUREMENT

Range : 0 to 20 PPM  
 Resolution : 0.1 PPM  
 Accuracy :  $\pm 0.2$  PPM  $\pm 1$  digit  
 Temp. Comm. : 5°C to 55°C (Manual)  
 Probe : Amperometric Gold / Silver membrane

#### COND. MEASUREMENT

Range : (0 to 1000 mmhos in 5 ranges)  
 Resolution : 0.1 micro mho (lowest range)  
 Sensor Input:  $\pm 0.5\%$  of range  $\pm 1$  digit.  
 Temp. Co-Eff. Comp. : Automatic from D.O.  
 0°C to 70°C with PT-100 Sensor. type

#### Product Code

- RSE-535A1** Six Parameters:(pH, Conductivity, TDS, ORP, DO and temp.)
- RSE-535A2** Five Parameters:(pH, Conductivity, ORP, TDS and temp.)
- RSE-535A3** Seven Parameters:(Turbidity, pH, Conductivity, TDS, ORP, DO and temp.)
- RSE-535A4** Three Parameters: (Salinity, Conductivity and Temp.)
- RSE-535A5** pH Meter in handy:(for field use)



RSE-535

### RSE-536 : pH METER DIGITAL

Most useful for pH and redox potential measurements, Supplied with slope correction facility.

Display : 3½ digit.  
 Range : pH = 0 to 14 pH continuous, MV = 0 to  $\pm 1999$  mV.  
 Resolution : pH = 0.01 pH, mV = 1 Mv  
 Accuracy : pH = 0.01 pH (Relative), mV = 0.1 %  $\pm 1$  digit.  
 Temp. Compensation : 0-100°C (Manual)

Supplied complete with combined pH electrode with Gold Plated BNC Connector,

Two plastic bottles.Electrode stand and instruction manual.

To work on 220/230 A.C. Supply.

#### Product Code

**RSE-536A1**

#### Optional Accessories

- RSE-536OA1** Automatic Temp. Compensation with PT-100 probe extra
- RSE-536OA2** PH Electrode 0 -14 pH



RSE-536

### RSE-537 : PEN TYPE pH METER (DIGITAL) (0-14 pH)

**RSE-537A1** Accuracy  $\pm 0-2$  pH



RSE-537

### RSE-538 : DIGITAL CONDUCTIVITY METER

Display : 3½ digit LED  
 Range : Conductance = 0.1  $\mu$  mho to 1000 mmhos in 5 Range,  
 0-200 mmhos, 2 mm hos, 20 mm hos 200mmhos, 1000 mm hos,  
 Resistance = 0.1 ohm to 2 M ohm in 5 range, 0 to 200 ohms, 2K



RSE-538



Accuracy : Conductance =  $\pm 0.5\%$  of range  $\pm 1$  digit.  
Resistance =  $\pm 0.5\%$  of range  $\pm 1$  digit.  
Supply : 220 / 230 Volts  $\pm 10\%$  50 Hz A.C. built in stabilizer.

**RSE-538A1** Supplied with Conductivity cell, Dust Cover and instruction Manual.

**Optional Accessories**

**RSE-538OA1** Spare Conductivity Cell

**RSE-539 : DIGITAL T.D.S. AND CONDUCTIVITY METER (COMBINED)**

Display 3½ digit LED, Cond. 0 to 200µ mmhos, 2 mmhos, 20 mmho, 200 mmhos, 1000 mmhos and T.D.S. 0 to 200 PPM 0 to 2000 PPM, 0 to 20 PPT, 0 to 200 PPT, 0 to 100 PPT, Resolution in lowest range of cond. = 0.1 Micro mho, Resolution in lowest range to T.D.S. = 0.1 PPM, Accuracy  $\pm 0.5\%$  of range  $\pm 1$  digit.

Supplied with T.D.S Cond. Cell (one No.), dust cover and stand.

**Product Code**

**RSE-539A1**



**RSE-539**

**RSE-540 : PHOTOELECTRIC CALORIMETER DIGITAL (8 FILTERS)**

It is a rugged, reliable elegant and compact blood and chemical analyser. It performs the end point chemical and biochemical analysis accurately and concentration and displayed directly on the digital display. It has 8 high standard glass filters ranging from 400 to 680 nm. wave length. Complete with 6.8V/250mA tungstone lamp light source, special selenium PhotoCell Detector and sample system of 15mm. dia matched glass cuvettes.

**Product Code**

**RSE-540A1**



**RSE-540**

**RSE-541 : SHOR HARDNESS TESTER FOR PLASTIC**

We have a wide range of Rubber Hardness Tester ( Durometers ) both Digital and Dial Type. These rubber hardness testers are used for checking the hardness of soft and hard rubber, plastic, abonite, bakelite these comes in two models Shore-A and Shore -D, in range 0-100 shore.

**Product Code**

**RSE-541A1**



**RSE-541**

**RSE-541-A : SHOR HARDNESS TESTER FOR RUBBER**

We have a wide range of Rubber Hardness Tester ( Durometers ) both Digital and Dial Type. These rubber hardness testers are used for checking the hardness of soft and hard rubber, plastic, ebonite, baseline these comes in two models Shore-A and Shore-D in range 0-100 shore.

**Product Code**

**RSE-541A2**

**RSE-542 : DIGITAL PYROGEN TESTING TELE THERMOMETER (MULTI CHANNEL)**

Most useful for pyrogen testing of drugs on rabbit, rats etc. and for measuring the temperature of other animals as goat, buffaloes, cows, camels etc. The unit has a temperature range from 0° to 50° with a resolution of  $\pm 0.1^\circ\text{C}$ . It has an accuracy of  $\pm 0.5\%$  of range  $\pm 1$  digit with 4 digit display. The unit is supplied with probe.

**Product Code**

**RSE-542A1** Six Channel Unit (With Single Display) & Single Prog.

**RSE-542A2** Six channel Unit (With 6 Probe) & Single Display

**Optional Accessories**

**RSE-542OA1** Rectal / Surface Air Probe / Temperature / Liquid Immersion Probe each



**RSE-542**

**RSE-543 : FORD CUP**

**Product Code**

**RSE-543A1** B-4, B-6, B-8



**RSE-543**

**RSE-544 : PORTABLE HAND HELD DIGITAL TEMPERATURE INDICATOR**

3-1/2 digit LCD display, Accuracy  $\pm 0.5\%$  of range  $\pm 1$  digit. 9 V battery operated. Supplied with sensor.

**Product Code**

**Range**

**RSE-544A1** -50°C to 300°C+0.1% (Imported)

**RSE-544A2** 0°C to 500°C+1°C (Indian with 1 Feet S.S. Probe)



**RSE-544**



# RISING SUN ENTERPRISES

## Complete Laboratory Solutions

### RSE-545 : LUX METER DIGITAL

Used for photometric measurements in various Botanical and Agriculture fields. It can measure all kinds of lights. Hand held unit is provided with a very sensitive sensor. To work on 9 volts dry battery.

#### Product Code

**RSE-545A1** Range Up to 20000 lux.

**RSE-545A2** Range Up to 200000 lux.



RSE-545

### RSE-546 : SPECTROPHOTO METER DIGITAL

#### Product Code

**RSE-546A1** Range 340-960 nm with facility for automatic concentration, % Transmission & O.D. Measurements. Wavelength resolution 5 nm 3 ½ digit LED display round tubes.

**RSE-546A2** DUAL DISPLAY Range 340-960 nm, 3 ½ digit LED display with facility for automatic concentration % Transmission & O.D. Separate 3 digit LED display for Wavelength in nm with 1 nm wavelength resolution. Provision is made for 10mm path, round test tubes (Specify for mineral water lab)

**RSE-546A3** MICRO PROCESSOR UV / SPECTROPHOTOMETER (SINGLE BEAM)



RSE-546

### RSE-547 : BOERNER GRAIN DIVIDER

It is used to reduce the size of a grain / seed sample into two halves, each exactly representative of the original sample. The body and inner parts are made of copper and brass eliminating possibility of rust. The legs and supports are made of chrome plated steel. The bottom section of the divider is removable for cleaning and the pockets are visible from Top. All units are designed for self emptying. Provides accurate splits of the grain samples with an accuracy +5% on a 1 Kg sample.

#### Product Code

**Size (H x W x D)**

**No. of Pockets**

**RSE-547A1**

38" X 17" X 43"

38

Supplied with two sample pans



RSE-547

### RSE-548 : SLIDE PROJECTOR AUTOMATIC

#### Product Code

**RSE-548A1** Complete with linear tray only and remote control for focusing

**RSE-548A2** Projection Screen Spring Loaded 70" x 50" (On Tripod)



RSE-548

### RSE-549 : OVERHEAD PROJECTOR (DELUXE MODEL)

#### Product Code

**RSE-549A1** With twin lamp system

**RSE-549A2** With Portable Model (Imported)

**RSE-549A3** Projection Screen 70" x 50" (on Tripod Stand)



RSE-549

### RSE-550 : WEIGHT PER LITRE CUP

Stainless steel precision instrument for determining the specific weight of paints and similar products. This instrument consists of a cylindrical container and cover with a hole for exhaust of excess liquid. Capacities are available : 100cc.

#### Product Code

**RSE-550A1**



RSE-550

### RSE-551 : PULPER MACHINE

This machine is designed for extracting the pulp of most fruits & vegetables such as mangoes, guavas, peaches, tomatoes, banana etc. Mounted on a heavy duty mild steel stand, the central pulping unit of the machine consists of a pair of brushes fixed on SS the central pulping unit of the machine consists of brushes fixed on SS shaft & one SS sieve. The gap between the sieve & the brushes can be adjusted to suit different types, sizes & qualities of the product to be pulped the sieve is available in perforation of different sizes & is easily removable for quick interchanging & cleaning. All contact parts are of SS-304 grade S.S.

#### Product Code

**Capacity**

**Unit Price**

**RSE-551A1** 100 kg / hr., fitted with 1/2 H.P. motor

**RSE-551A2** 200 kg / hr., fitted with 1/0 H.P. motor

**RSE-551A3** 500 kg / hr., fitted with 2/0 H.P. motor



RSE-551



# RISING SUN ENTERPRISES

## Complete Laboratory Solutions

### RSE-552 : FRUIT CRUSHER (CRUSHEING MACHINE)

This machine is suitable for crushing stoneless fruits and vegetables. This machine is mounted on a heavy duty mild steel stand equipped with motor and starter. The material is fed into the stainless steel hopper which feeds the product into the crushing drum, which consists of stationary blades and rotary beater which crushes the loaded product.

#### Product Code

**RSE-552A1** With 1.0 H.P. motor (Cap. 500 kg / hr.)



RSE-552

### RSE-556 : POTATO SLICING MACHINE

#### Product Code

**RSE-556A1** Hand Operated with arrangement to adjust thickness of slices

**RSE-556A2** Head Duty Motorised



RSE-556

### RSE-559 : DIGITAL MEASURING SALT/ TEMP./TDS IN LIQUID

Measuring Range	:	Three digit LCD Display
Salt	:	0.00-5.00%
TDS	:	0-999 ppm, mg/L.
Temp.	:	0-100° C

**Product Code RSE-560A1**

### RSE-561 : P.P. CAP SEALING MACHINE

Suitable for all sizes of bottles for threading and sealing operations. Supplied one die.

#### Product Code

**RSE-561A1** Hand Worked Table Model

**RSE-561A2** Heavy Duty Hand Worked Pedestal Model



RSE-561

### RSE-562 : FRUIT PRESSURE TESTER

This tester provide an accurate guide to determine the right period for fruit harvesting & monitors maturation progress during cold storage.

Product Code	Range	Used For
<b>RSE-562A1</b>	0-13 kg ( 0-29 Lb.)	apple, pear, peaches etc.



RSE-562

### RSE-563 : FRUIT AND VEGETABLE SLICER

#### Product Code

**RSE-563A1** Hand Operated Unit with arrangement to adjust thickness

**RSE-563A1** Motorised Unit with 1/4 H.P. motor

### RSE-566 : POTATO PEELER

#### Product Code

**RSE-566A1** Capacity 5 kg. with 0.5 H.P. motor

**RSE-566A2** Capacity 10 kg with 1.0 H.P. motor



RSE-566

### RSE-572 :DIGITAL SEED COUNTER

#### Product Code

**RSE-572A1**

### RSE-573 : TABLET DISSOLUTION RATE TEST EQUIPMENT

#### Product Code

**RSE-573A1** Single Test Unit

**RSE-573A2** Single Test Unit (Fitted with Digital RPM meter)

**RSE-573A3** Three Test Unit (Fitted with Digital RPM meter) and Micro Process Temperature Control. & automatic lifting

**RSE-573A4** Six Test Unit (Fitted with Digital RPM meter) and Micro Process Temperature Control & automatic lifting



RSE-572

### RSE-574 : TABLET DISINTEGRATION TEST MACHINE (I.P. STD. 1985)

(As per I.P. Third edition 1985)

Available in SINGLE BASKET ,TWO BASKET. Used for determination of disintegration of time of Tablets. The test equipment consist of 1 litre Beaker, tablet can be tested simultaneously through motorized shaft moves up and down direction of 28 to 32 R.P.M approx.; carrying a rigid basket rack assembly. On the upper end of the shaft is fitted a horizontal strip to support cylindrical standard size glass tubes with stainless steel wire gauge bottom. Cylindrical basket moves up and down with standard perforated made of acrylic sheet inside in one litre glass beaker of distilled water. Unit having hot plate rating 65 watts fixed on the top for BEAKER .

Temperature can be maintained by thermostat in between 35 C to 37 C .



RSE-573



# RISING SUN ENTERPRISES

## Complete Laboratory Solutions

### Product Code

**RSE-574A1** Single Basket

**RSE-574A2** Double Basket

### Optional Accessories

**RSE-574OA21** Digital Time Totalizer

**RSE-574OA2** Spare Basket



**RSE-574**

### RSE-575 : FRIABILITY TEST EQUIPMENT

Used for tablets to determine the durability at the time of production. A transparent plastic perspex drum with cover also a shaped radial fixed blade which carries the tablets along with it upto the central height and lets them off while the drum is rotating, thus the tablet rub against each other without any hard impact. The drum rotates at a fixed speed of 30 RPM by a geared motor. The rotation period is determined by a Electric Timer. Tablets are weighed before and after the test and the difference in weight for a particular time period indicating the rate of abrasion. Complete with Electric Timer with neon indicators fitted on a panel.

**RSE-575A1** Single Drum

**RSE-575A2** Double Drum

### Optional Accessories

**RSE-575OA1** Digital Revolving Counter

**RSE-575OA2** Spare Drum



**RSE-575**

### RSE-576 : TABLET HARDNESS TESTER (MONSANTO TYPE)

The tester provides quick readings of Hardness of Tablets and measures hardness in Kg per sq. cm. It is made using brass parts, which are heavily plated with chromium has a scale of 0-20 kg. per sq. cm. with each division.

### RSE-576 (A) :TABLET HARDNESS TESTER (PFIZER TYPE)

A handy, tough and direct dial reading type tablet hardness tester, working as pair of plairs, generates breaking force in single grip. The instrument offers accurate and reproducible results much faster other conventional hardness testers.

### Specifications :

- ◆ Accuracy:  $\pm 0.2$  Kg
- ◆ Least Count: 0.2 Kg
- ◆ Safe Testing Force: 20 Kg
- ◆ Maximum Tablet Diameter: 25mm



**RSE-576**

### RSE-577 : CAPSULE FILLING MACHINE (100 Holes for filling 100 capsules)

The equipment is simple to operate, and gives negligible rejections, with no weight variations. It is ideal for R&D as well as large scale operations. The loading tray filled with empty capsules is placed on the unit and the cam handle is used to separate the cap from the body. Powder is then filled with the help of a tray and scraper and the pin plate is used to compress it. A lever provided locks the cap and body of the filled capsules. This equipment has an output of 55,000 to 60,000 capsules per 8-hour shift depending on operator skill.

### SALIENT FEATURES

- ◆ Sturdy and easily movable.
- ◆ Can be easily dismantled and reassembled



**RSE-577**

### RSE-578 : COLLAPSIBLE TUBE FILLING MACHINE (Hand Operated)

Suitable to fill ointment or cream in the range of 0 gms. to 90 gms. , per stroke. The unit is hand operated.



**RSE-578**



# RISING SUN ENTERPRISES

## Complete Laboratory Solutions

The unit is supplied complete with S.S. Hopper made out of S.S. 304 q. 16 g. having 15 ltrs. capacity complete with lid and 3 Nos. of Standard Nozzles.

Same as above but suitable to fill 10 gms. to 150 gms.

Extra for GMP Standard i.e. outside body is also made out of S.S. Same as above item No. (i.e. 5gms. to 9 gms.) but motorized model driven by means of 0.5 HP, 1440 RPM, 3 Ph., 50 Cycles A.C. Operated Motor through a suitable oil filled worm gear box. The whole unit is covered with M.S. with S.S. top.

Same as above item No. (i.e. 10gms. to 150 gms.)

Extra for GMP Standard i.e. outside body is also made out of S.S

### RSE-580 : SUPPOSITORY MOULD

Product Code	RSE-580A1	RSE-580A2	RSE-580A3	RSE-580A4
	4 Holes	6 Holes	8 Holes	12 Holes



RSE-580

### RSE-581 : TABLET COATING PAN WITH HOT AIR BLOWER 12" DIA

The machine fitted with gear box 1/2 H.P. electric Motor to work by Oil immersed gear box. Air blower is operated independently. An energy regulator is provided to control temperature from 5 deg.C above room temperature to 70 deg. C approx. Punch having switch for motor blower heat with neon indicator to work on 220 Volts.

#### Product Code

RSE-581A1

#### Optional:

RSE-5810A1 Polishing pan (12" dia) only for use with above unit)



RSE-581

### RSE-582 : TABLET POLISHING PAN (12" DIA) (WITH MOTOR)

With the help of our professionals, we have been able to offer our clients qualitative polishing pan.

#### Specifications :

- ◆ Unit can be easily mounted on the mount arrangement of coating pan.
- ◆ GMP Model\*: body of the machine clad with st. Steel sheet

### RSE-583 : CONICAL PERCOLATOR WITH STAND

Product Code	RSE-583A1	RSE-583A2
Capacity	500 ml.	1 litre



RSE-583

### RSE-584 : AMPOULE CLARITY TEST EQUIPMENT

Our range of Ampoule Clarity Test Sets is widely appreciated by our clients which are situated all round the nation. Milky white and black screen fitted on a base board with diffused light arrangement overall dimensions are 23"x15"x18" high. A stainless upright with adjustable slide arm with clamp magnifier, main cord and plug

#### Product Code

RSE-584A1



RSE-584

### RSE-588 : TINCTURE PRESS

Product Code	Capacity
RSE-588A1	1/2 kg. (Contact parts of S.S.)
RSE-588A2	1 kg. (Contact parts of S.S.)



RSE-588

### RSE-589 : HAND GRINDING MILL (TABLE CLAMPING)

- ◆ For small grains, seeds and other dry materials, including grains, peas, beans, coffee, black pepper and other materials of similar size.
- ◆ Makes cornmeal, whole grain flour and animal feeds.
- ◆ Special long-life alloy grinding burrs.
- ◆ Adjustable for coarse to fine grinding.
- ◆ Hand operated.

#### Product Code

RSE-589A1



RSE-589





# RISING SUN ENTERPRISES

## Complete Laboratory Solutions

### RSE-596 : COMPARTMENT DRYER WITH TRAYS DIGI. TEMP CONTROLLER

Double walled construction on heavy iron angle, inner chamber made of Mild steel painted with temperature.

Resistant paint & outer finished with hammer tone paint. Insulation is done by glass wool. Temperature range 50 °C to 200 °C controlled by Electronic Digital Temperature indicator Cum Controller with an accuracy of  $\pm 2$  °C. Air circulation is provided by heavy duty powder with ON / OFF switch indicator ventilation are provided on the top of Oven. Supplied with other accessories but without trays. Main supply 1 phases 220 Volt.

**Product Code**  
**RSE-596A1**



RSE-596

### RSE-603 : STUDENT ORGAN BATH THERMOSTATIC

(Thermostatically controlled) The Perspex organ bath with thermostatic temperature controlled has been designed mainly for students experiments with smooth muscle etc. The bath size 8"x4"x5" with leak proof dovetailed joints, and rests on Stainless Steel/Metal supports. Capacity of jar approximately 3/4 liters. Supplied with Uprights, organ & Oxygen tubes with platinum tip, frontal lever from SS capillary tubing

**Product Code**  
**RSE-603A1**



RSE-603

### RSE-604 : DOUBLE UNIT ISOLATED ORGAN BATH THERMOSTATIC

A Perspex organ bath with fine thermostatic temp control, electric stirrer and complete set of accessories, making it a versatile unit for all research work. Bath 12"x9"x8", with leak proof dovetailed joints, resting in sturdy metal frame; top of the bath carries a 1"x3/8" thick band, for fixing accessories, inside the bath is a metal sheathed heating element (easily replaceable), controlled by means of a fine adjustable thermostat with sensitivity + 10C. The stirrer unit is completely independent and dips in the bath in one corner, fixing on its special stainless steel upright. AMS junction box is fitted to the bath frame, and carries all the electrical leads and connections, two pilot lamps indicate functioning of the thermostat and stirrer. Standard components are :

**Product Code**  
**RSE-604A1**

- Double set of glass inner vessels
- Oxygen tubes
- Warming coils
- Two SS capillary levers
- Four SS uprights with boss heads
- Xblocks

#### Accessories or Spares for Student Organ Bath

- Organ tube for single unit organ bath
- Organ tube for two unit organ bath with side tube
- Warming coil



RSE-604

### RSE-607 : ASEPTIC CABINET

Product Code	RSE-607A1	RSE-607A2
SIZE :	2 X 2"	3 X 2"

### RSE-608 : ASEPTIC CABINET With Small Tube :

Size 95x50x50 cms with sloping front. Acrylic sheet front and side doors (full visible Transparent) 3' germicidal ultraviolet tube and 2' fluorescent tube for white light with necessary choke blast, starter and switches fitted. Also main lead and plug provided. Two holes with rings and sieves for insertion of arms provided.

Product Code	Size
RSE-608A1	95x50x50 cms fitted with small tube



RSE-607

### RSE-617 : ROTA ROD APPRATUS (DIGITAL)

Product Code	RSE-617A1	RSE-617A2	RSE-617A3
SIZE :	2TEST	3TEST	4TEST



RSE-617



Rotarod Apparatus engineered by our company comes with digital counter for recording muscle tone, neuro proximity, motor co-ordination in mice and rat, balance, etc. Rota Road Apparatus provided by us consists of compartments that can be two, three or four with 75mm width of each compartment. This Rota rod apparatus possess a rotating road of 25mm diameter with the speed of 5, 10, 15, 20 and 25 rpm. Every compartment of these apparatuses has in built time interval counter. We offer two compartment, three compartment and four compartment Rota Rod apparatus. Today, we are regarded as one of the eminent Digital Rotarod Apparatus Manufacturers. Rota Road Apparatus – Latest with Digital Counter for determining neuro-pixicity, muscle tone, balance and motor co-ordination in rats and mice. Consisting of two or three or four compartments of 75 mm width each with a rotating rod of 25 mm diameter having speed of 5,10,15,20 and 25 rpm with time interval counters in each compartment.

- a) Two Compartment
- b) Three Compartment
- c) Four Compartment

**Features**

- a) Sturdy M.S. frame covered with powder coating gives a fine look to apparatus.
- b) Digital timer control panel.
- c) Driven by a D.C. drive in variable speed to the apparatus.
- d) The compartment is divided by a transparent acrylic sheet.

**Product Code      Optional Accessories**

**RSE-6170A1**      RPM Meter Digital

**RSE-638 : SPIROMETER**

**Product Code**

**RSE-638A1**

**RSE-639 : HEMOCYTOMETER**

The hemocytometer or haemocytometer is a device originally designed for the counting of blood cells. It is now also used to count other types of cells as well as other microscopic particles.

**Product Code**

**RSE-639A1**

**RSE-640 : HEMOMETER**

It is an instrument which is used to count the number of cells in blood (Blood count). This also used to measure the microscopic substances (Bacteria, Conidia and cells) present in a given volume of sample.

**Product Code**

**RSE-640A1**

**RSE-644 : COOK'S POLE CLIMBING APPARATUS**

For the study of pole jump (avoidance) response

**Product Code**

**RSE-644A1**

**RSE-651 : STUDENT RECORDING DRUM (E/8)**

Electrical e-8 student kymograph with special heavy duty motor, oil lapped gear systems, speeds from 0. 12 mm/sec to 640 mm/sec, in 8 steps, jerk free running, instantaneous start & stop clutch. Stainless steel spindle with screw lift 15 x 15cm cylinder with levelling screws, pilot lamp, plug & cord.

**Product Code**

**RSE-651A1**

**RSE-652 : BULK DENSITY APPARATUS (DIGITAL)**

**Description/ Specification of Digital Bulk Density Apparatus**

Our range of Digital Bulk Density Apparatus is specially designed to meet the requirements of IP/USP Standards. Bulk Density Apparatus can hold two cylinders, capacity: 50 / 250 ml. The mechanism provides simultaneously rotating and tapping motion to the cylinders for packing the sample under test evenly and uniformly together.

**Product Code**

**RSE-652A1**

**Specifications**

Digital Counter Controller	: 999 Counts	Power Consumption	: Ac/230 Volts/Single Phase
Count Display	: 3 Digit Led	Cylinder Available	: 50 ML, 100 ML, 250 ML In Round Base



**RSE-639**



**RSE-644**



**RSE-651**



**RSE-652**



# RISING SUN ENTERPRISES

## Complete Laboratory Solutions

### RSE-653 : ANALGESIOMETER

#### Product Code

**RSE-653A1** : Eddy's Hot Plate Type

**RSE-653A2** : Tail Flick Method (Radiant Heat Type)

### RSE-654: VENTURI METER

#### Product Code

**RSE-654A1**

### RSE-655 : MENO METER

#### Product Code

**RSE-655A1**

### RSE-656 : REYNOLDS APPRATUS

#### Product Code

**RSE-656A1**

### RSE-657: ORIFICE METER

#### Product Code

**RSE-657A1**

### RSE-658 : DOUBLE CONE BLENDER 5 kg.

Available with us is a wide range of Cone Blender which is available in 5 to 50 kg. These are used to receive accurate results in blending and grinding material. Our blenders works efficiently and consumes less energy, due to which these are extensively demanded in the market

#### Product Code

**RSE-658A1**

### RSE-659 : POUR POINT APPARATUS

Cloud and Pour Point Apparatus

(IP 15, ASTM-D97/57 and IS 1448-1970)

Cloud & Pour Point Apparatus Single test

Cloud & Pour Point Apparatus single test with insulated body.

This is made as specified by IP-15, ASTM-D-97/57 & IS-1448-1970. The Pour point is the lowest temperature at which the oil will just fail to flow. The apparatus consists of main cooling bath made of stainless steel sheet and stand unit with drain plug and cover with provision for fitting thermometer and filling aperture for adding freezing mixture.

#### Product Code

**RSE-659A1**

### RSE-660 : HAUGEMAN GAUGE 0-100 Micron

Stainless steel gauges for measuring variation in fineness.

Graduations in microns , North or Hegman.

Capacity 0-25m, 0-50 m, 0-100 m

#### Product Code

**RSE-660A1**

### RSE-661 : CARBON & SULPHUR APPARATUS

Substantial saving of time & advantage of cheapness through saving of power & costly chemicals. The determination of Carbon and sulphur contents in iron and steel has become an absolute necessity for all iron processing plants, foundries etc. There is a substantial saving of time, as in a short time, both carbon and sulphur can be determined in one action. The dual determined in one action. The dual determination is excellently suitable for Routine analysis.

#### Product Code

**RSE-661A1**

### RSE-662 : ANTIBIOTIC ZONE READER

The antibiotic zone reader instruments are acknowledged for their unique design and has the ability to measure diameter of the inhibited zone up to 0.1 mm within the range of 0 to 35 mm. A light from a particular source in the base passes up through the transparent and semi transparent portion of the agar.-agar, then to a reflecting mirror affirmed by an arm above the unit. The unit is suitable for operation on 230 V, 50 Hz, Single phase AC Supply.

#### Product Code

**RSE-662A1**



RSE-658



RSE-659



RSE-660



RSE-661



RSE-662



# RISING SUN ENTERPRISES

## Complete Laboratory Solutions

### RSE-662A : ANTIBIOTIC ZONE READER (DIGITAL)

Product Code  
RSE-662A1



RSE-662

### RSE-663 : ORBITAL INCUBATOR SHAKER

Double walled construction. Outer body made of Mild Steel duly Powder Coated for longer durability. Inner chamber made of Stainless Steel with ribs to hold trays. Shaking platform also made of S. Steel accommodate 16 Flask of 250 ml.(or as per requirement) capacity. Temperature controlled by Digital Temp. Controller cum Indicator from 5 to 70 °C, with an accuracy of  $\pm 0.5$  °C or Better. Temperature below ambient is maintained by a hermetically sealed compressor with complete unit placed beneath the chamber. Shaking speed can be controlled by digital Speed Regulator. A Stainless steel perforated tray is also provided for the use of upper portion of the chamber as a simple B.O.D. Incubator. An illumination lamp is also provided inside the chamber. Suitable to work on 220 /230 V, 50 Hz.

Single Phase AC supply with digital RPM meter.

Product Code	Size	Capacity
RSE-663A1	455 X 610 X 400 MM (4 QB FEET)	(9 FLASK) (250 ml)
RSE-663A2	505 X 830 X 415 MM (6 QB FEET)	(9 FLASK) (500 ml)
RSE-663A3	570 X 875 X 550 MM (10 QB FEET)	(16 FLASK) (500 ml)

#### Optional Accessories

- RSE-663OA1 Programmable Timer.
- RSE-663OA2 Illumination with 4 numbers of 60 cm. Fluorescent tubes.
- RSE-663OA3 Spare platform to accommodate other cap. of Flask
- RSE-663OA4 Voltage Stabilizer



RSE-663

### RSE-663 A: ORBITAL INCUBATOR SHAKER (HEATING)

- ◆ With variable speed and Digital Temperature Controller.
- ◆ Inner Stainless Steel with Acrylic Hood for 16 Flasks (As per requirement).
- ◆ Temperature range ambient to 70° C.
- ◆ Specially designed to hold 12 Flask of 250 ml/ 8 Flasks of 500ml. / 5 Flasks of 1 ltr. 250ml (16Flasks)

#### Product Code

RSE-663A4

#### Optional Accessories

- RSE-663OA5 Digital RPM Motor.

### RSE-664 : TENSILE TESTING MACHINES

Tensile Testers are electrically operated machines for testing tensile strength and elongation of materials like plywood, wires, cables, conductors, ferrous and non-ferrous materials.

Tensile Testers are manufactured in various capacities and tests can be conducted on these machines by simply incorporating appropriate traverse speeds and using suitable grips in conformity with the adopted BIS, BS, ASTM, DIN and ISO standards.

Product Code	RSE-664A1	RSE-664A2	RSE-664A3	RSE-664A4	RSE-664A5	RSE-664A6
Capacity	100 Kg	250 Kg	500 Kg	1 Ton	2.5 Ton	5 Ton

Product Code	RSE-664A7	RSE-664A8	RSE-664A9	RSE-664A10	RSE-664A11	RSE-664A12
Capacity	100 Kg	250 Kg	500 Kg	1 Ton	2.5 Ton	5 Ton

#### DIGITAL :



RSE-664

### RSE-665 : BURSTING STRENGTH TESTER

- ◆ Bright LCD display of reading with peak hold facility.
- ◆ Load Capacity - 40kg/cm<sup>2</sup> (or as per your requirement).
- ◆ Display resolution - 0.01kg/cm<sup>2</sup>.
- ◆ Microprocessor based model with port facility also available on request.
- ◆ Various measuring capacity according to the requirements are available for greater accuracy.
- ◆ Pump Flow Rate - 95±5 ml/min for Paper, 170±15 ml/min.

#### Product Code

#### RSE-665A1

- ◆ Board Measuring Range : 0-20 kg/cm<sup>2</sup> for paper and 0-40 kg/cm<sup>2</sup> for Board or 40 kg or as per your requirement Fully electronics Controlled, paper & Board Range Controlled by Electronic Sensor Based.
- ◆ Least Count : 0.1 kg/cm<sup>2</sup> Accuracy : ±1% of Read Out Value.

**Accessories :** 1 No Diaphragm, 1 No Aluminium foil for calibration, 1 No Spanner(Key), 1 No power cable, 1 bottle Oil.



RSE-665

### RSE-666 : ULTRA SONIC CLEANER

Ultrasonic energy is produced in the solvent by transducers, which convert electrical energy to high frequency inaudible sound waves. The pulsating effect of the ultrasonic sound waves cause rapid formation and collapse of tiny bubbles-cavitations which produce a highly effective scrubbing action on the part. The transducers are shaped to focus sound waves, and parts to be cleaned are passed through the area of focal intensity, either manually or by conveyor.

Product Code	SIZES	CAP.	IMPORTED	Product Code	SIZES	CAP.	INDIAN
RSE-666A1	8"X3"X3" (H)	1.3 LTR.		RSE-666A5	8"X3"X3" (H)	1.3 LTR.	
RSE-666A2	8"X4"X4" (H)	2 LTR.		RSE-666A6	8"X4"X4" (H)	2 LTR.	
RSE-666A3	9"X6"X4" (H)	3.3 LTR.		RSE-666A7	9"X6"X4" (H)	3.3 LTR.	
RSE-666A4	12"X6"X6"(H)	6.5 LTR.		RSE-666A8	12"X6"X6"(H)	6.5 LTR.	



RSE-666

### RSE-667 : KINEMATIC VISCOMETER BATH

This Viscometer bath is used to maintain the correct constant temperature for estimating Kinematic Viscosity of Oil, Bitumin and Petroleum Products in this type of Bath various viscometer may be fixed as an internal part of the bath. The bath is round jointless Inside tank is made of Borosil glass covered with S.S. Body. The bath is controlled by an MicroprocessorDigital Temperature Controller cum indicator. Temperature Range 5 °C above ambient to 150 °C-0.1°C. Stirring is done by a DC electric motor stirrer. Heating is done by means of tubler type heater fitted on top of the bath with light arrangement. It is supplied without viscometer tube holders . Kinematic Viscometer Bath chamber size : 8" x 12" deep to accommodate 3 Viscometer.

#### Product Code

#### RSE-667A1

#### Optional Accessories

RSE-667OA1 Holder for viscometer



RSE-667

### RSE-669 : STUDENT MICROSCOPE (DELUXE MODEL)

Triple revolving nose piece, horse shoe base, separate coarse and fine motion. Knobs, having stopper for slide safety. Achromatic Objectives (10 x and 45 x) Eye pieces (10 x and 45 x) Fitted with fixed sub stage condenser NA 1.2 and iris diaphragm moving up and down with rack And pinion. Nicely packed in wooden box.

#### Product Code

#### RSE-669A1



RSE-669

### RSE-671 : JUNIOR MEDICAL MICROSCOPE

Triple revolving nose piece with horse shoe base and separate coarse and fine motion knobs having stopper for slide safety Achromatic Objectives (10 x and 45 x) Hygienic Eye pieces (10 x and 15 x) Fitted with substage condenser NA 1.2 and iris diaphragm moving up and down with rack and pinion with graduated slow motion reading to 0.002 m.m. Nicely packed in wooden box.

#### Product Code

#### RSE-671A1

RSE-671A2 -do- same as above but with an additional WIDE FIELD 10 x eye piece.



RSE-671



# RISING SUN ENTERPRISES

## Complete Laboratory Solutions

### RSE-672 : SENIOR RESEARCH MEDICAL MICROSCOPE

Triple revolving nose piece with horse shoe base and separate coarse and fine motion knob. With precise graduated slow motion reading to 0.002 mm. It has rack and pinion motion of the condenser unit NA 1.2 and detachable mechanical stage. Achromatic Objectives (10x, 45x, and 100x) Huygenian Eye pieces (10x and 15x) Packed in wooden box.

**Product Code**

**RSE-672A1**



RSE-672

### RSE-673 : PATHOLOGICAL RESEARCH MICROSCOPE

Consists of "Graduated straight draw tube" inclinable through 90° with separate coarse motion and graduated fine motion knobs. Quadruple revolving nose piece with click stop. Fixed square stage 120 x 120 mm with co-axial mechanical stage. Condenser:- Abbe NA-1.3 with Iris diaphragm Focussing up and down by rack and pinion. Achromatic Objective (5x, 10x, 45x and 100x) Huygenian Eye pieces (5x, 10x and 10x(WF)) Nicely packed in wooden box .

**Product Code**

**RSE-673A1**

**RSE-673A2** -do- but with "IMPORTED" 100x lens (Mounted in India)



RSE-673

### RSE-674 : MONOCULAR INCLINED RESEARCH MICROSCOPE

A rigid & heavy stand for perfect stability on horse shoe base with one observation tube inclined at 45° & rotatable in 360° with perfectly centered quadruple revolving nose piece, fixed stage with precision. Co-Axial Mechanical stage with graduated scale & vernier on both sides fitted with substage bright field condenser NA 1.3 Achromatic objectives (5x, 10x, 45x & 100x) Huygenian Eye pieces (H5x & WF10x) .

**Product Code**

**RSE-674A1** Supplied in wooden cabinet.

**RSE-674A2** Same as Above but with built in illumination system at base

**RSE-674A3** "Imported" 100x lens (Mounted in India) in lieu of 100x objective extra



RSE-674

### RSE-675 : BINOCULAR RESEARCH MICROSCOPE

Heaving heavy duty ball bearings quadruple revolving nosepiece. Fixed stage with precision mechanical stage for x and y movement of slide upto 50 x 75 mm. Built in base HALOGEN ILLUMINATION system 6V-20W, electrical system and regulator, also provided with plans, concave reflecting mirror attachment for day light use. Achromatic objectives (5x, 10x, 45x, and 100x) Eye Pieces (5x, 10x) Supplied in wooden/Thermaoal Cabinet.

**Product Code**

**RSE-675A1**



RSE-675

### RSE-676 : TRINOCULAR RESEARCH MICROSCOPE

Detail same as RSE-618,

**Product Code**

**RSE-676A1** BUT WITH TRINOCULAR HEAD

**RSE-676A2** -do- but with built in illumination system at base

**RSE-676A3** "IMPORTED" 100x lens (mounted in India) in lieu of 100x objective



RSE-676

### RSE-677 : INVERTED BINOCULAR TISSUE CULTURE MICROSCOPE

Inverted binocular Microscope for tissue culture examination having coarse and fine adjustment, incident lamp with variable light control arrangement, straight tube for photomicrography, with long working distance objectives and binocular head, complete with following optics in box. Objectives (5x, 10x 20x 40x) Wide Field Eye pieces (10 x (Paired)

**Product Code**

**RSE-677A1**

**RSE-677A2** -do- but with trinocular head



RSE-677

### RSE-678 : STUDENT METALLURGICAL MICROSCOPE

Monocular inclinable body having coarse and fine motions. Bright field horizontal illuminator with iris diaphragm and slots for dropping filter. Triple revolving nose piece fitted with variable light control transformer objective (M5x, M10x, and M45x) Eye pieces (5x, 10x and 15x)

**Product Code**

**RSE-678A1**



RSE-678

### RSE-680 : BINOCULAR METALLURGICAL MICROSCOPE

Fitted with binocular head (assembled from imported prism) Bright field horizontal illuminator with centering provision. Quadruple revolving nosepiece, straight tube for photomicrography. Special Graduated mechanical stage, supplied with variable light control transformer and following optics in box. Objective (M10x and 45x)

**Product Code**

**RSE-680A1** Eyepieces (10x and 15x)



RSE-680



# RISING SUN ENTERPRISES

## Complete Laboratory Solutions

### RSE-681 : INVERTED METALLURGICAL BINOCULAR MICROSCOPE

A latest binocular inverted metallurgical microscope equipped with horizontal illuminator with centering provision, field aperture diaphragm and slots for dropping filters. Built in base variable solid state transformer, Large sturdy stage with x-y axis movements coarse and fine focussing knobs, supplied with two coloured filters in metal mount, wooden base stand with drawer and having following optical combination. Eye pieces (WF 10x (Paired)) Objectives (M5x, M10x, M20x, M40x)

**Product Code**

**RSE-681A1**



**RSE-681**

### RSE-682 : PROFILE PROJECTOR

Having 200 mm dia rotatable radiate screen & triple revolving nose piece with turret type lens mount. Halogen bulb 12v-100w with variable light control built in transformer workable on 220V A.C. Main. Rotary measuring stage equipped with micrometer head with least count 0.005 mm. Total magnification (20x to 80x Accuracy + 0.1%) with objectives.

**Product Code**

**RSE-682A1**



**RSE-682**

### RSE-684 : DISSECTING MICROSCOPE (DELUXE MODEL)

This a deluxe model with all brass parts and fitted with Bull eye lens 80 mm dia and 10x and 20x achromatic eye piece. Packed in plywood box.

**Product Code**

**RSE-684A1**



**RSE-684**

### RSE-685 : STUDENT PROJECTION MICROSCOPE

Having 12volts 100 watts Halogen projection bulb workable on 220 volts Ac mains with triple Revolving nose piece, 160 mm dia, built in screen giving magnification

**Product Code**

**RSE-685A1** 40 x to x 400x, complete with 5 x, 10 x and 20 x lens.



**RSE-685**

### RSE-686 : MICROSCOPE ACCESSORIES

**Product Code**

**RSE-686A1** Camera lucida (Prism type) "RISING SUN"

**RSE-686A2** Camera lucida (Mirror type) "RISING SUN"

**RSE-686A3** Double demonstration Eye piece "RISING SUN"

**RSE-686A4** Occular Micrometer "ERMA"

**RSE-686A5** Stage Micrometer "ERMA"

### RSE-687 : ELECTRICAL BALANCE SINGLE PAN

It works on the principle of substitution of weights and has a special allow casted beam with magnetic damping device. Fitted with a heavy duty step down transformer to work in 220/230volts. A.C. supply.

Product Code	Capacity	Optical Scale	Sensitivity	Price
RSE-687A1	200g	1000g	0.1mg	



**RSE-687**

### RSE-688 : CHAINOMATIC ANALYTICAL BALANCE

It eliminates the use of fractional weights. These units are provided with air damping device

Product Code	Capacity	Sensitivity	Price
RSE-688A1	200g	1mg	



**RSE-688**



# RISING SUN ENTERPRISES

## Complete Laboratory Solutions

### RSE-689 : LABORATORY DOUBLE PAN BALANCES

Product Code	Description	Capacity	Sensitivity	Price
RSE-689A1	Analytical Balance	200g	1mg	
RSE-689A2	Chemical Balance	200g	2mg	
RSE-689A3	Physical Balance	200g	10mg	



RSE-689

### RSE-690 : ANALYTICAL WEIGHT BOX (BRASS C.P.)

Product Code	Capacity	Brass	S.Steel
RSE-690A1	1 mg to 100 g (21 pcs.)	1000.00	
RSE-690A2	1 mg to 200 g (22 pcs.)	2000.00	



RSE-690

### RSE-691 : ELECTRONIC BALANCES TOP LOADING DIGITAL PRECISION WEIGHING SERIES

Product Code	Capacity	Accuracy	Platters Size	Display	Rates
RSE-691A1	220gm	0.0001 gm(0.1 mg)	80	LCD	
RSE-691A2	200 gm.	0.001 gm (1mg)	110 mm dia	LCD	
RSE-691A3	300 gm.	0.001 gm (1mg)	110 mm dia	LCD	
RSE-691A4	300 gm.	0.005 gm (5mg)	116 mm dia	LED	
RSE-691A5	300 gm.	0.01 gm (10 mg)	116 mm dia	LED	
RSE-691A6	600 gm.	0.01 gm (10 mg)	116 mm dia	LED	
RSE-691A7	1500 gm.	0.05 gm (50 mg)	210 x 290 mm	LED	
RSE-691A8	3 kg.	0.1 gm (100 mg)	210 x 290 mm	LED	
RSE-691A9	5 kg.	0.05 gm (50 mg)	210 x 290 mm	LED	
RSE-691A10	6 kg.	0.2 gm (200 mg)	210 x 290 mm	LED	
RSE-691A11	10 kg.	0.5 gm (500 mg)	210 x 290 mm	LED	
RSE-691A12	30 kg.	1 gm	210 x 290 mm	LED	



RSE-691

### PLATE FORM SCALE (WITH DUAL DISPLAY & BATTERY BACK UP)

RSE-691A13	60 kg.	5 gm.	400 x 400 mm	LED
RSE-691A14	150 kg.	10 gm.	500 x 500 mm	LED
RSE-691A15	300 kg.	20 gm.	500 x 600 mm	LED
RSE-691A16	500 kg.	50 gm.	550 x 600 mm	LED



PLATE FORM SCALE



# Terms & Conditions

- Actual product might differ from the photograph shown in this catalogue.
- All instruments/equipment are packed with at most care, under the able-supervision of trained staff, thus ensuring safe transit of goods upto the customer's destination. More over our responsibility ceases after handing over the packages to the carriers. Any claim for damages/shortage/transit loss Should be forwarded to the carriers.
- While placing the order all customers are requested to mention the catalogue no. of the instrument along with its price, mode of despatch (passenger train or other transport) bankers name and C.S.T./TIN No. Consignee address may please be mentioned, if despatch is to be made to places other then your city.
- For Dealers: 90% Advance payment should a company the supply order. balance will be drawn through any scheduled bank, against despatch documents.
- All equipment are supplied as per the details given in the catalogues, but due to company policy of continuous, development and improvement were serve the right against change or modify in design and construction with out notice. Hence the illustrations in the catalogue are not binding and may be changed with out prior notice or obligation.
- All carpentry, missionary or electrical job required for installation of the equipment will have to be got done by customer at his own cost.
- All equipments/instruments are covered with a warranty for a period of 12 months. The warranty does not cover glass parts, tubes, relay, bulbs, thermometer or failure due to mis handling, physical damage, improper use of the equipment.
- All disputes are subject to Gurgaon jurisdiction.
- All orders are booked against a delivery period of 1-4 weeks or earlier. How ever for any delay due to unavoidable circumstances, in executing the order, we will not be liable to pay for any damages.
- All instruments/equipment requiring personal installation and demonstration at site, by our trained staff, can be arranged against extra charges according to the distance.
- This price list supersedes all previous price list.
- Prices are ex- Gurgaon (Rising Sun Office), packing, forwarding, freight, insurance shall be charged extra.

**NOTE : We Reserve the right to supply the order in full or part.**



## **Rising Sun Enterprises**

**Office:** E-12, Basement, Block E, Ardee City - Sector 52, Gurgaon 122011

**Mobile No.** 8130740809, **Phn. No.** 0124-4388685

**Email :** risingsunenterprises1978@gmail.com

**Website :** www.risingsunenterprises.com

