



### **R.K. AUTOMATIC TISSUE PROCESSOR**

This model is specially designed and immaculately profiled. It effectively combines aesthetic appeal with functional utility. Most effective feature of the machine is that only Basket Rotor along with the single bakelite beaker cover lifts up to change the position on to the next stage of the processing cycle. All the other beakers remain covered during each change of stage, thus keeping the loss of alcohol/reagents to a minimal level due to evaporation.

#### **Technical Data:**

It progresses from its neutral stage, through dehydration stages to its final embedding in wax with 12 processing stage, quite elaborate methods can easily be employed for preparing tissues for histology. The last two stages are thermostatically controlled wax baths, programming the machine is very simple by cutting notches at desired timing intervals on the disc calibrated for 24 hrs. If used with single load head, 43 tissues can be processed for unequal immersion time and with double load head 86 tissues can be processed using the equal, immersion time. The delay timer for 24 hours is also provided for weekend and routine delay starting. Both the baskets keep rotating to ensure better penetration. All the beakers remain covered throughout evaporation. On completion of the cycle the unit automatically gets locked up to prevent double processing and the tissues remain embedded in the wax bath, until removed.

#### **Safety Device:**

The built-in safety device protects the tissues by not allowing them to shift from 10<sup>th</sup> to 11<sup>th</sup> or 11<sup>th</sup> to 12<sup>th</sup> stage in case the wax is not melted. It precludes any accident due to power failure or malfunctioning of the wax baths.

The equipment is supplied complete with 2 S.S. Basket Rotors, 2 S.S. Baskets, 6 S.S. Tissue capsules, 10 Borosil Glass Beakers without lip, 2 S.S. Wax Baths, 5 numbers of 24 hrs. calibrated metallic timing disc, one notch cutting plier.

Suitable to work on 220 V, single phase, 50 Hz, AC supply.

Considering the requirements of different individual users, the Model is available in different Capacities.



**R.K. ROTARY MICROTOME 522**

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## **R.K. Manual Microtome Imported Safe**

Latest cam system eliminates the conventional cord system for feeding, resulting in better section cutting and improved efficiency of the machine.

Fast release specimen clamping system. Section thickness settings from 0.5 to 60  $\mu\text{m}$ . Low maintenance and backlash-free micrometer feed system with prelubricated cross roller bearings for the vertical and advance stroke.

### **Instrument features**

- Ergonomically designed
- Mechanical high-precision specimen feed
- Backlash-free micrometer feed system in dust-proof housing
- Patented mass-balanced system to compensate gravitational forces
- Smoothly running handwheel with quick locking system
- Specimen retraction can be disengaged
- Totally enclosed housing
- Easy to service
- Low-maintenance microtome with cross roller bearings for vertical and horizontal specimen movement
- Quick release clamping system \*
- Simple changing of specimens
- Mechanical trimming function; at two steps (10  $\mu\text{m}$  and 30  $\mu\text{m}$ )\*
- Specimen orientation with anti-tilt feature \*
- Ergonomic hand rest \*
  - Knife holder base with lateral displacement feature \*

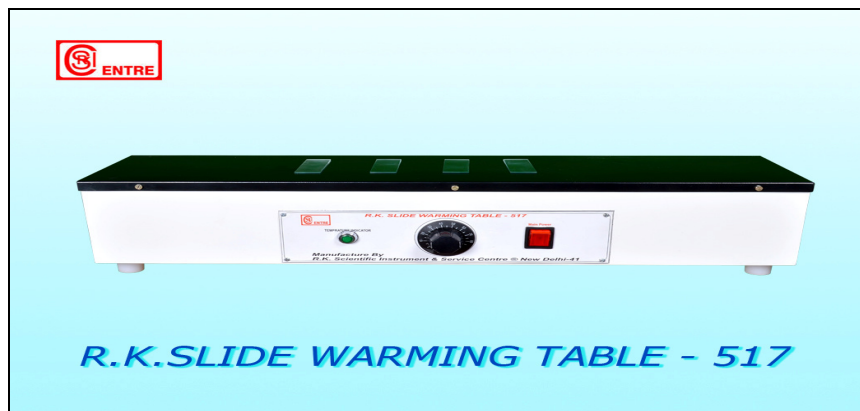


## R.K.TISSUE FLOTAION BATH ROUND SHAPE

Ideally suited for preparing distortion less and wrinkle free tissue specimen. Its round, double walled, single piece inner and outer chamber are made of aluminum, inside anodized black and outer surface finished in parrot green stoved enamel, with wide enough rim for drying the wet slides. Temperature is controlled by EGO/JUMO. German make capillary type thermostat, form ambient to 70°C with an accuracy of 2°C. supplied complete with pilot light, cord and.

Suitable to work on 220V, single phase, 50Hz, AC supply

<b>Chamber Size:</b>	<b>Dia</b>		<b>Depth</b>		<b>Rim</b>
	<b>225</b>	<b>x</b>	<b>70</b>	<b>x</b>	<b>40</b>



## SLIDE WARMING TABLE

For heating slides to a uniform temperature just below the melting point of wax to provide maximum flattening without damaging the section. Top plate is mounted on an insulated metal frame. It is fitted with Imported thermostat to control surface temperature from ambient to 70°C. A depression has been provided on the top surface to house a thermometer to indicate the surface temperature. Supplied complete with pilot light, cord and plug but without thermometer Suitable to work on 220 V, single phase, 50 Hz, AC supply



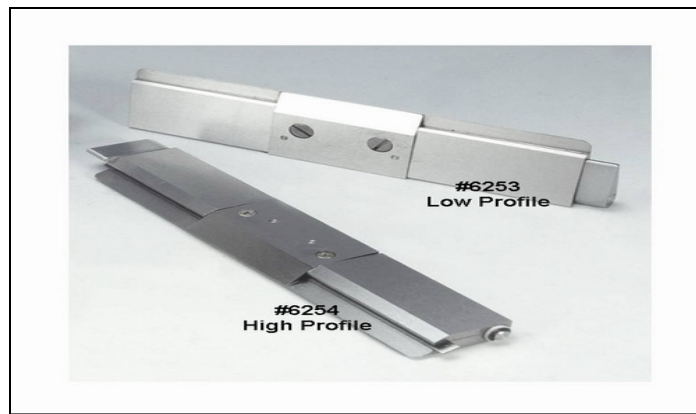
## **TISSUE FLOTATION WATER BATH DIGITAL - 518**

Flotation Bath model 518. The tissue flotation bath is a rectangular water bath designed with a surface ensuring high thermal conductivity rates and outstanding resistance to mechanical damage owing to its special plastic coating. Temperatures can be selected between ambient temperatures and 70 °C. Programmed as well as current temperatures are shown on a LED display while the selected temperature set value is memorized via a built-in battery backup system. To increase safety and reliability features an overheating protection sytem along with a stand-by mode. A flattening bath for paraffin sections with digital display and set value memory to stretch and flatten sectioned tissue specimens for all areas of biomedical research and routine histopathology diagnostics.

Suitable to work on 220V, single phase, 50Hz, AC supply

<b>Chamber Size:</b>	<b>Dia</b>		<b>Depth</b>		<b>Rim</b>
	<b>200x180</b>	<b>X</b>	<b>70</b>	<b>x</b>	<b>40</b>





### R.K. DISPOSABLE BLADE HOLDER

Are available HIGH PROFILE AND LOW PROFILE disposable blades which can be fixed on all types of micro tomes knives. There are manufactured to the profile of conventional knives. Blades are fed into the holder direct from the dispenser cassette and clamped in position by to screw.



### R.K. DESPOSABLE BLADE HOLDER FOR GROSSING

Two sturdy stainless steel with stainless steel cap and aluminum handles with trimming blade holder for two lengths of blades. Advanced design allows blades to be removed and replaced quickly and easily.



### **R.K. TISSUE PROCESSING SINGLE UNIT**

Compact model, suitable for use in small laboratories. Supplied with one S.S. Basket Rotor. One S.S tissue Basket, one S.S.Wax Bath, 12 S.S. Tissue Capsules

Suitable to work on 220 V, single phase.50 Hz, AC supply

**Capacities**

**2 Liter**



### R.K. PARAFFIN DISPENSER DIGITAL TEMPERATURE CONTROLLER

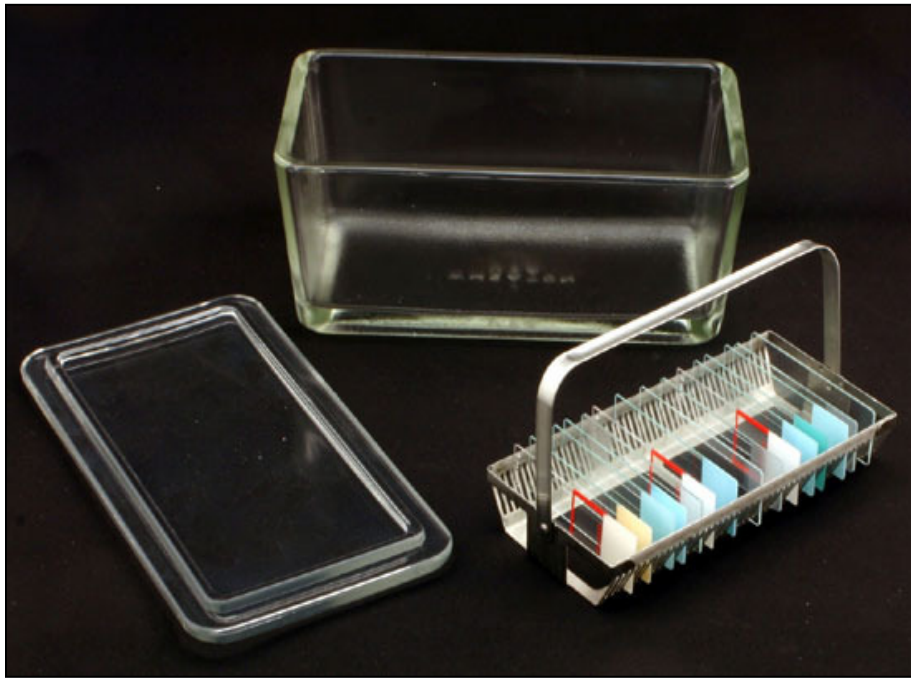
This has been made by latest technology and new design. Embedding can be done in this very quickly. On the top of this a S/S tank with double valve has been made for wax; the cap of which is 1 ½ Ltr. There are heating elements inside with cap 750 wt. which has been made by canthol wire. There is a Kok from inside to outside, with the help of which wax come out from inside. On the outside with the help of which wax come out from inside. On the outside of Kok heating elements have been fitted. There is a switch on the control panel which is switched on & off for only 7 minutes. After this wax began to come out from Kok and switched off a tank (1/2 Ltr.) of wax has been fitted on the working table. There is a control panel for controlling all these operations. Digital Temperature controller shows 80°C Temperature of main tank. There is a switch down side which makes digital on & off. Sun week fitted on control panel controls tank of wax on the working table at 80°C.

This Dispenser is rust proof.

Suitable to work on 220 V 2 Amp. Single phase 50 Hz AC supply.

This is measured by 23x13x12

The temperature of Dispenser can be done negative & positive (-, +)



### R.K. LABORATORY SLIDE CARRIER

Slide carrier made by stainless steel for safety of slide. Our slide carrier is unique in itself & it has been made in India for the first time. It has five sizes namely 30, 25, 20, 15 & 10. This slide carrier is very good for staining. In this slide is loaded in vertical position. There is a handle on the upper position of this slide with the help of handle loaded carrier is changed from one chemical lying in the turf to other. This is of rectangular size. Water & chemical drops do not remain in it.

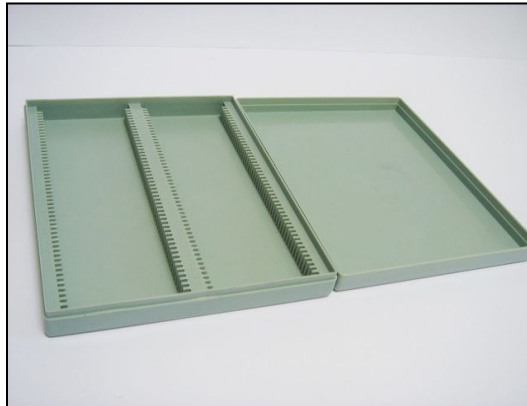
Moreover our product is certified by All India Institute of Medical Science, New Delhi. All Delhi Hospitals and Department of Pathology and all India.





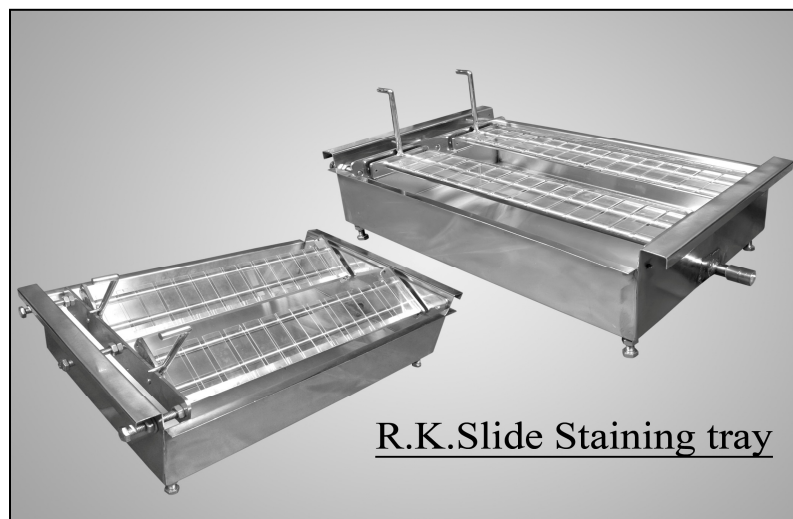
### **SLIDE TRAY (ALUMINIUM)**

Made Out Of 20 Cm SWG Aluminium Sheet By Dia-Press System And Is Richly Anodised. For 20 Slides Of 75x25 Mm In Flat Position



### **SLIDE BOX (PLASTIC)**

Plastic microscope slide box with numeric index can hold up to 100 slides.  
Size: 230x180mm



### **STAINING SLIDE RACKS**

staining slide racks are constructed of durable stainless steel with long rails. They hold up to 30 slides and fits sinks or trays up to stain, rinse, drain and dry quickly and easily



### AUTOMATIC WAX BATH

Made of Stainless Steel for Paraffin bath is double walled with built in heating element and EGO Thermostat to maintain constant temperature 50 to 65 deg. C. can also be used in independent unit for wax melting.



### R.K. MICROTOME KNIFE

These high quality microtome knives are excellent for soft tissue work embedded in paraffin or frozen materials. They produce outstanding section quality, and are long lasting  
Size: 120mm x 150mm



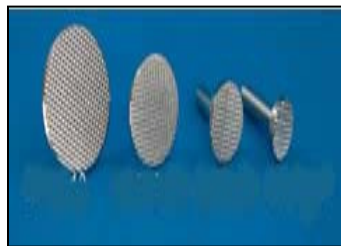
## R.K. Stainless Steel Base Molds

*For use with embedding rings*

Reusable. Stainless Steel. Embedding rings will fit all

Sizes. Available in 37mm, and 25mm, 20mm molds per case.

## R.K. BLOCK HOLDER



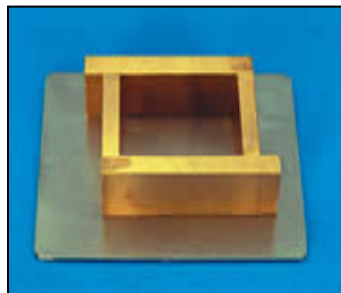
Made from Stainless Steel, Very convenient and simplified method for the preparation and taking of tissue section. Eliminates need for trimming of block

L × W × D

Size :- a. 16 × 16 × 12 mm

b. 22 × 22 × 12 mm

c. 32 × 25 × 12 mm



## R.K. L-Moulds: Embedding Moulds

Specimen Holder Used for holding the wax block for taking sections

On the microtome.

Sizes :- 37 × 25 × 15 mm pair

50 × 25 × 15 mm pair

75 × 30 × 19 mm pair



## Tissue Processing / Embedding Cassette with Cover made of acetal polymer

Cassettes keep specimen safely submerged in liquid. Efficient flow-through slots. Snap-latch and hinge-lock design prevent early separation of base and lid and allows for one hand operation. Large labeling area on two sides of cassette. Anterior writing area is at 35° angle.

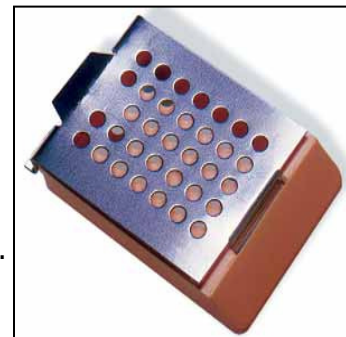
Outside dimensions: 28 x 34mm

Inside dimensions: 26 x 30 x 5mm

## Metal Process Cover

Stainless Steel lid for use in place of the plastic lid Cassettes.

Size: 28mm width (1.1"), 33.5mm length (1.35")



## Tissue Cassettes



### R.K.Tissue Processing / Embedding Cassette with Cover

Cassettes keep specimen safely submerged in liquid. Efficient flow-through slots. Snap-latch and hinge-lock design prevent early separation of base and lid and allows for one hand operation. Large labeling area on two sides of cassette. Anterior writing area is at 35° angle

## R.K.Embedding Rings



Embedding Rings are suitable for holding and identifying tissue sample blocks and fit well in microtome chuck adapters. The etched writing surface on the ring is marked with an identification number and placed on top of the sample block. Additional paraffin is poured into the base mold to cement the ring onto the tissue block. The embedding ring securely holds the tissue sample in the microtome chuck adapter for sectioning and then identifies the sample while in storage





### **R.K. SLIDE CABINET CLOSED PACKMANNER**

For keeping 75x75mm slide in vertical position one after the other of steel attractive spray finish. The cabinet has 480x75mm drawer and teas slide in vertical position. Each drawer moves in a slot and is completely removable for easy lifting. The cabinet accommodates maximum number of slide for optimum space utilization. Complete with lock and key.

#### **Available in following capacities**

Capacity (a) 25,000 Slides	80 Drawers
(B) 50,000 slides	160 Drawers



### **R.K. PROJECTOR SLIDE CABINET (Flat Manner)**

Projector Slides can be stored suitably in this cabinet Made of M.S. Sheets well designed for its appearance and durability. Enamel painted finish. Smoothly working door, fitted with handle, lock and key. Slide trays made of Anodized Aluminum have been arranged separately to avoid any disturbance to other trays, while taking out or putting in. The trays are fitted with uniformly slotted aluminum plates each holding. 50/100 slides and index card holder.

#### **Available in following capacities: –**

(2) 2000 slides

(3) 3000 slides

(4) 5000 slides: -



### **R.K. MICRO SLIDE CABINET (Horizontal Manner)**

For safe and easy handling of 75 × 25 mm slides. Made of mild steel sheet. Well designed for its appearance, performance and durability. Enamel paint outer finish with smoothly working doors fitted with handle, lock and key. The anodized aluminium slide strays for holding 75 × 25 mm slides, have been arranged separately so as not to disturb other compartments while taking out or putting in the slides. The usual size of the tray is 350 × 210 × 35 mm and is nicely fitted with uniformly slotted aluminium carrier in four rows, each holding 50 slides i.e. each tray hold 100/200 slides in horizontal position and is fitted with index and holder. Slide holding slotted rows are numbered 1 to 50 to identify the slides

**Available in following capacities: –**

- (3) 10,000 slides
- (4) 20,000 slides



## **R.K. BLOCK CABINET**

Block cabinet made of mild steel duty enamel painted the internal drawers are also of M/s duty enamel painted each drawer having 1 to 13 compartments with capacity of 25 block approximately index card folders and handles are provided on each drawer the cabinet has smooth two door opening for dust free storage handle on front panel with lock and key.

In this new block cabinet we are providing on additional drawers downside and have put 8 wheel rollers in its legs so that can be moved here & there.

### **Available in following capacities**

Capacity (a) 20,000 Blocks

65 Drawers





### **R.K. BLOCK CABINET (For Residual Blocks)**

Block Cabinet made of mild steel duly powder coated. The internal drawers are also made of M.S. duly powder coated. Each drawer having 4 to 8 compartments with capacity of 125 blocks approximately. Index card holder and handle are provided on each drawer. Handle has been provided on front panel. The cabinet has door for dust free storage & is provided with lock & key.

### **Available in following capacities**

Capacity (a) 20,000 Blocks

40 Drawers



### **R.K. SPACEMEN CABINET**

Spacemen cabinet made of mild M/s duty enamel painted the internal compartment are also of M/s duty enamel painted each compartment having 1 to 30 compartments with capacity of 6 container index card folders and handles are provided on each compartment the spacemen cabinet has smooth six door opening for dust free storage handle on front panel with lock and key.

We kept small pocket in this door small biopsy container provided

In addition to normal feature of Vertical Spacemen cabinet, it is provided with following unique features – gas, air or vacuum, hole is provided

In this new Spacemen cabinet we are providing on additional drawers downside and have put 8 wheel rollers in its legs so that can be moved here & there.

### **Available in following capacities**

Capacity (a)	180 container		30 compartment	
Size: -	Length	x	Width	x Height
	<b>177</b>	<b>x</b>	<b>20</b>	<b>x 72</b>



### R.K. GROSSING TABLE

These surgical pathology work stations are useful for examining surgical specimens. The contaminated air & formalin vapors from work table is sucked out by built-in blowers. Provided with lighting system, swivelled-magnifier, SS table, Sink & Tap, metric ruler, shelf, drawers and storage compartment under table, Towel/Tissue paper stand and waste bin. The working area sides are made from acrylic material. Widely used, as it is very convenient for "Grossing Work in Histopathology".

Working Area: – **L × W × H**  
4' × 3' × 3'  
6' × 3' × 3'  
5' × 2.5' × 3'

#### Optional Accessories

- Built in U.V. Germicidal Light
- Exhaust duct per running ft.



### R.K. INCUBATOR

**Construction:** - Incubator are sturdy, with double walled' construction with complete inner chamber made of anodized aluminum or highly polished stainless steel. Outer chamber is made of mild steel sheet, finished with powder coated paint. 75mm gap between the walls is filled with special grade glass wool for proper insulation and to avoid heat losses. Inner chamber fabricated with ribs for adjusting shelves to convenient height. Supplied with 2 removable shelves. SHELVES are made of fully anodized aluminum sheet as per chamber. Door is insulated & fitted with heavy hinges. Door has double glass window which facilitates inspection of samples without opening the door.

**Heating Element:**-heating elements are made of high grade nickel/chrome plate nichrome wire which are put inside the porcelain beads and placed at the bottom and side ribs for uniform temperature all over the space.

**Temperature Control:**- temperature is controlled by imported capillary type thermostat from ambient to 100°C. Temperature control knob is graduated in centigrade degrees after actually observing the temperature in steady state. An L-shaped prismatic glass thermometer is fitted on top of the incubator for reading the chamber temperature.

**Ventilation:**-Air ventilators are provided on both sides at top to flue away any gas or fumes.

**Control Panel:** - the equipment is provided with a panel having a thermostat control knob, ON/OFF switch and two pilot lamps.

**Power Requirement:**-Supplied with cord and plug suitable to operate on 220V single phase, 50 Hz, AC supply.

### Size of inner chamber:-

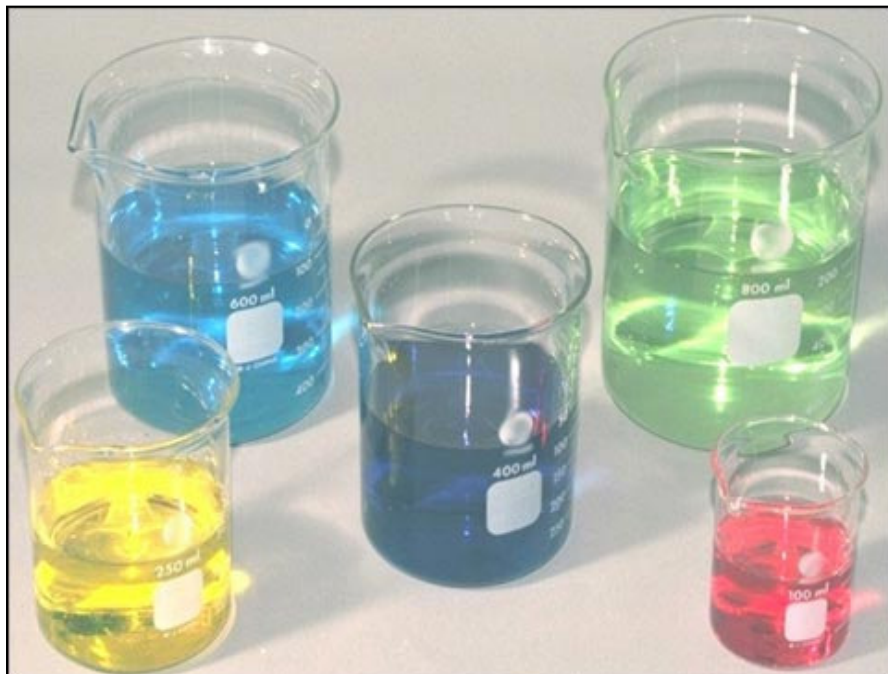
W	x	H	x	D
355	x	355	x	355mm – Stainless Steel
355	x	355	x	355mm – Aluminum





## TUBE RACKS

Both of these racks are Wasserman type racks for use with 2.5" tubes. Manufactured from heavy gage Aluminum with smooth edges and a 2 B finish with extended edges providing handles. These racks are built for heavy duty use



## R.K. Beakers for glass

High quality borosilicate glassware, made with uniformed walls, slightly flared with strengthened rim and easy pour spout. Double graduations in large white numbers, with large white marking spot. Borosilicate glass is heat resistant, so these beakers can be exposed to flame. [Watch glass](#) makes a handy lid for beakers to prevent evaporation or contamination.

Beaker, 50ml  
Beaker, 100ml  
Beaker, 250ml  
Beaker, 400ml  
Beaker, 600ml  
Beaker, 1000ml  
Beaker, 2000ml



## **R.K. Beakers for Plastic**

Polypropylene Beakers offer dependable chemical resistance in the laboratory. Durable and shatterproof, polypropylene also eliminates the breakage and waste associated with glass Beakers.

Beaker, 50ml  
Beaker, 100ml  
Beaker, 250ml  
Beaker, 400ml  
Beaker, 600ml  
Beaker, 1000ml  
Beaker, 2000ml



### **Centrifuge (Round)**

Modified version of medico centrifuge having better speeds and capacities fitted with resiliently mounted motor for vibration free performance and 5 step regulator.





### **R.K. Laminar Air Flow Horizontal**

Laminar Air Flow Cabinets provides a class 100 air flow in the work area for operations where products is of utmost importance. The unrestricted open front work area allows the use of equipment under biologically clean conditions.

**Application:** The Laminar Air Flow Cabinet is designed to provide a high degree of protection for process products In laboratories and production facilities. Many critical applications in the medical, pharmaceutical, nuclear-power, and micro electronic fields demand an ultra-clean work environment which is free from biological and particulate contamination.

**Operation:** Ambient Air is draw in through pre-filter and is introduced in the work zone through the HEPA filter. The average velocity in the work zone is maintained between 0.4 and 0.5 m/s. Air cleanliness in the work zone is better than class 3.5 (100) in accordance with US FED STD 209 E

**Construction:** The cabinets are fabricated out of thick board duly sunmica clad or mild steel cabinet duly epoxy coated. The work table is made of thick board which is sunmica clad at top or S. S Table top will be provided as optional accessories.

All joints are sealed with silastic sealant. Side panels are provided of thick transparent acrylic sheets. The unit is fitted with pre-filter and is made to pass through highly effective HEPA (High Efficiency Particular Air) filter having efficiency rating as high as 99.997% with hot, DOP, thus retaining all air-borne particles of size : 0.3 micron and larger.

Using a dynamic machine, the blower and motor assembly is statically and dynamically balanced. Blowers are mounted on vibration isolation mounts to minimize vibration. The working is illuminated by fluorescent lightings fitted to the unit. Height of the working table provides comfortable "Sit Down" working position for the operation to work on 220/230 volts AC. supply.

### Optional

- S. S Table Top.
- U. V Lights attachment
- Front Acrylic Door
- Gas/ Vacuum Cock
- Castor wheels at the Bottom

### Technical Specification

VERTICAL LAMINAR FLOW		HORIZONTAL LAMINAR FLOW	
MODEL	SIZE IN FT	MODEL	SIZE IN FT
	2X2		2X2
	3X2		3X2
	4X2		4X2



## **R.K. Rotary Microtome Imported Safe**

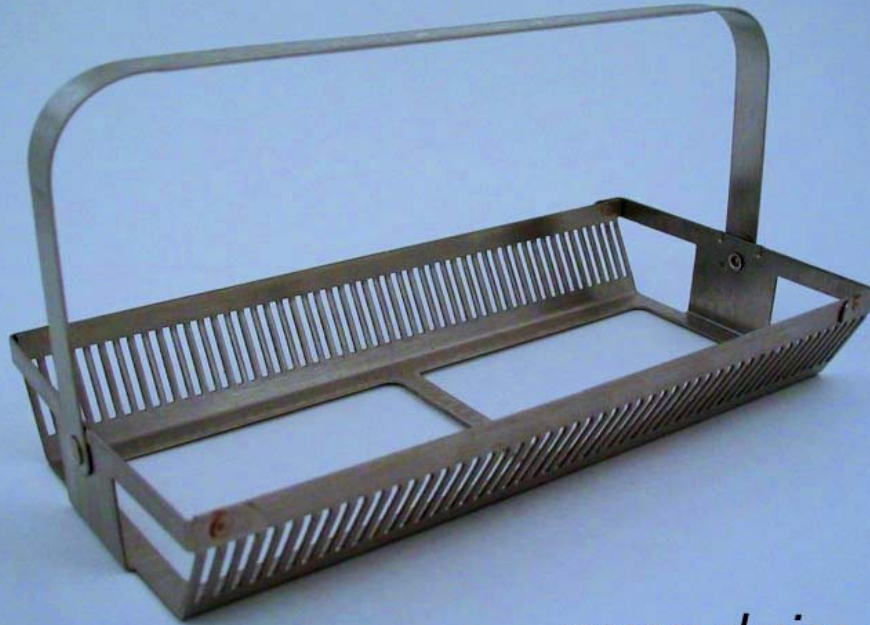
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- Totally enclosed housing
- Easy to service
- Low-maintenance microtome with cross roller bearings for vertical and horizontal specimen movement
- Quick release clamping system \*
- Simple changing of specimens
- Mechanical trimming function; at two steps (10  $\mu\text{m}$  and 30  $\mu\text{m}$ )\*
- Specimen orientation with anti-tilt feature \*
- Ergonomic hand rest \*
- Knife holder base with lateral displacement feature \*

## *R. K. Slide Staining Rack - 50 Slides*



[www.rksisc.com](http://www.rksisc.com)

### **Staining Dish.50-Slide Unit**

Staining Dish.50-Slide Unit Slotted rack holds 50 microscope slides, sizes 3" x 1" (75 x 25mm) as well as 3" x 1-1/2" (75 x 38mm). The unit measures approximately 200 x 83 x 105mm (7.87" x 3.27" x 4.13") overall. Rack is made of non-tarnishable 304 stainless steel and is resistant to most staining solutions. The handle is permanently attached, but hinged to permit closure of dish and easy insertion and removal of the microscope slides. Dish and cover are made of soda lime glass. Approximate inside dimensions: 70 x 185 x 90mm (2.75" x 4.72" x 3.54").

### *R.K. Slide Staining Rack - 20 slides*



[www.rksisc.com](http://www.rksisc.com)

A staining rack holding 20 slides vertically. The handle folds down at an angle to allow easy insertion or removal of the slides.

Rack is made of non-tarnishable 304 stainless steel and is resistant to most staining solutions.