



A Symbol of Quality

MICROTOMY EQUIPMENTS



AIISHIL INTERNATIONAL

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"AIISHIL" ROTARY MICROTOME : (Erma Type)

J-6 : Simple but versatile rotary microtome for cutting of uniform sections upto 25 microns in steps of 1 micron each. The internal structure is completely encased in a metallic cover. Selected alloys are used in fabrication of the machine and razor.

Accessories supplied with Equipment :

Razor-120 mm with back & handle-one, Object holders-set of three, Honing plate-one, Oil can-one.

Packed in card board box and thermocol packing.



J-6

"AIISHIL" ROTARY SENIOR MICROTOME : (Spencer 820 Type)

J-8 : Standard latest sectioning equipment for cutting serial sections in Medical & Biological research work. The mechanism is protected by a hinged cover. Precise feed mechanism to cut sections from 1-50 microns in steps of 1 micron each. Provided with safety device.

Technical features :

Feed adjustment - 1-50 microns. Total feed excursion-28 mm.

Opening of object clamps : 37x27 mm.

Accessories supplied with Equipment :

Razor-120 mm with back & handle-one Honing plate-one

Object holder-set of three, Oil Can-one.

Packed in card board box and thermocol packing.

J-8C (Deluxe) : Micron setting is in front for quick glance.



J-8

"AIISHIL" FREEZING MICROTOME : (ERMATYPE)

J-10 : Versatile sectioning machine for quick processing of frozen material by carbon dioxide freezing attachment. Table clamping is provided. Suitable to cut sections upto 40 microns in steps of 5 microns each.

Technical Features :

Freezing stage : 35 mm dia.

Feed range : 5-40 microns

Total feed excursion : 25 mm

Accessories Supplied with Equipment :

Razor 120 mm with back & handle-one Honing plate-one,

CO₂ freezing attachment & stage-one, Oil can-one

Spanner for attachment to CO₂ Cylinder-one.

Packed in card board box. **Without CO₂ Cylinder.**



J-10

"TAISHIL" SLIDING MICROTOME : (Jung Type)

J-11 : Sturdy sectioning equipment for paraffin, cellodine embedded specimen or in natural form. Suitable to cut sections upto 40 microns in steps of 2 microns each.

Technical Features :

Length of sliding track : 27 cms

Total feed excursion : 25 mm.

Object stage opening : 31x26 mm

Accessories supplied with Equipment :

Razor-120 mm-one, Object holders-set of three, Oil Can-one.

Packed in card board box.



J-11

"AIISHIL" WOOD MICROTOME : (Jung Type)

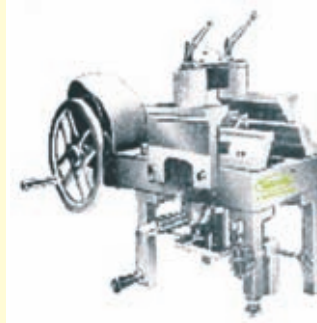
J-11A : Heavy duty Microtome for sectioning hard materials like wood, bone etc. upto 8 x 5 cms. size in steps of 1 micron each upto 30 microns.

Technical Features :

Feed adjustment-30 microns. Vertical object displacement-30mm. Opening of object vice-80x50 mm. Length of slide ways - 42 cms. Overall dimensions (horizontal) 85x40 cms.

Accessories Supplied with Equipment :

Special heavy duty Razor with back-one, Object holders-Set of three, Vices-two, spanner for tightening razor-one, L-Keys-two, Screw driver-one, Oil can-one.



J-11A

"AIISHIL" CRYOSTAT MICROTOME :

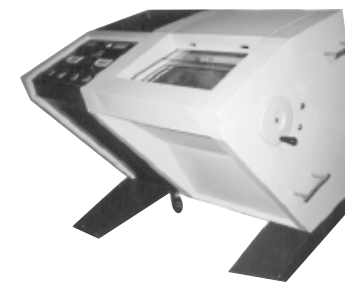
Most versatile section cutting machine for quick sectioning of tissues instantly freezeed on built-in rapid freeze stage for Biological, veterinary and Medical diagnostic biopsies etc. The Microtome complete made of brass & stainless steel is placed in stainless steel cold chamber with an observation glass window. Provided with a hermetically sealed compressor unit with 'A' grade components to achieve quick cooling upto -50°C. Provided with feed range from 0-40 microns in steps of 2 microns each.

Accessories Supplied with Equipment :

Razor-120 mm with back & handle-one, Object holder-set of three, Honing Stone-one, Oil Can with low temp. Oil-One, Dust cover-one.

JCR-1 As above temp. range -30°C with Digital Temp. Controller & Indicator.

JCR-1A As above but temp. range -40°C with Digital Temp. Controller & Indicator.



JCR-1

"AIISHIL" AUTOMATIC RAZOR SHARPNER : (Spencer Type)

J-9 : A streamlined automatic microtome knife sharpener with electric timer coupled with simple operation for razors upto 185 mm on both the wedges. Working mechanism encased in aluminium cover and front portion covered with clear acrylic canopy to observe safe and dustfree honing. Supplied complete with glass honing plate, coarse & fine abrasives and dust cover.



J-9

"AIISHIL" AUTOMATIC RAZOR SHARPNER : (Arthur Thomas Type)

J-9A : A heavy duty sharpening machine for razors upto 300 mm length. It is equipped with large round hard surface plate with one side ground and other side polished for various sharpening operations. Complete with universal knife holder having automatic reversing device and dust cover without abrasives.

Optionals :

Micro abrasives for coarse & fine honing are available in 200 gm. packing at extra cost. Suitable for all models of sharpners.



J-9A

"AIISHIL" MICROTOMY-AIDS :

"AIISHIL" SLIDE WARMING TABLE :

JP-1 : Useful for slow but uniform heating of slides to flatten sections below melting point of wax. S.S. top plate mounted on metallic stand with a thermostat to control temperature upto 70°C. Supplied complete with pilot lamp, Temp. Control Knob, cord-plug etc. to work on 220V AC 50 Hz single phase.



JP-1

"AIISHIL" TISSUE FLOTATION BATH :

JP-2 : Useful to float tissue wax sections to flatten for staining process. Double Walled chamber, inner made of black anodised aluminium and outer wall made of Mild steel sheet duly painted. Gap between two insulated with glass wool. Temperature ambient to 70°C ± 2°C controlled by a thermostate. Supplied complete with pilot lamp, Temp. Control Knob, cord-plug etc. to work on 220V AC 50 Hz single phase.

Chamber Size :

Dia. 225 mm, Depth. 70 mm, Rim. 40 mm.

"AIISHIL" PARAFFIN EMBEDDING BATH :

JP-3 : Body made of mild steel sheet duly painted. Top made of M.S./S.S. sheet. Complete with wax pots with covers. Temperature ambient to 70°C controlled by a thermostat to work on 220V AC 50 Hz single phase.

- (i) 4 cups and 6 glass tubes.
- (ii) 6 cups and 8 glass tubes.
- (iii) 12 cups and 12 glass tubes.

"AIISHIL" PARAFFIN DISPENSER : (Embedding Bath-Single)

JP-4 : Double walled, both made of stainless steel sheet, gap filled with glass wool for temp. insulation. Temperature range ambient to 70°C controlled by hydrolic type thermostat. Complete with handle, pilot lamp, Temp. Control Knob, cord-plug etc. To work on 220V AC 50 Hz, single phase.

Available in Capacity : 1 litre, 2 litre & 5 litre.

Optional : Stainless steel basket.

"AIISHIL" AUTOMATIC TISSUE PROCESSOR :

JP-5 : Compact and versatile equipment for staining process automisation from stage one of fixation of tissue and dehydration process to paraffin wax saturation. Glass door with locking arrangement provides easy viewing and safety from tempering. Continuous agitation is provided by rotating S.S. tissue basket to make process more effective. A superior thermostat maintains desired temp. of wax bath. Supplied complete with : One-S.S. basket rotor, One-S.S. tissue basket, 24-S.S. tissue capsules, 10-1 litre glass beakers, 11-beaker covers, 2-S.S. wax baths each fitted with thermostat, 5-24 hrs. calibrated timing discs, one-notch plier for programming time discs.

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

"AIISHIL" TISSUE CULTURE STATION SINGLE UNIT :

JP-5S : 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, 24 Nos. S.S Tissue Capsules, 6 Nos. S-type Dividers.

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

"AIISHIL" TISSUE WAX BLOCK STORAGE CABINET :

JP- 10 : Cabinet made out of Duro-board, externally clad in laminated sheet. Dust-proof door is lockable. Provided with smoothly sliding drawers with sixteen compartments each of size 4x4x2" and have puller knobs. Each compartment can store blocks in two rows.

Capacity :

- 4 drawers (2000 blocks)
- 6 drawers (3000 blocks)
- 10 drawers (5000 blocks)

Cabinet capacity upto 20,000 blocks can be fabricated.



JP-2



JP-3



JP-4



JP-5



JP-10

"AIISHIL" SLIDE STORAGE CABINET :

JP-13 : Cabinet fabricated out of thick board. Exterior clad in laminated sheet. Drawers and slide holding grooves made of seasoned Teakwood/aluminium serially numbered. Each drawer has index card and puller knobs. An extra drawer has been provided at bottom for keeping index cards etc. Dust proof door has locking arrangement.

Capacity: 1000 2000 3000 5000 slides

"AIISHIL" SLIDE STORAGE CABINET : (FLAT POSITION)

JP-15 : Cabinet structure as Model-JP-13. The slides are stored in flat position in Aluminium trays Model : JP-8. The trays slide in wooden groves and have puller devices Dust-proof door has locking arrangement.

Capacity: 500 slides with 25 trays 1000 slides with 50 trays
2000 slides with 100 trays 5000 slides with 250 trays

Note : Cabinets with higher capacities in model : JP-13, 15 can be fabricated on demand.

"AIISHIL" MICROTOMY ACCESSORIES : (At extra cost)

- **Razor Attachment** : for use of safety blade in place of Microtome Razor.
- **Microtome Razor** : Fabricated out of grain tool steel heat treated and tested for microstructures, both side wedges with back & handle in wooden box. Size : 120 mm, 140 mm, 160 mm
- **Leather Strap** : Special quality leather size 12x2" fitted on wooden base for final straping of razors.
- **Honing Stone** : Special quality stone in a box.
- **Honing Plate** : Glass mounted on wooden base.
- **Object Holders** : Set of three for Rotary Microtomes.
- **L-Moulds** : for making different size wax blocks (in pairs).
37x25x15mm 50x25x15mm 75x30x15mm
- **Tissue Cassete**: Made of reinforced stainless steel mesh.

"AIISHIL" SPECIMEN JAR :

JP-17 : Made of clear acrylic sheet chemically welded to prevent from leakage rectangular shape with cover. Can be fabricated in any size.



JP-13



JP-15



OUR OTHER PRODUCT RANGE :

VISUAL EQUIPMENTS

MICROSCOPY EQUIPMENT

CLEAN AIR SYSTEM

HEAT & REFRIGERATION SYSTEM

BLOOD BANKING

GENERAL LABORATORY SYSTEM

PHARMACEUTICAL

PHARMACOLOGY EQUIPMENTS

MEDICAL ANATOMY INSTRUMENTS



ELECTRONIC ANALYTICAL INSTRUMENTS

INCINERATORS

ENGINEERING COLLEGE EQUIPMENTS

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