

Glass Knives and Accessories

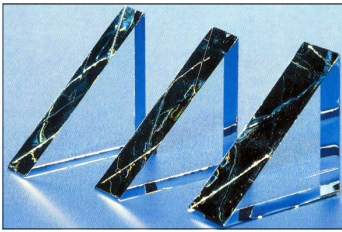


Leica EM KMR3 Glass Knifemaker

This new design EM KMR3 glass knifemaker from Leica has simpler operation and more consistent results from all thicknesses of glass than previous models. The knives are triangular after Latta and Hartman. With the breaking mechanism now above the glass, easier manipulation of the glass and a new design scoring wheel and cartridge, the "Balanced Break" technique can be utilised using a slower break providing better knives with less distortion. New adjusters with self-locking screws allow the glass to be positioned so that two knives with similar sized counterpieces can be made. Previously, glass knives would have a final angle of 55-60° but with the EM KMR3 they are much nearer to 45° and much more suitable for cryosectioning.

Glass of thicknesses 6, 6.4, 8 and 10mm can be routinely broken making the knifemaker suitable for ultramicrotomy or histology.

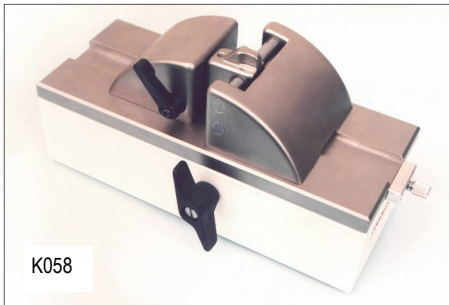
K111 Leica EM KMR3 glass knifemaker



TAAB Histoknifemaker for "Ralph" Knives

An easy to use knifemaker of substantial construction for the reliable production of Ralph glass knives for use in histology or plastic sectioning.

Preset with simple controls the instrument allows inexperienced operators to quickly produce knives of excellent quality. The standard instrument will produce knives from 25.4mm (1 inch) wide Superglass strips (or any other 6mm thick glass). An instrument for 38mm (1½") glass is available to special order. Both instruments are easily cleaned to maintain years of accurate and safe knife making. Instruments delivered with tools and a pack of appropriate glass.



K058 TAAB Histoknifemaker for 25.4mm glass
K058/W TAAB Histoknifemaker for 38mm glass



Knife Holder for "Ralph" Glass Knives

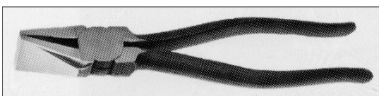
A brass knife holder to take either 25.4mm or 38mm "Ralph" knives which will fit into any standard rotary microtome knife clamp (e.g. knife holder 'N' from Leica or Microm). The angle brackets locate the knife firmly with Allen screws (key supplied) and the clearance angle can be altered in the normal way. Length 17cm, width 6mm (with clamps 16mm).

K058/25 Histoknife holder for 25.4mm (1 inch) "Ralph" knife
K058/38 Histoknife holder for 38mm (1½ inch) "Ralph" knife



Glass Breaking Pliers

G103 Very strong to give life-long trouble free use. They have alignment marks for accurate positioning on the glass



Manual Glass Scorer

G051 High quality tungsten cutting wheel with shaped handle for comfort and control



Knifemaker Glass for Electron and Light Microscopy

TAAB Superglass is specially selected high quality glass precision cut for reproducible results. Glass ages quickly after scoring so it is always best to score and break immediately and not store previously scored glass strips. We recommend all glass is washed with a dilute detergent in water before use and dried using non fibrous cloth or tissue.

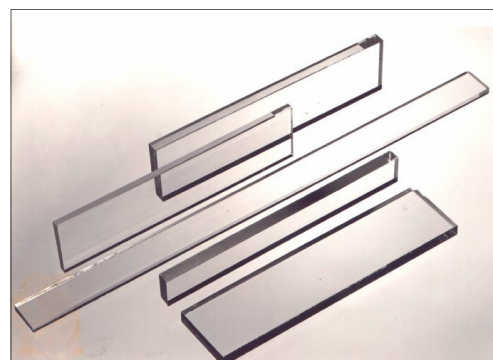
Glass for TAAB and older Sorvall/RMC Knifemakers

- G065** TAAB Superglass 8" x 2" x 6mm pack of 50 sheets
- G066** TAAB Superglass 8" x 2" x 10mm pack of 30 sheets
- G070** TAAB Superglass 8" x 2" x 12mm pack of 25 sheets

Glass for LKB/Reichert/Leica and newer RMC Knifemakers

- G067** TAAB Superglass 16" x 1" x 6mm pack of 30 strips
- G067/1**TAAB Superglass 16" x 1" x 6mm pack of 10 strips
- G067/T** TAAB Superglass 16" x 1" x 6.4mm pack of 30 strips
- G137** LKB/Leica ultramicrotome glass 16" x 1" x 6.4mm pack of 30
- G105** TAAB Superglass 16" x 1" x 8mm pack of 24 strips
- G159** TAAB Superglass 16" x 1" x 10mm pack of 18
- G154** TAAB Superglass 8" x 1" x 6mm pack of 32 *
- G106** TAAB Superglass 8" x 1" x 8mm pack of 28 strips *
- G068** TAAB Superglass 8" x 1" x 10mm pack of 20 strips *
- G081** TAAB Superglass 16" x 1½" x 6mm pack of 20 strips

* Can also be used on TAAB Glass Knifemaker Mk2

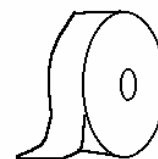


Histological Grade

- G084** TAAB Superglass 16" x 1½"(38mm) x 6mm pack of 20 strips
- G085** TAAB Superglass 16" x 1"(25.4mm) x 6mm pack of 30 strips

Boat Making Materials

- T066** **Silver Tape** roll 9mm wide x 66m long for making boats (non conducting)
- T402** **Silver Tape** roll 12mm wide x 66m long for boats
- T065** **Heavy duty tape dispenser** for reels with internal dimension of 75mm
- T366** **SLEEK Tape.** Self sealing tape one inch wide for making boats without wax. Easy-to-follow guide available on request
- W050** Dental wax pink, toughened, 1 box. Each box contains 1lb (454g), 22 sheets

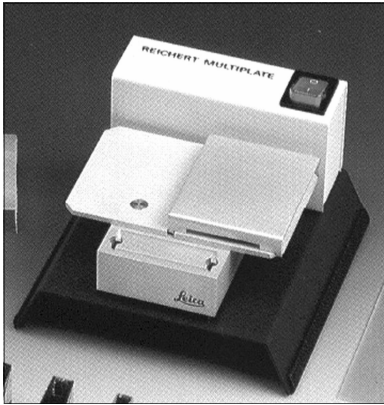


LKB/Leica Preformed Trufs

Moulded disposable black plastic troughs that speed up and simplify the preparation of glass knives for ultramicrotomy without the use of tape. The uniform shape gives reproducible lighting parameters and water levels. They are easily sealed to the glass knife with molten wax using the LKB/Leica Multiplate and the large water bath allows large area sectioning or long ribbons to be produced.

- T336** Trufs for boats 6.4mm wide sealed pack of 50
- T341** Trufs for boats 6.4mm wide sealed pack of 500
- T445** Trufs for boats 8mm wide sealed pack of 500 pieces
- T446** Trufs for boats 8mm wide sealed pack of 50 pieces
- T447** Trufs for boats 10mm wide sealed pack of 500 pieces
- T448** Trufs for boats 10mm wide sealed pack of 50 pieces





LKB/Leica Multiplate

A compact ultramicrotomy hotplate with three decks at 95°C, 80°C, and 60°C.

Attaching Trufs

The wax melting deck is at 95°C to provide wax for attaching Trufs. By placing Trufs on this deck the wax is distributed evenly on the edges so they attach easily and securely to the knives.

Drying and heating

The drying deck has a temperature of 80°C, ideal for drying and attaching semi-thin sections to slides. The deck is large enough to dry 6 slides at a time. By mounting a raised plate over half of the drying deck a heating deck of 60°C is produced for staining sections.

H065 Multiplate 220/240V 50 Hz

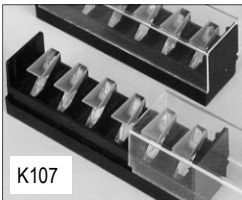
K063



Glass Knife Storage Boxes

TAAB have available two economically priced storage boxes for 6mm or 10mm and 12mm triangular glass knives. The 6mm storage box with accommodate 10 knives and the 10/12 box 6 knives in a secure and clean environment. The knives are held in slots formed in a silicon rubber insert and protected by a removable plastic dust cover. Ideal for transit around the laboratory.

K063 Knife storage box 6mm



The Leica knife box has a clear sliding lid and can hold up to six 6mm knives with or without Trufs.

K107 Leica knife storage box (2 pieces)

Ultramicrotomy Heat Pen

A controlled, safe and efficient way of reducing compression in plastic sections. Eliminates the disadvantages of vapour methods which subject the operator to a health hazard. Provides an easily controllable amount of heat just above the floating sections. Potentiometer control for adjustment of output voltage and LED auto zero current meter.

Specification

230V 50Hz or 120V 60Hz

Dimensions: 65 x 130 x 114mm Power cable 1.8m Penholder cable 1.5m

Weight approx. 480gms

P184 Heat pen 230V

PP184/1 Heat pen 120V

P184/F Replacement filament



P184



P273

Disposable Heat Pen

Low priced disposable units using alkaline batteries as the power source. Compact and portable, 20cm long with protective cap. Safer and more controllable than organic vapours for expanding sections in the ultramicrotome water bath.

P273 Disposable heat pen

Absorbent Paper Points

Machine rolled paper with a tapered end which offers good water absorbency and assists in the accurate removal of surplus water from the knife boat, the block face, between the tines of tweezers or from grids. No random fibres to obstruct or damage the specimen.

Available in several sizes:

P400 200 assorted point sizes 15, 20, 25, 30, 35 and 40

P401 200 assorted point sizes 45, 50, 55, 60, 70 and 80

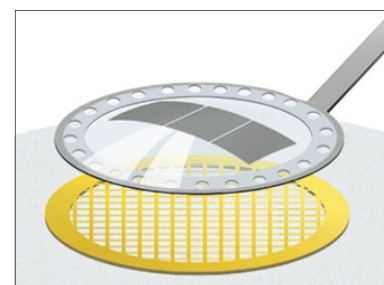


Also available in individual sizes. Point size increases as the number increases.

Section Perfect Loop for electron microscopy

The Perfect Loop allows consistent section pick-up. The outside diameter is the same as the grid and the thickness about 40µm. As the grid and loop are the same diameter they attract one another without section stress or creasing and the section remains in place on the grid without fail.

L138 Perfect Loop 3mm EM set L141 3mm loop only L142 Handle only
L141/5 3mm loop (set of 5)



Section Pick-Up Loop

For those people requiring a ready-made EM loop. Made from nichrome wire and fitted into a black anodised aluminium handle, it is ideal for transferring sections from water surfaces to a specimen grid or microscope slide. Also useful for replica and freeze fracture work. Available with stand.

L089 Section pick-up loop L090/S Stand L090 Section pick-up loop with stand



L090



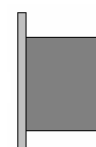
L092/93

Wire Loops (to Fit Wire Holder W080)

L092 Nichrome wire loop pack of 3
L093 Platinum wire loop pack of 3



W080



W079

Wire Holder

Nickel plated brass fitted with screw chuck. Suitable for wire or needles up to 0.56mm (24SWG)

W080 Wire holder 150mm long

Nickel/Chrome Wire 80%/20% 'Nichrome'

For making nichrome section loops by hand, 0.25mm Ø (30SWG)

W079 Nichrome wire 10m

Razor Blades

Standard single edged, rigid backed blades ideal for sectioning, trimming etc. Packed in boxes of 100 blades

B054 Blades grade 2 carbon steel box of 100
B301 Blades grade 2 carbon steel **Teflon coated** box of 100
B055 Blades grade 2 carbon steel 10 x 100
B056 Blades grade 1 *stainless steel* box of 100

Heavy Duty. For those wishing for a stronger, more rigid blade. Similar to B054 but without the end notches. Added strength with a superior cutting edge.

B146 Blades grade 2 heavy duty carbon steel box of 100

Holder for Single Edge Blades

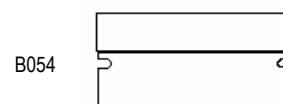
This holder will accept any of the B054, B055 or B056 blades. The blade holder offers a much safer method of use of single edge blades, keeping the fingers further away from the cutting edge when cutting hard materials. The blade is retracted when not in use. It is easy to reverse the blade to reveal a new cutting edge or to refill with a new blade. Comes complete with one blade.

B181 Holder for single edge blade

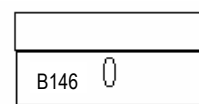
GEM Blades in Dispenser. Acclaimed as the first quality carbon steel blade 0.009" thick. The GEM blades from the USA come in a safety dispenser containing 10 blades and used blades are stored in the base of the dispenser for safe disposal.

B147 GEM blades 10 in dispenser
B147/1 GEM blades pack of 12 dispensers

See more Razor Blades also on page



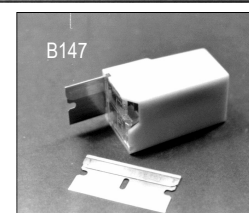
B054



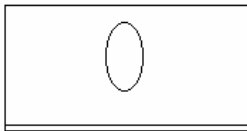
B146



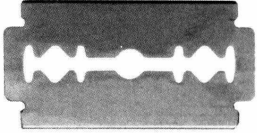
B181



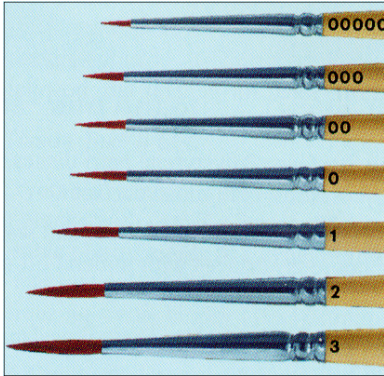
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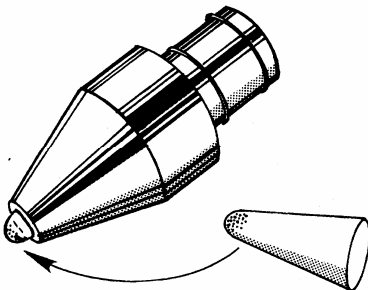
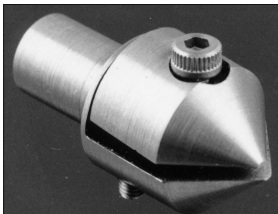
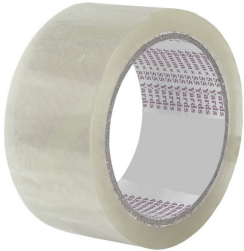
B335



B253



B246



Blades Unbacked

B335 Blades unbacked rigid carbon steel box of 100

Blades Double Edge

B253 Double edge stainless steel 0.004" thick box of 10

B253/1 Double edge stainless steel 0.004" thick box of 10 x 10

Sable and Squirrel Hair Brushes

A range of high quality brushes for handling and manoeuvring delicate sections.

Sable Hair

B187 Brush size 3 pack of 5

B191 Brush size 00 pack of 5

B188 Brush size 2 pack of 5

B192 Brush size 000 pack of 5

B189 Brush size 1 pack of 5

B193 Brushes one of each size (6)

B190 Brush size 0 pack of 5

Squirrel Hair an economical alternative to sable for many applications

B194 Brush size 0 pack of 5

B126 Brush size 3 pack of 5

B124 Brush size 1 pack of 5

B127 Brush size 4 pack of 5

B125 Brush size 2 pack of 5

B195 Brushes one of each size (5)

Single Bristle Brush

Single Bristle Brush for very fine manipulation of sections.

B246 Single bristle brush (pack of 5)

Ultraclear Specimen Tape

A super-clear tape ideal for collecting particles, fibres etc. for identification in the optical microscope, or where optical clarity is vital whilst maintaining the integrity of difficult sections such as bone or teeth.

T 392/12 Ultraclear tape 12mm x 60m

T392/50 Ultraclear tape 50mm x 60m

U/M Chuck for Flat Embeddings

This specimen chuck is suitable for all Leica and RMC ultramicrotomes and enables secure clamping of flat embedded plastic blocks of varying thicknesses.

M366 Ultramicrotome flat embedding chuck (specify make of microtome)

U/M Chuck for Eppendorf Embeddings

After using Eppendorf tubes for processing and spinning down cells etc, the material is embedded *in-situ*. The resulting conical block is difficult to mount in a standard ultramicrotome specimen holder. These chucks have been specially designed to hold such embeddings securely.

M401/R Eppendorf chuck Leica/Reichert

M401/L Eppendorf chuck LKB

M401/RM Eppendorf chuck for RMC

M401/RT Eppendorf chuck RMC threaded

Grid Coating Pen

A convenient system for providing an adhesive surface on TEM grid bars for secure attachment of sections and film coatings. Simply touch the pen onto the grid and a solvent containing an adhesive is released which finely coats the grid bars.

P293 Grid coating pen