

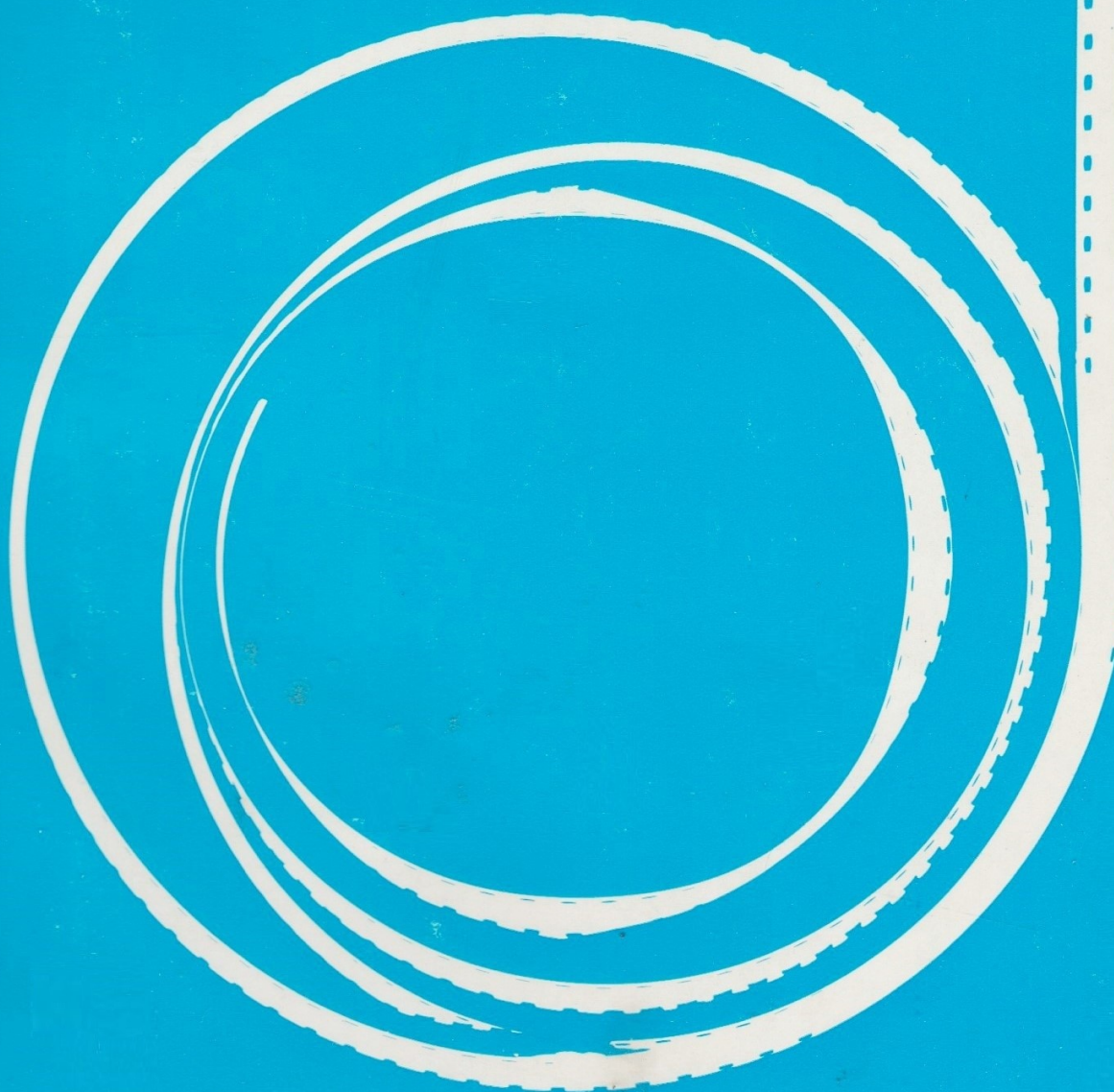


# Premier Equipment Catalogue

ROBERT RIGBY LTD. PREMIER WORKS, NORTHINGTON STREET, LONDON WC1N 2JH

TELEPHONE: 01-405 2944/5/6

TELEX: 28604 REF: 2359











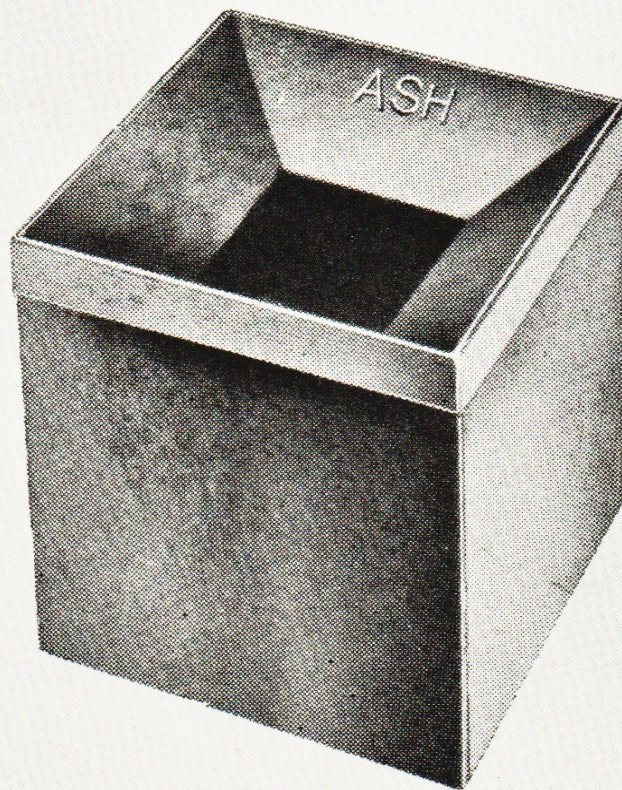
# Ash Containers

- \* Strongly constructed in steel
- \* Easily removeable lid
- \* Various attractive finishes
- \* Ideal for Cinemas, Dance Halls, Offices, Theatres, Studios, Public Buildings

These containers are most suitable for placing in vestibules, corridors, halls, etc. They are of ample capacity, being 12ins square by 12ins deep.

They are strongly constructed in double seamed steel. The cover is easily removeable for emptying purposes.

They are finished in a range of attractive stoved enamel colours: gilt, silver, blue, beige, green, grey, etc.

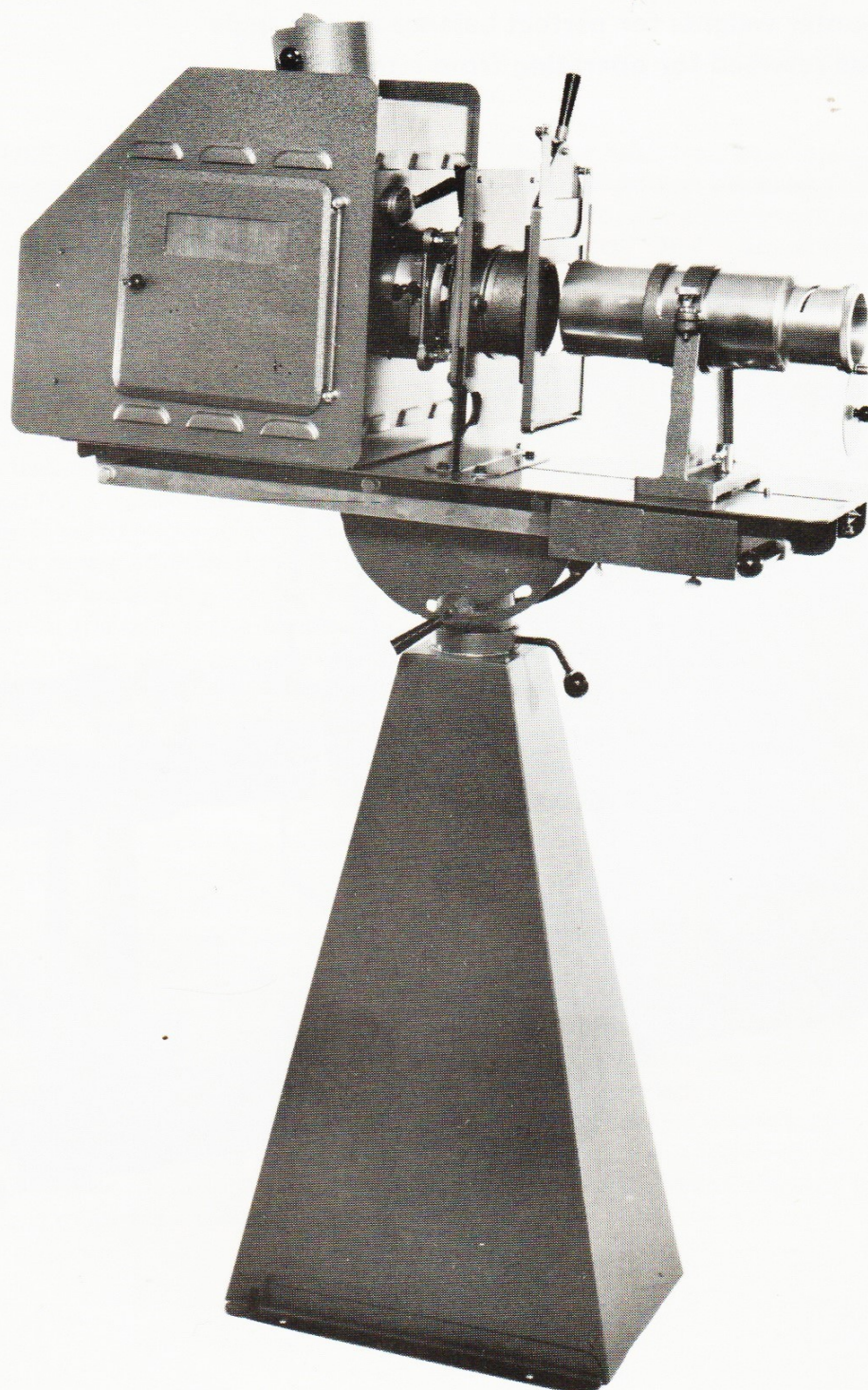






# Premier All-Purpose Projector

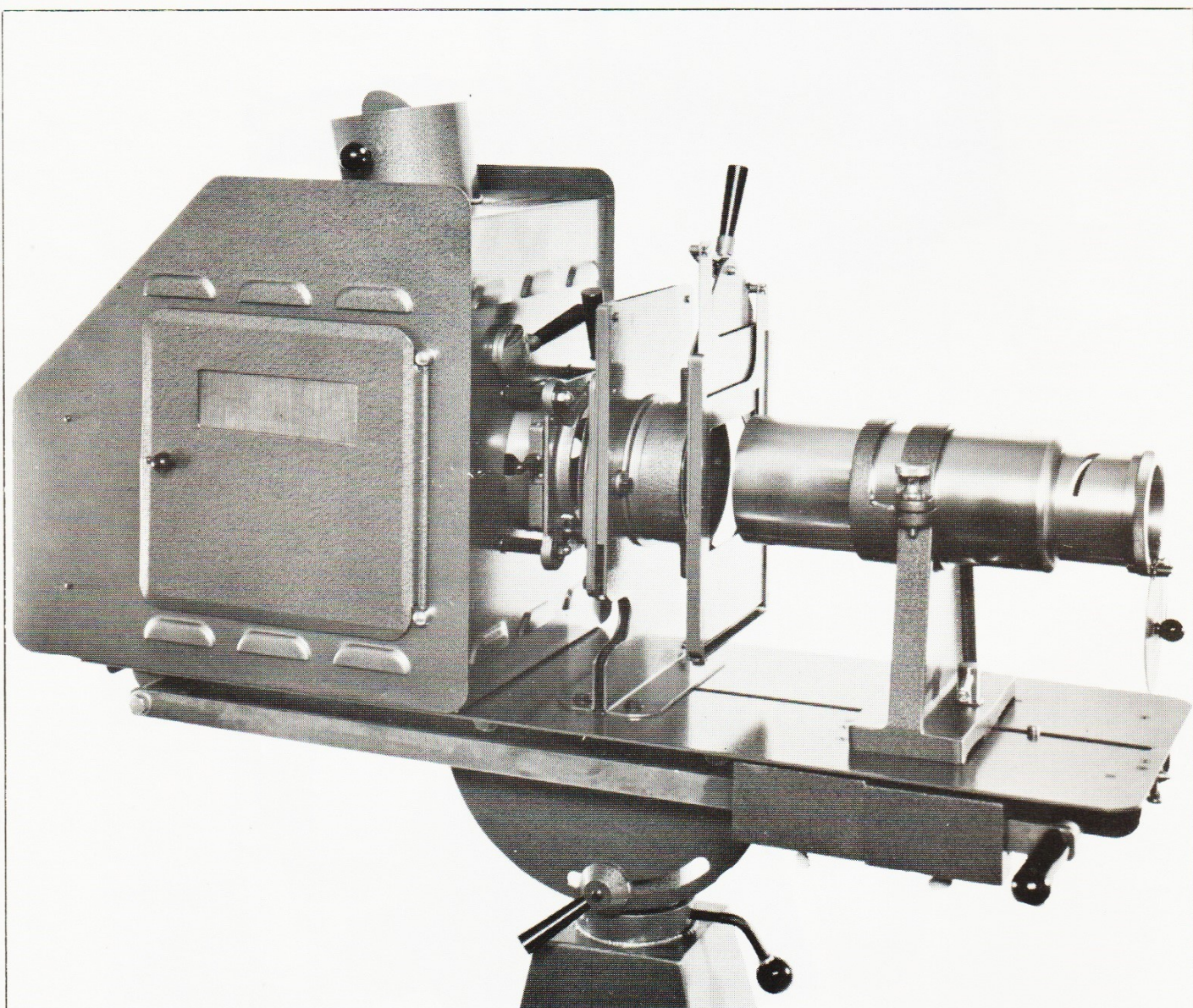
A combined effects,  
spot & slide unit





# Special Features

- \* H.I. Horizontal Positive Arc of 70/80 amperes capacity with magnetic flame control
- 2 3/8" Petzval projection lens giving a perfectly focused spot or slide on any throw up to 150 feet
- \* Instantaneous colour changes
- \* 5 in Iris Dissolver
- \* Swivel cut-off adjustable horizontally, vertically or diagonally
- \* Universal slide carrier
- \* Lining -up rod for reset stage or screen alignment
- \* Dowser to protect rear condenser when striking arc
- \* Adjustable counter weights for perfect balance at any angle
- \* Controls can be reversed for operating from either side





# Specification

THE LAMPHOUSE is constructed of steel with sloping roof terminating in a 5in diameter chimney with an adjustable damper; two light-tight doors with plastic covered handles and large oblong eye pieces; well louvred and fitted with internal linings for maximum ventilation; runners for arc lamps and screwed bush to accommodate crater focusing attachment; a well balanced striking dowser operated externally.

THE ARC LAMP of 70/80 amperes DC capacity is a smooth worm feed horizontal positive and angular negative type and has a quick release incorporated in the carbon carriages to allow speedy recarboning. Lateral and height centre adjustments are provided and the crater can be accurately focused by a fine screw attachment at the rear of the lamphouse. A magnetic flame control is incorporated to ensure maximum control of the flame and is tested to set before leaving the factory. The carbon holders are fitted with self-aligning collets supplied in pairs to suit any specified trim. The arc will accommodate standard lengths of carbon.

THE OPTICAL UNIT consists of a 5in diameter cast condenser fitted with a rear heat resisting lens and allowing for easy removal for cleaning purposes. A 2 3/8in. projection lens of specified foci from 16 in. to 26in. is fitted in a spiral cast focusing mount which is screwed into a chromium plated front tube rigidly clamped in position by a substantially constructed support casting. The front tube travels freely through the support to focus the cut off or iris when used as a spot, and obviates the removal of detachable parts when changing from projector to spotlight. Fitted to the projection lens mount is a spring loaded

flasher head (not illustrated) enabling instantaneous or gradual dissolves to be made. The lens spiral focusing movement can be clamped.

THE CUT OFF is adjustable for use horizontally, vertically, or diagonally, and is mounted on a circular tube on which a spring loaded plunger accurately locates these positions. A Universal type slide carrier accommodates 3 1/4in. x 3 1/4in. or 4in. x 3 1/4in. slides or effects glasses (see Automatic Colour Wheel).

A specially designed holder for heat resisting Colour gelatines gives instantaneous colour changes. These gelatines are easily replaceable if damaged.

THE STAND ASSEMBLY is a pedestal type, constructed of sheet metal with a cast outer and inner column, the latter rotating in the outer column. A 2in. diameter hole is left in the outer column for incoming mains leads and a 60 amperes D.P. rotary switch with leads feeding to the arc terminals. Quadrant slots in the semi-circular top plates allow a free tilting movement and a robust clamp is supplied for locking. A lining up rod ensures accurate positioning for screening after stage work. (Not illustrated).

THE FINISH is stove enamelled grey polychromatic but any colour can be supplied at slight extra cost.

DIMENSIONS. When using 26in lens on level throw 5ft. 6in. x 5ft. 6in. x 1ft. 9in. A spot porthole of 3ft. 6in centre and measuring 24in x 24in. is recommended.

When ordering please state the carbon combination and lens focus required and the centre height of spot porthole and angle of projection.



# Automatic Colour Wheel

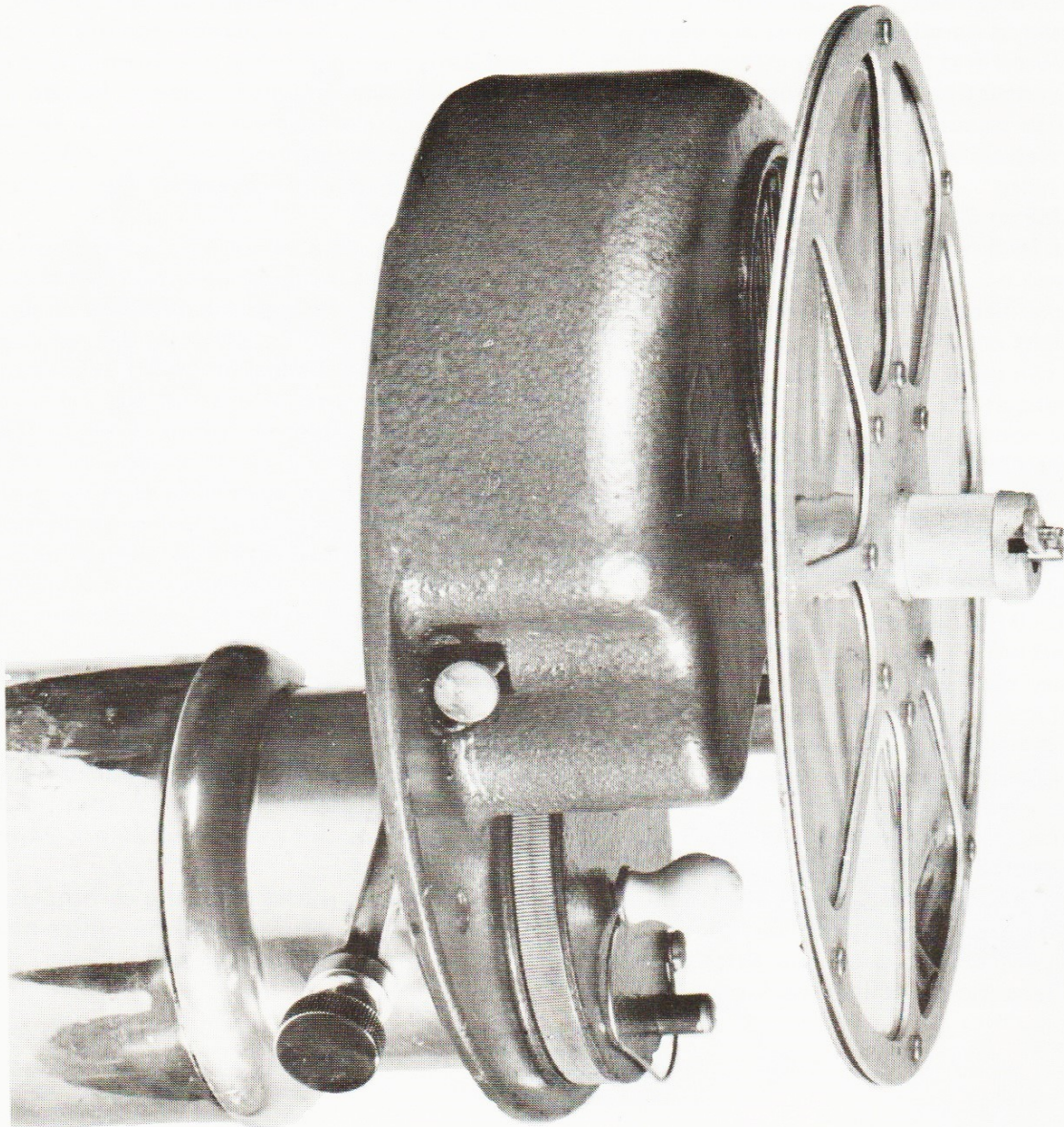
This fascinating device is particularly suited for use with the All-Purpose Projector. The colour wheel located at the front of the projector lens (as illustrated) rotates at a variable speed by means of a clockwork motor (duration 1/2 hours) and used in conjunction with figured glass slides gives the most pleasing effects on the screen. As a background for Slide Projection or film titles, the variety of effects is truly amazing.

The wheel is fitted with combinations of coloured

heat resisting gelatines and the complete unit can be rotated on its own axis so that the changing colours move horizontally, vertically, or diagonally across the screen.

A catch on the wheel spindle allows the colour wheel to be rotated by hand. The device offers infinite possibilities to any operator who wishes to enhance the value of his screen presentation.

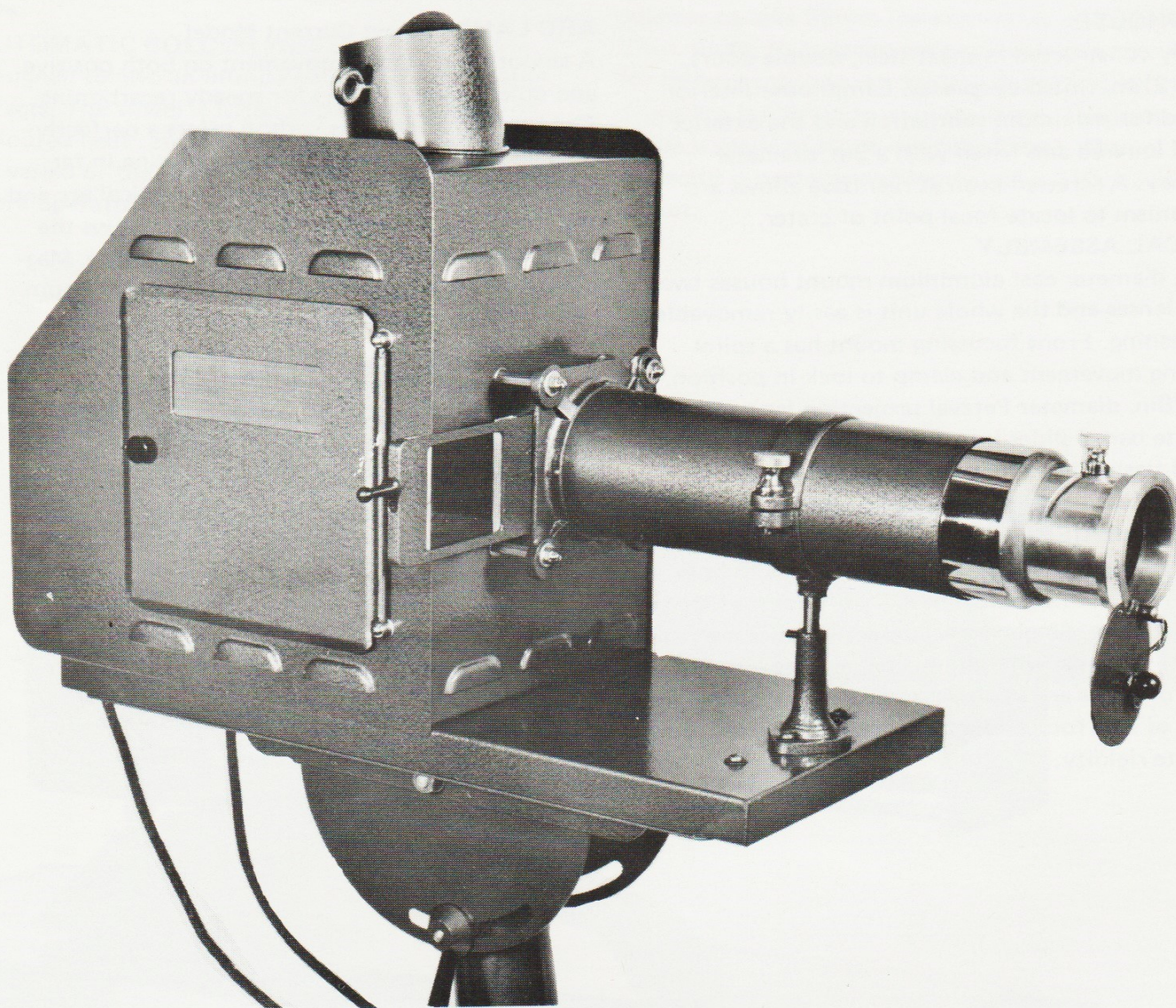
The price includes a set of five figured glass background slides.







# Slide Projectors

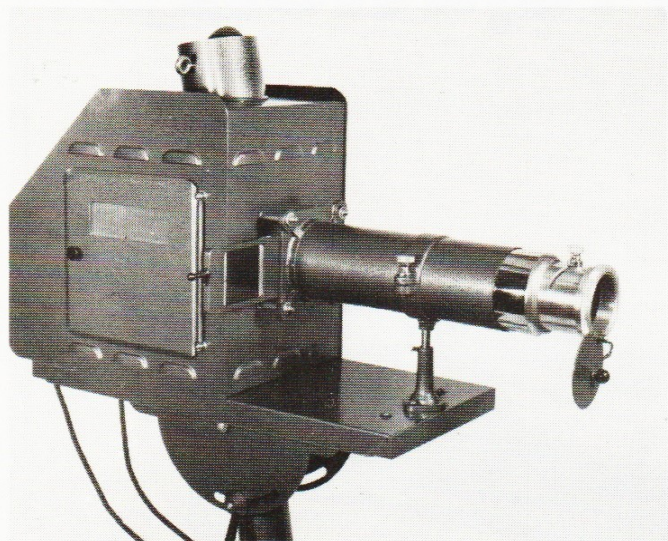




# De Luxe Model

LEFT: Incandescent

BELOW: Arc



## LAMPHOUSE

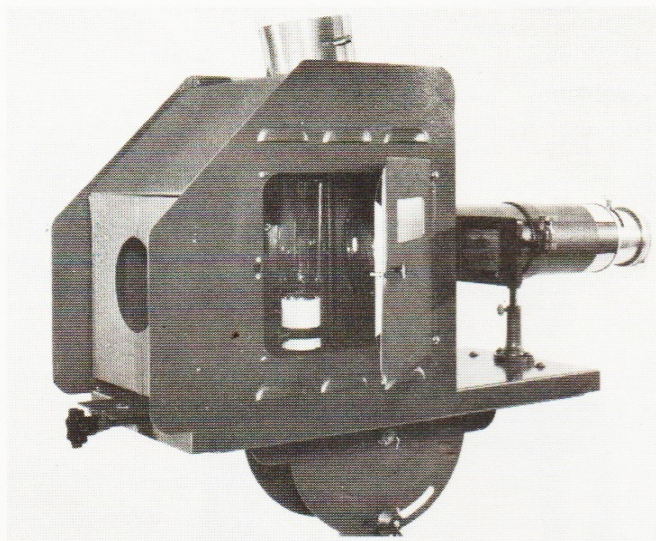
Rigidly constructed in sheet steel, double doors, 6in. x 2½in. tinted eyepieces. Lamphouse interior is lined for maximum ventilation and the exterior is well louvred and fitted with a 5in. diameter chimney. A screwed bush at rear base allows arc mechanism to locate focal point of crater.

## OPTICAL ASSEMBLY

A 5in. diameter cast aluminium mount houses two plano lenses and the whole unit is easily removable for cleaning. Front focussing mount has a spiral focusing movement and clamp to lock in position. A 2 3/8in. diameter Petzval projection lens with separate barrel slides into focusing mount. A spring loaded flasher head is fitted on front of focusing mount effecting instantaneous or gradual dissolves.

## SLIDE CARRIER STAGE & FRONT TUBES

The Premier patent Universal slide carrier to hold both 4in. x 3¼in. and 3¼in. x 3¼in. slides is fitted in a cast plate. Single draw telescopic tubes are fitted into the same carrying the front focusing mount. A series of tubes are available to accommodate a large range of lens foci, and a split clamp support ensures absolute rigidity.



## ARC LAMP - Direct Current Model

A smooth worm feed movement on both positive and quick release fingers for speedy recarboning. The horizontal positive carbon offers a perfectly formed crater to the condenser, resulting in far superior light concentration to any vertical arc and the fine screw adjustment on the tray allows the crater to be focused with the optical system. Magnetic flame control is fitted permitting maximum control of the flame. An exclusive feature is the circular split linings of special heat resisting alloy fitted to the carbon holders. These linings are identical outside diameter and bored to suit your specific trim and line up is assured by accurate machining. Linings can be supplied to fit the majority of carbon sizes between 5mm. and 16mm.

## INCANDESCENT

Two sizes of lamps are available, 1000W or 2000W.

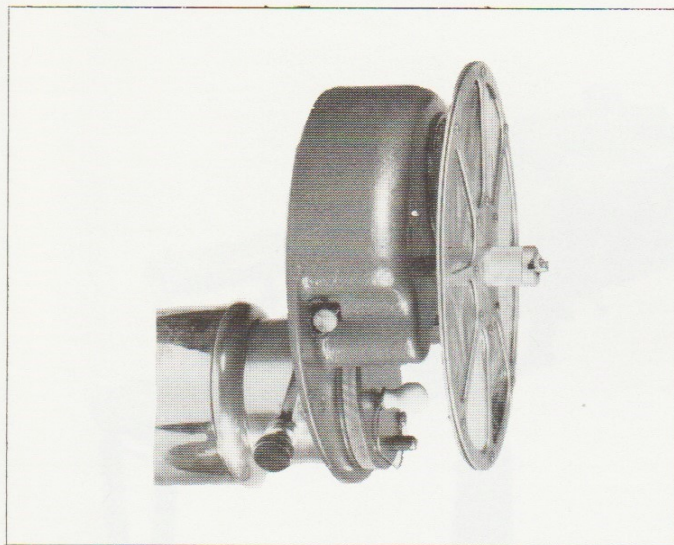
## LENSES

Lenses are available up to 32in. focus.

When ordering state the throw and picture size required. With arc models, the combination of carbon sizes required should also be stated.



# Automatic Colour Wheel



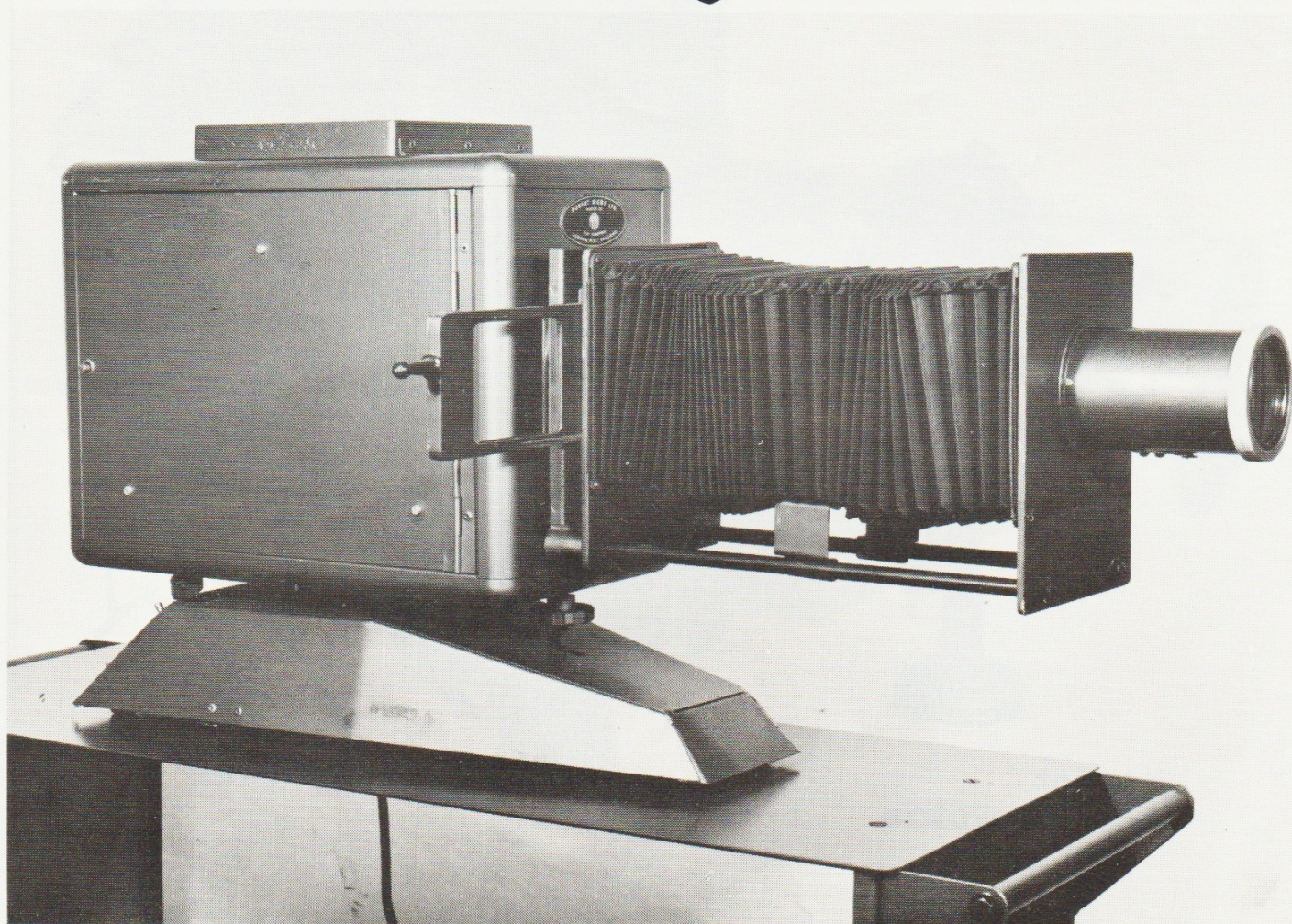
## AUTOMATIC COLOUR WHEEL

Designed to give an infinite variety of colours and effects. The wheel is fitted with combinations of coloured heat resisting gelatines. The speed can be varied or the wheel rotated by hand. It is clock-work operated.

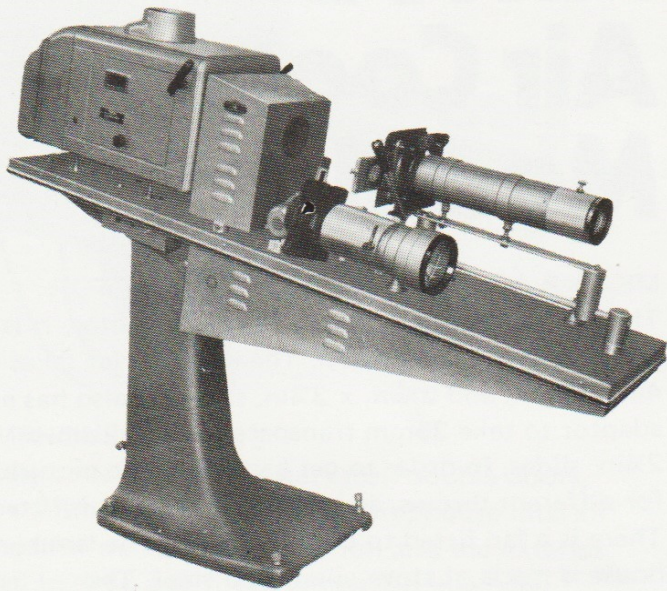
# Mk IV B Air Cooled Model

## MK. IVB AIR COOLED SLIDE PROJECTOR

This is an extremely versatile Slide Projector. It is fitted with a 1000W lamp. The slide carrier takes 4in. x 3¼in. and 3¼in. x 3¼in. slides. It also has an adaptor to take 35mm transparencies or 2¼in. x 2¼in. slides. In order to get a variable size picture for different throws, an adjustable bellows is fitted. There is a fan fitted to cool the lamp. The lamp house is made of stove enamelled steel. The Projector is portable and works off a 240v 13 amp socket.



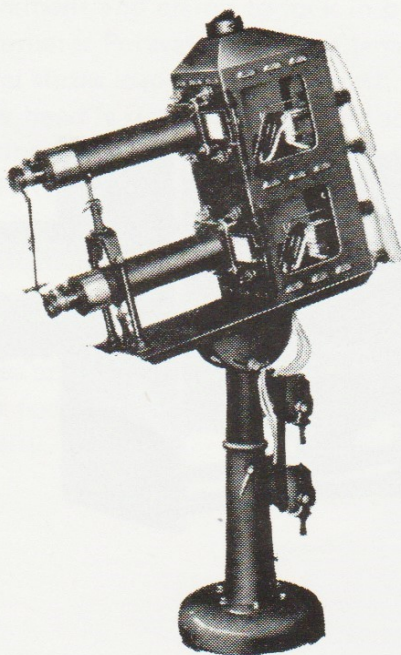




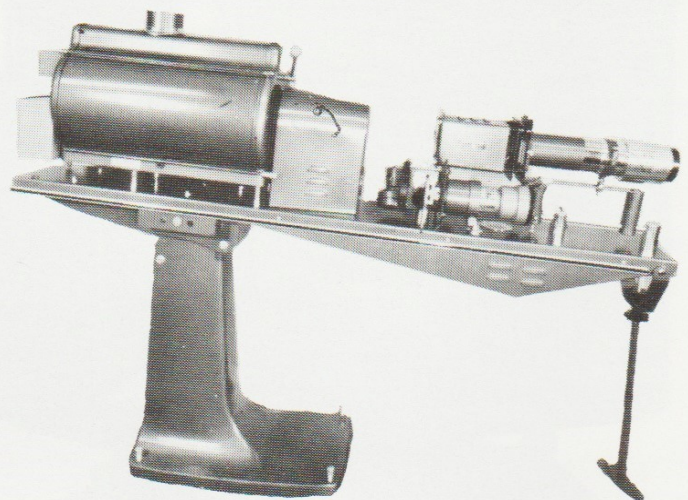
2-TURRET XENON



3-TURRET XENON



BI-UNIAL  
SLIDE PROJECTOR



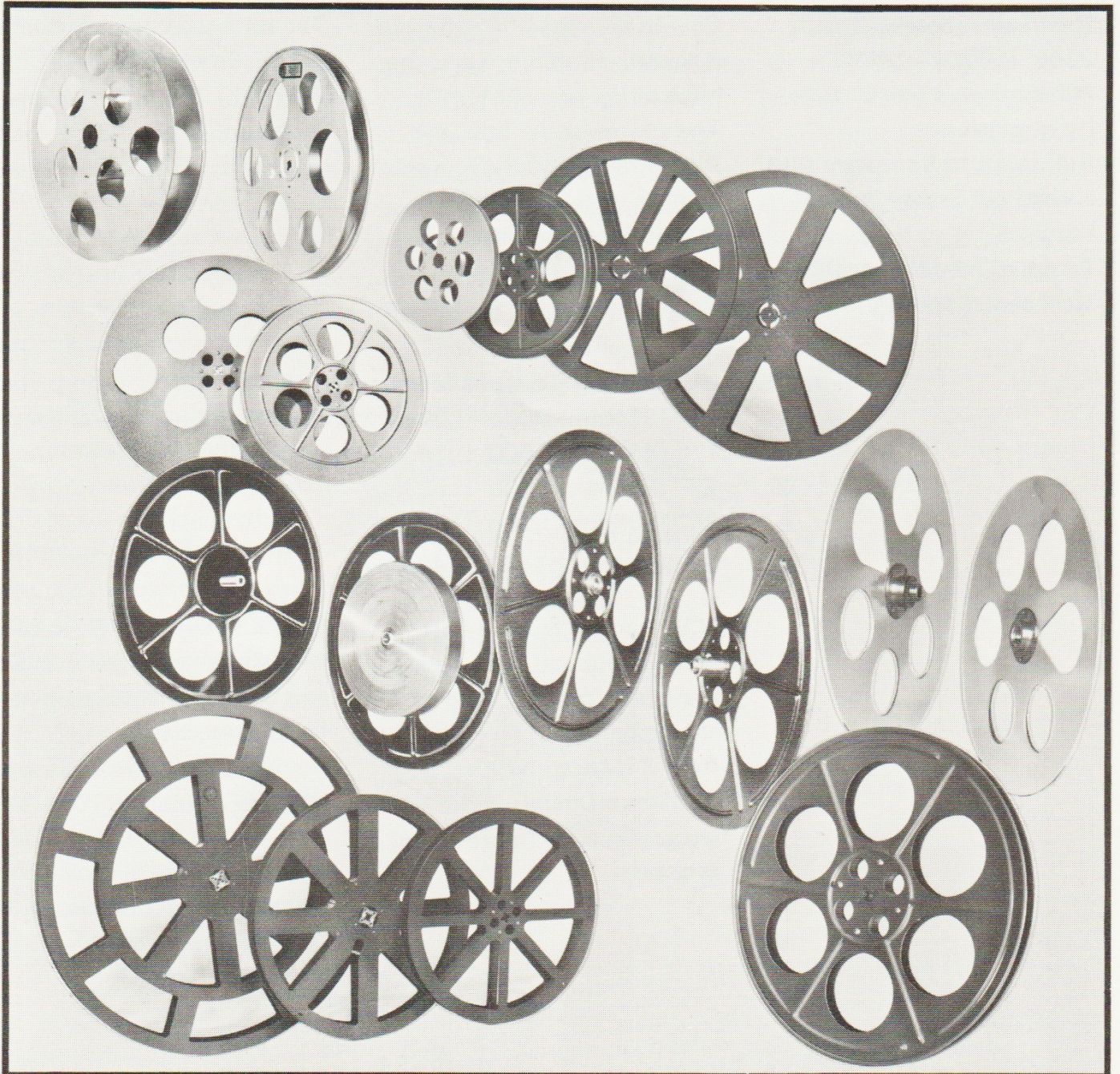
MULTI-TURRET XENON





# Film Spools & Cans

35mm, 16mm, 8mm,  
Super-8mm





# 35mm solid spools

- \* Solid or split spools available with aluminium or steel cheeks
- \* Range of capacities from 2000' (609m) - 14000' (4265m) plus special sizes by quotation
- \* Full range of bore sizes plus special pin or key drive as required
- \* Patented interchangeable steel centre bush

Premier spools are extremely rigid & strongly constructed.

Cheeks are made of non-magnetic aluminium and the hubs of lightweight plastic. The centre of the hub, the steel bush, which suffers most wear, is easily replaceable. Should a new projector with different size spindles be installed in a cinema all that

is necessary for adaptation is to interchange the steel bushes, simply done by a projectionist. The bore sizes available are: 5/16", 9mm, 3/8" & 1/2" (12.7mm). The interchangeable bush applies only to 5" diameter hubs.

Item No.	Diameters available as follows:			
1.	15" (381mm)	2000' (609m)	with steel or aluminium cheeks	
2.	17" (432mm)	3000' (914m)	with aluminium cheeks only	
3.	22" (559mm)	5000' (1523m)	"	" " "
4.	25" (635mm)	6000' (1828m)	"	" " "
5.	36" (914mm)	14000' (4265m)	"	" " "

**N.B.** Items 1 & 2 are fitted with 5" hub, all bore sizes available, for a 1/2" bore a surcharge per spool (see Price List) Item 3 is fitted with either 5" or 8" hub (metal) all bore sizes are available, 1/2" bore extra as above.

Item 4 fitted with 8" hub (metal) all bore sizes available and with special take-up holes for Cinemeccanica. Item 5 available with 8" or 10" hub (metal) 1/2" bore size only. Items 2 & 3 are also available with side spaces for use with Philips, Westar or Fedi projectors.



# 35mm split spools

These spools are available with either bayonet (interlocking) or screwed type core with capacities from 400' - 3000'. Bayonet core type are available only with a 5/16" bore. Screwed core type are available for all bore sizes, but if 1/2" bore is required then a 'push-in' type core is supplied and carries a surcharge.

These aluminium spools are ideal for use in cutting & editing rooms and are indispensable for spooling up/off programmes in cinemas or television studios. The brass centres are designed to take positive plastic bobbins. If required for use with the new Rank Cintel Projector, then a key or 4 pin drive is available in screwed type only and

**N.B.** When ordering spools please state clearly TYPE, CAPACITY & BORE SIZE REQUIRED.

Full details, including metric sizes, are shown on the Price List.

# 16mm spools

## **SOLID SPOOLS —**

### **Non-magnetic aluminium**

Premier manufacture two types of solid aluminium spools for use with 16mm film. One is lightweight aluminium in sizes 400' (122m) — 2000' (609m); 400', 800' & 1200' have 2 3/8" dia. hubs, and 1600' & 2000' have 4" dia. hubs. The other type available in sizes 1000' (305m) — 6000' (1828m) have aluminium cheeks but are fitted with 4 3/8" dia. solid hubs.

## **SOLID SPOOLS & CANS — Plastic**

The Premier range of plastic spools covers 400' (121m) to 2000' (608m) and all these sizes are available with matching plastic cans. They are made of rigid plastic & most sizes have a metal bearing insert to give long life.

## **SPLIT SPOOLS**

Available with bayonet (interlocking) or screwed type core — all capacities as shown for 35mm spools.

**N.B.** All 16mm spools are 5/16" bore (8mm square bore). When ordering please state TYPE & CAPACITY REQUIRED. Full details, including metric sizes, are shown in the Price List.



# 8mm & Super-8mm spools

## **8mm SPLIT SPOOLS**

These spools are made in aluminium in sizes 400', 1000', 1200', & 1600', all with 5/16" bore size only.

## **SUPER-8mm SPLIT SPOOLS**

Sizes available as above but with 1/2" bore size only.

## **COMBINED 8mm & SUPER-8mm DELUXE PLASTIC SPOOLS & CANS**

These solid spools & cans are made in rigid plastic and come with a 'push-in' dual centre (5/16" & 1/2") enabling use with both 8mm and Super 8mm film. 200' & 400' sizes only are available.

## **SUPER 8mm SOLID PLASTIC SPOOLS**

Available either in 200' or 400' capacity, 1/2" bore only.

**N.B.** When ordering spools please state SIZE, TYPE & CAPACITY REQUIRED.

Full details including metric sizes are shown in the Price List.





# **Fire Shutters Operating Booth Emergency Release Box**





# Fire Shutters

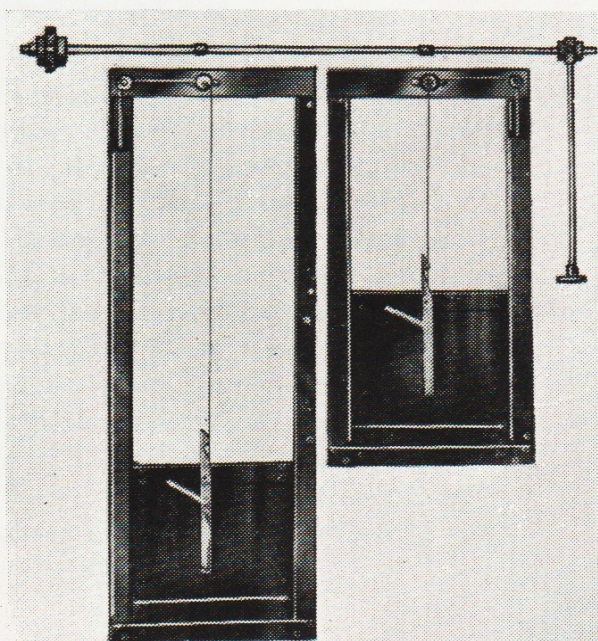
PREMIER shutters satisfy the construction requirements of all the licencing authorities and are made of heavy gauge steel sliding in substantial steel runners. The fitting of such Shutters with glazed apertures, is recommended in every operating room.

They are made to suit apertures of varying dimensions, and each set of Shutters is controlled both inside the operating room by levers which are fitted in convenient positions and also outside by a control suitably positioned in the Auditorium.

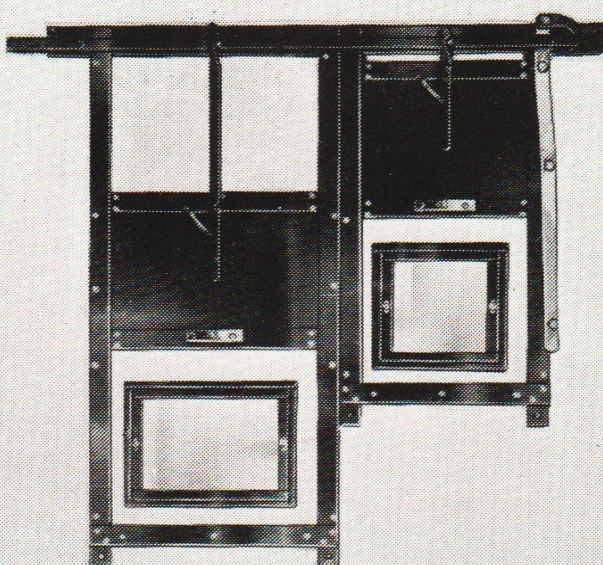
All the Shutters are release controlled from any one level, yet any individual Shutter may be raised or lowered independently. With the Counterweighted Model (as illustrated), each Shutter has its individual counterweight. The Sound Resistant Window (as illustrated) is rubber lined to reduce sound from the operating room entering the Auditorium.

Shutters and windows for other than normal size apertures listed on the next page can be supplied at extra cost, prices on application.

COUNTERWEIGHTED SHUTTERS



SOUND RESISTANT WINDOWS





# Sound Resistant Window & Counterweighted Shutters

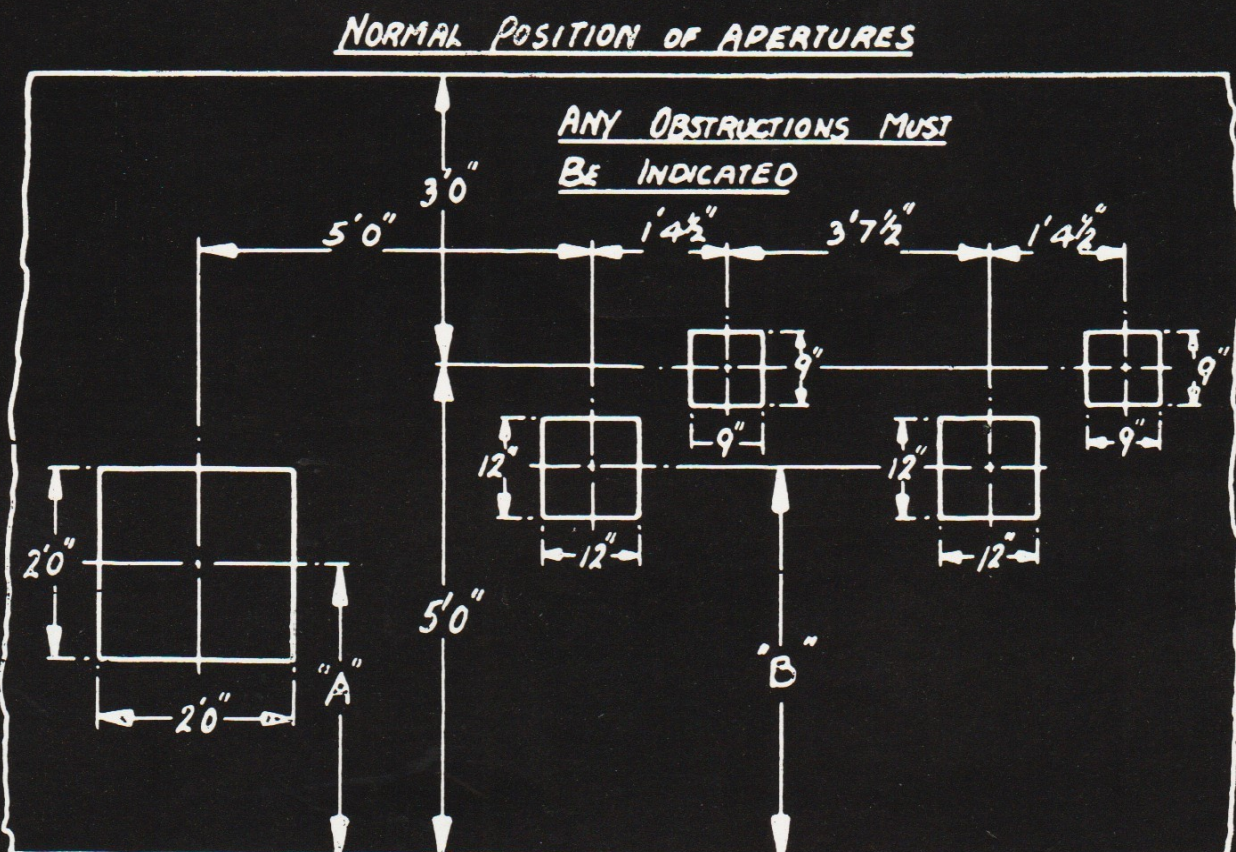
9" (229mm) x 9" (229mm)  
12" (305mm) x 12" (305mm)  
18" (457mm) x 18" (457mm)  
24" (610mm) x 24" (610mm)

Other sizes can be quoted for.

Items needed for Shutters include Basic Controls, Fusible Links, and Shutter Release Box (Auditorium).

Prices are shown on current price list.

When ordering please include sketch containing the dimensional data as enumerated in the diagram. This sketch should be drawn when FACING apertures FROM INSIDE the projection room.

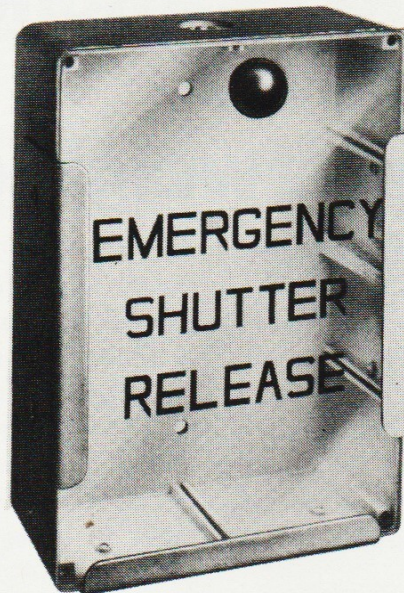




# Release Box

This box is manufactured to conform with Statutory Regulations stipulating an outside release control for the Fire Shutters of the operating room.

The neatest method of effecting this is to carry the pull-off cable through operating room through conduit inot a box fixed or recessed into the wall at the rear of the auditorium.



# Operating Booths

This photograph illustrates a Premier Projection Booth specially manufactured for the British Broadcasting Corporation and used for showing news rushes.

Of all metal construction it measures 11ft x 11ft x 7ft high, and is fitted with an air extraction fan, two doors and soundproof projection windows. It conforms to fire regulations, and can be erected and dismantled with comparative ease.

Premier Operating Booths are made to individual requirements, and the manufacturers are pleased to give quotations on submission of details.







## Spool Cabinets

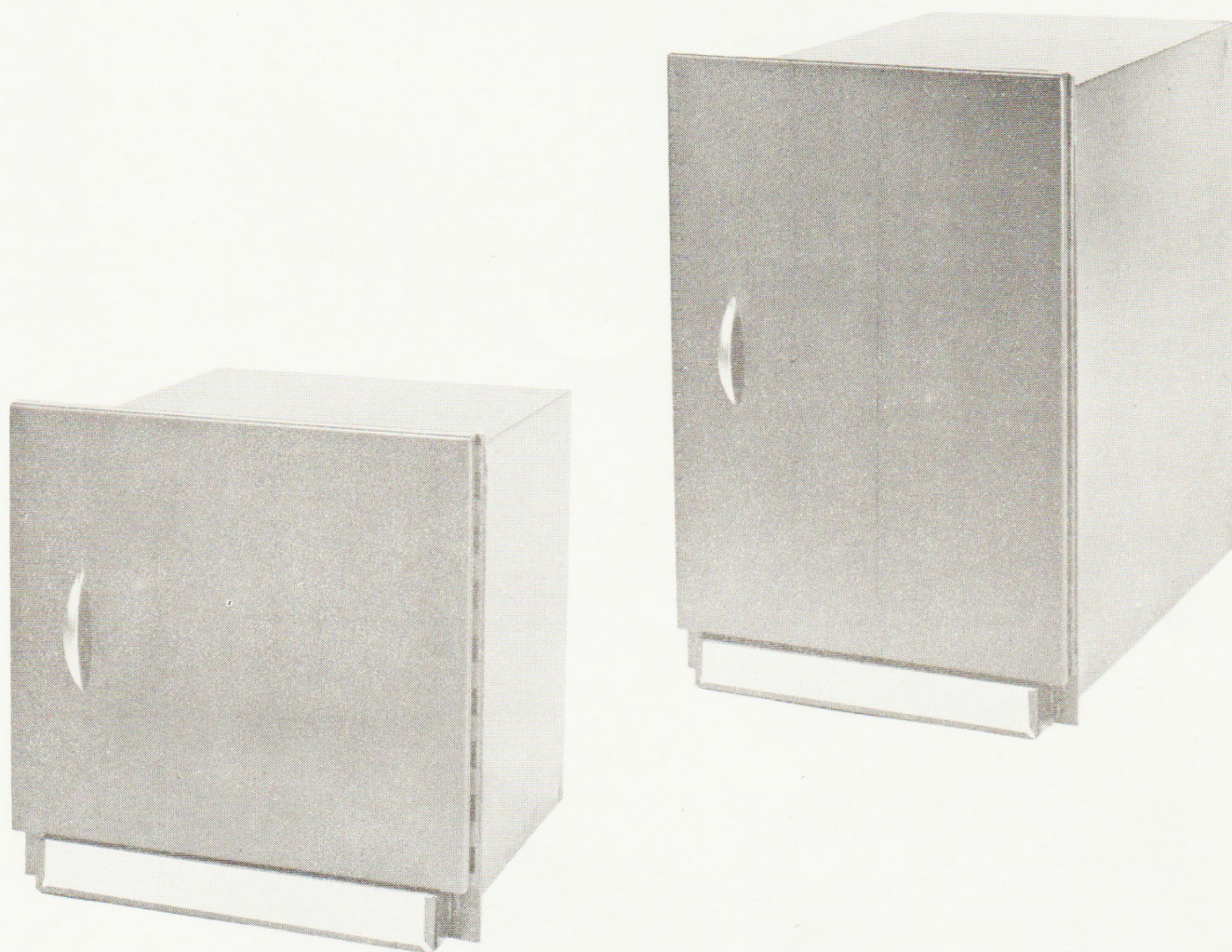
The new PREMIER range of SPOOL CABINETS covers all sizes and gauges of film. They are manufactured in six-way units only.

The cabinet is of all metal construction, rigid and hard wearing. It is attractively finished in a stoved enamel.

These cabinets have a single door which allows immediate access to the film spools which are in individual compartments. The cabinets can be stacked one above another.

Available for 70mm and 35mm, 25", 22", 17" or 15" diameter.

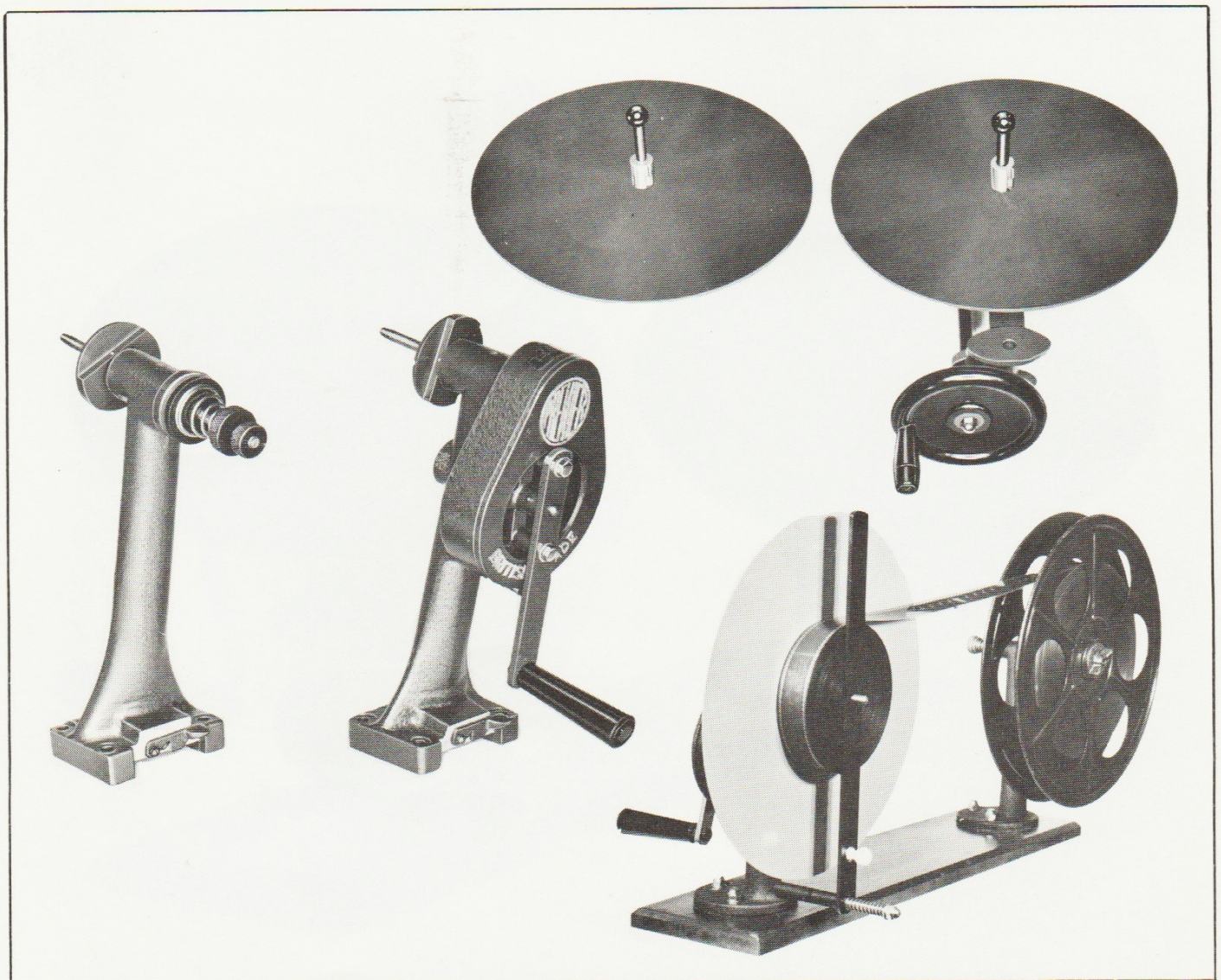
Other size cabinets and special cabinets can be quoted for and manufactured to customers' requirements.







# Rewinders





# Horizontal Rewinder

- \* Ideal for handling and inspecting unspooled or spooled film
- \* Can be fitted to any inspection bench or table
- \* Constructed with an adjustable handle spindle
- \* A low gear ratio for easy rewinding

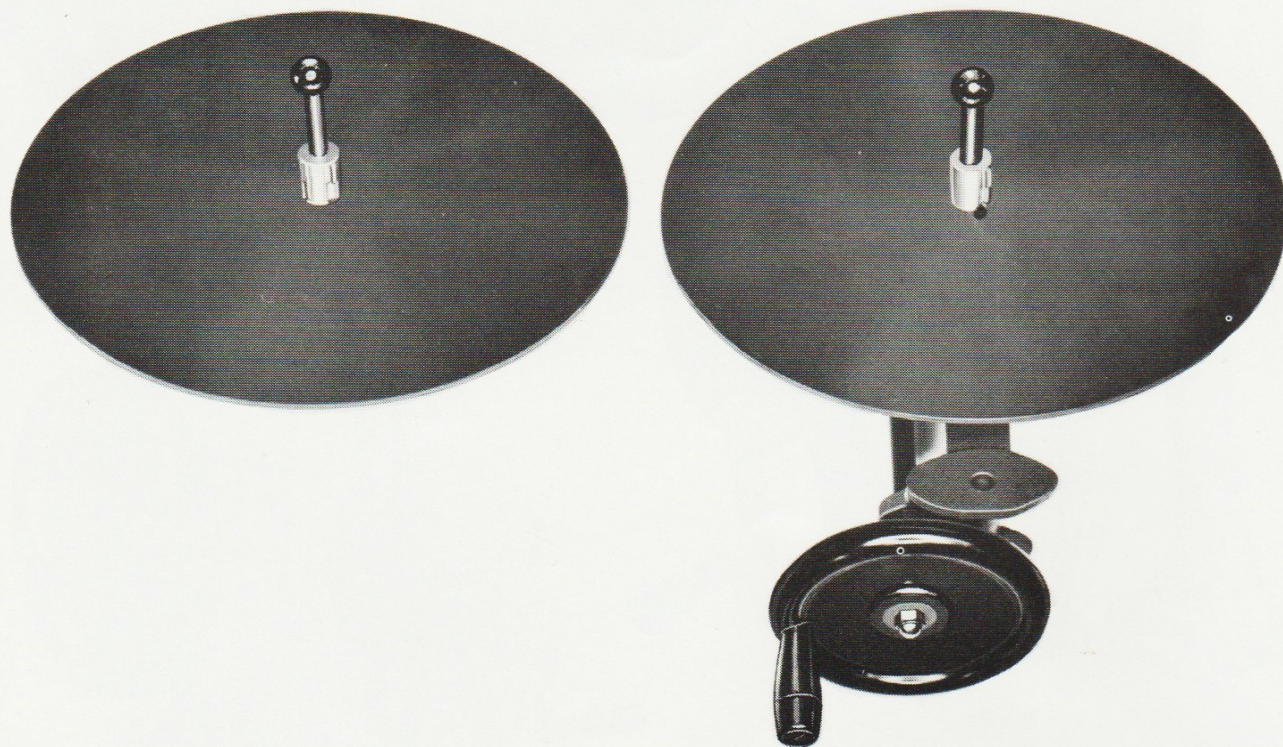
This well-established Premier Rewinder is designed for use with un-spooled film and it is in general use in all the leading Laboratories, Renting Houses and in fact, in all establishments where film is preferably wound or inspected horizontally.

The gears and driving spindle are under the table or bench top to which the assembly is bolted. The length of the driving spindle is adjustable to permit latitude in fixing. In the centre of the disc on the geared end there is a fitted key which engages with and locks into the bayonet fitting in the main casting under the disc; to the shank of this key there is secured an adaptor to take 2" diameter

standard bobbins. On the removeable disc at the idle end there is a 5/16" diameter fixed shank which can be inserted into the centre of a roll of film or bobbin. However, for a positive fit with 2" bobbins a keyed adaptor is available at extra cost. Adaptors for handling all types of spools can be supplied.

The Rewinder is strongly constructed to give years of service; the gears are helically cut in a ratio of 2:1 and are silent in running.

The model is normally supplied with one geared and one idling end, but can, of course, be supplied with two geared ends for two-way rewinding. 17" diameter discs are fitted.





# No 5 Rewinder

- \* Rewinds Spools up to 17" diameter
- \* Fitted with locking snick ends on both spindles
- \* Spooling-on and spooling-off is achieved with the film keep and plate
- \* Fitted with an adjustable friction clutch to ensure uniform rewinding.

This Premier rewriter is without question the most effective vertical rewriter yet manufactured. The use of lockable snick ends completely precludes the possibility of the spool coming off the spindle during rewinding.

The combined spooling-on-off plate, which is designed to spool from and on to the standard 2" diameter plastic bobbin, serves these dual purposes by the simple expedient of using it with either appropriate upright.

The film keep likewise is operated by transferring it to the appropriate upright; it is retained in position by engaging a small lever in either of the castings with the slot in the film keep spindle. The illustration below demonstrates spooling-on with the plate and keep at the idling end.

The rewriter is strongly constructed, machined to the finest accuracy, and finished in grey polychromatic enamel.

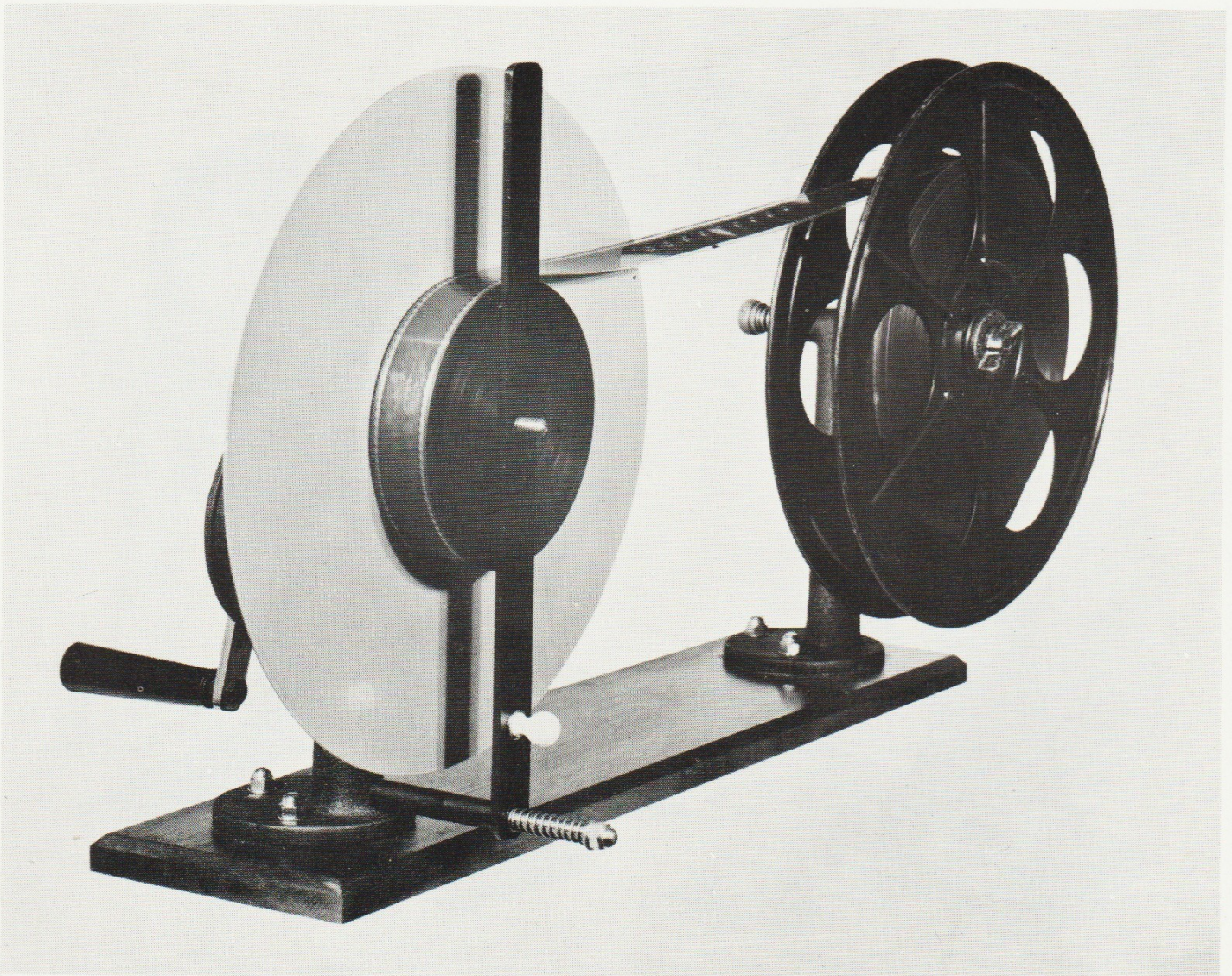
The gears are helically cut, ensuring both long life and smooth, silent running; they are in the ratio 3:1. All bearings have easily accessible lubrication points.

Available with 5/16", 3/8", 1/2" or 9mm diameter spindles.

Comprising one geared upright, one idle upright, one combined spooling-on-off plate with adaptor for use with 2" bobbins and one film keep.

A board can be supplied and quoted for.

N.B. When ordering (both rewriters and adaptors) please state spindle size.





# No 4 Rewinder

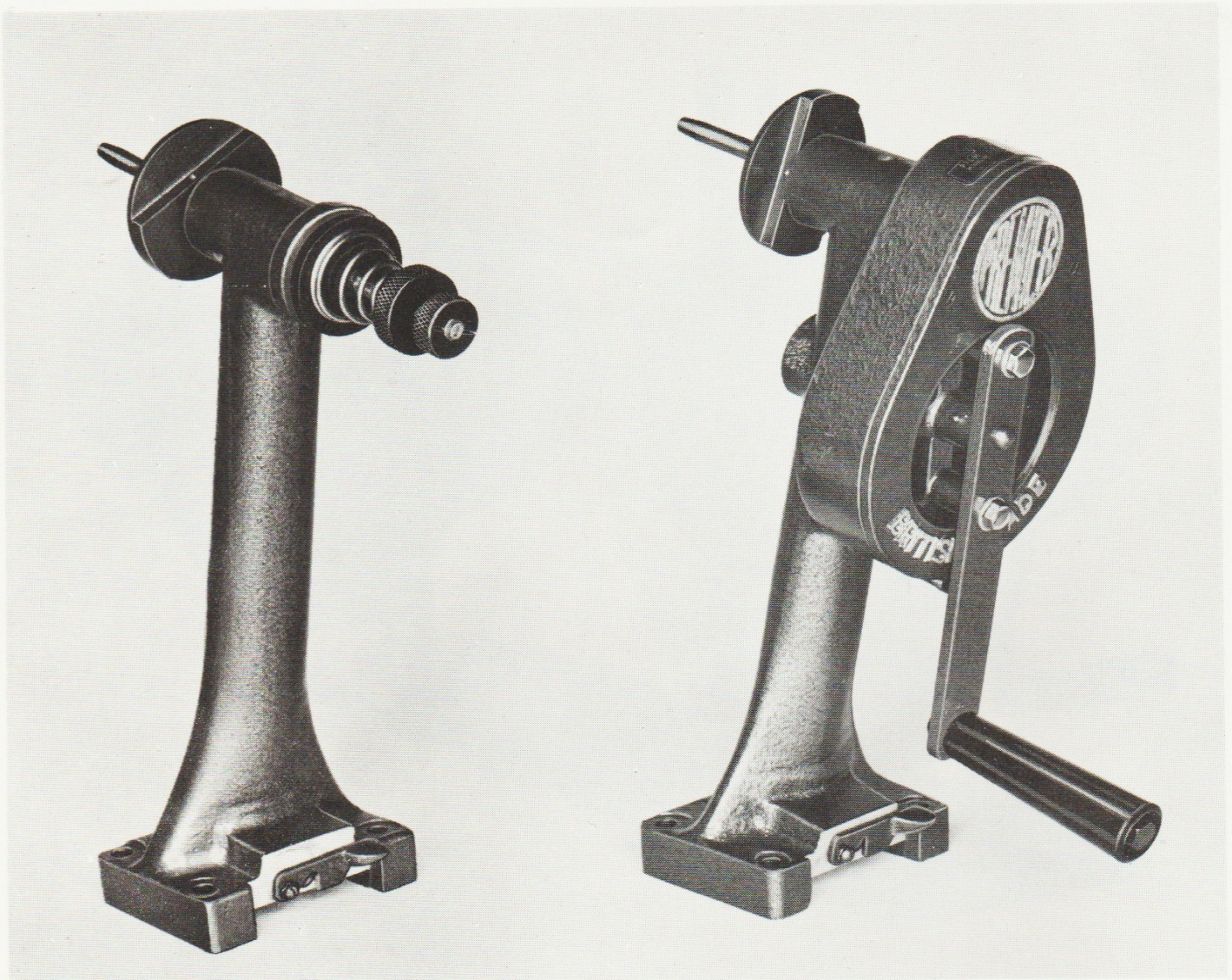
- \* Rewinds spools up to 25" diameter
- \* Handles spooled or unspooled film
- \* Is specially inclined for easy rewinding

This rewriter has been designed for spools up to 24" in diameter. To facilitate rewinding 25" spools ball bearings and a 2:1 gear ratio are provided. With the Premier combined spooling on-off plate and a film keep, unspooled film can be handled with the utmost ease. Both the plate and the keep are interchangeable between the two uprights, thus achieving spooling-on or spooling-off with only one plate. An adjustable friction clutch, fitted to the idling end end, maintains uniform rewinding throughout the spool.

Strongly constructed in cast aluminium and attractively finished in enamel, this rewriter is a necessity when large diameter spools have to be used. It can be supplied with 5/16", 3/8", 1/2" or 9mm diameter spindles.

N.B. When ordering (both rewriters and adaptors) please state spindle size.

MOTORISED VERTICAL AND HORIZONTAL REWRITERS FOR ANY FILM GAUGE ARE AVAILABLE AND DETAILS CAN BE SENT ON REQUEST.







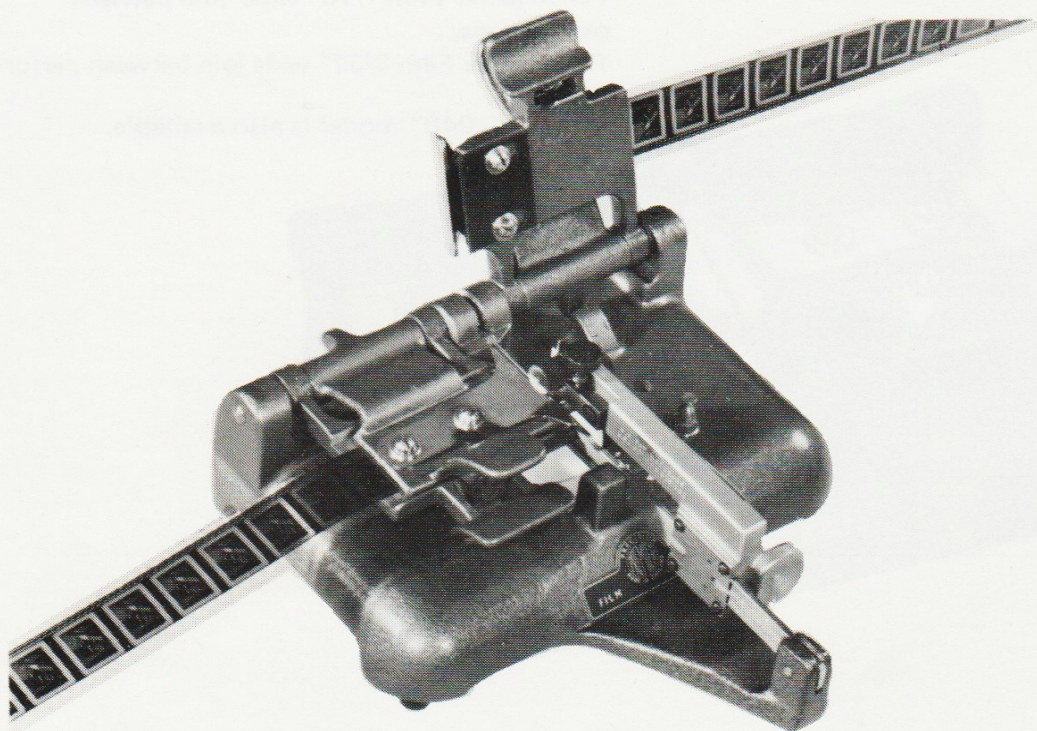
# 35mm de Luxe Splicer with Autoscraper

- \* Finest and fastest scraper in the world.
- \* It gives a precision preset scrape of even depth.
- \* It is designed to remove the emulsion and binder from the film stock and leave the celluloid ready to be welded to the other end.
- \* It is simple, easy and amazingly efficient and a boon to anyone joining film.

The method of operation is simple. By moving the scraper back and forth across the film, emulsion and binder are rapidly removed. The cutting blade is so set as to remove these two layers; further movement will not scrape away the celluloid. The whole attachment is precision machined and ground, the centre bar being of ground stock hard chromed. The actual scraping blade is made of high-speed tungsten steel. The cutting knives are of hardened steel.

The attachment as described above is a MUST in cinemas, Cutting and Editing Rooms, etc., if perfect joins are to be ensured.

A heater can be fitted to the joiner.  
Positive or negative model available.







# 35mm deLuxe Film Joiner

- \* A high precision joiner combining every demand for absolute and constant accuracy in performance with maximum speed in operation.
- \* This model embodies a special serrated scraper for use with Safety Base Film Stock which underwent satisfactory tests at the laboratories of Kodak Ltd.
- \* All components are interchangeable and spares are always available.
- \* The finest precision Joiner on the market, as used by leading cinemas, laboratories and film renters.

This model, substantially constructed of cast aluminium and gunmetal, is attractively finished in enamel with other parts polished and nickel plated.

The film ends are placed in the two clamps where two pins locate them correctly for alignment and overlap. The ends are then trimmed by separate guillotines on the underside of each clamp.

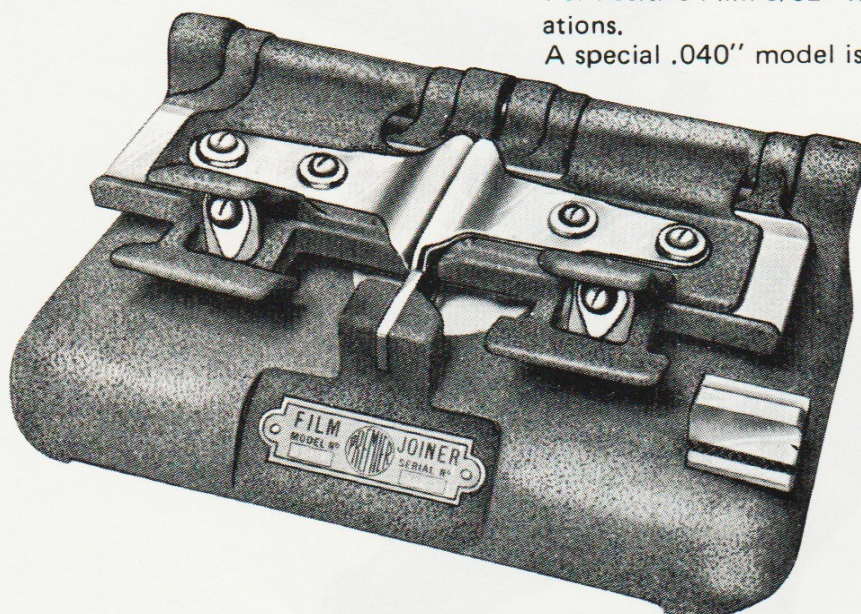
The special scraper is then applied to the film, removing the emulsion and part of the film base and leaving the latter slightly grooved to ensure a permanent 'weld' to the join edges. After applying the cement, the clamp is brought down and adjustable springs apply the correct tension.

This Joiner is available in two models:

For Negative Film 1/16" wide join between perforations.

For Positive Film 3/32" wide join between perforations.

A special .040" model is also available.







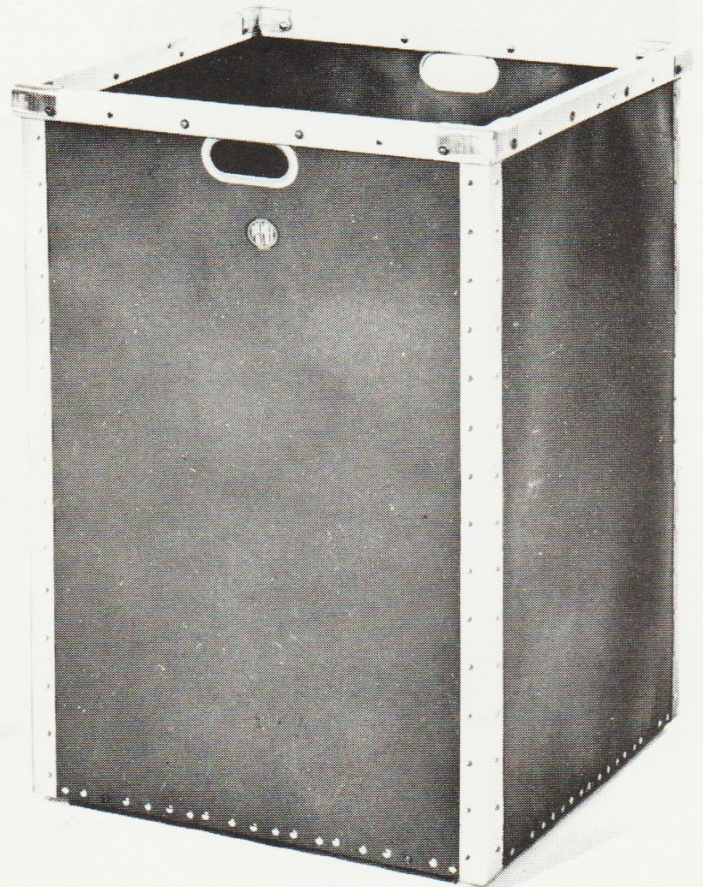
# Fibre Bins

- \* Strongly constructed in vulcanised fibre
- \* A necessity in every cutting and editing room
- \* Removable cloth lining
- \* Pin racks and cuts racks available

The Standard Round Fibre Bin illustrated below is 21" diameter, 30" high.

The Standard Square Bin is 21" sq x 30" high and is fitted with castors. Both types are strongly constructed in vulcanised fibre and have specially reinforced corners and bottoms. They are normally supplied with a removable cloth lining.

Other shapes and sizes can be supplied and can be quoted for specially against individual requirements. Cuts Racks of various types can also be supplied and are shown on leaflet 103.



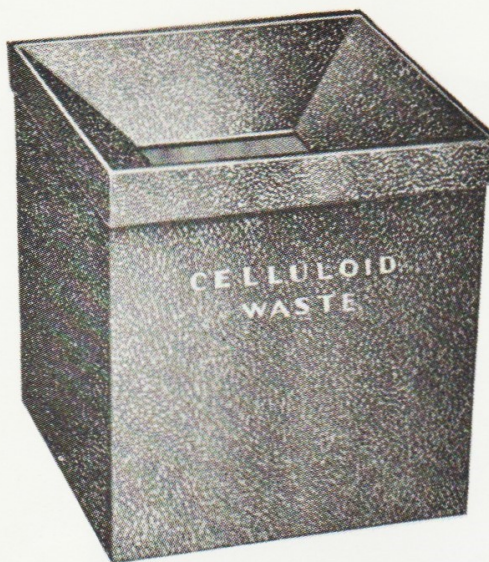
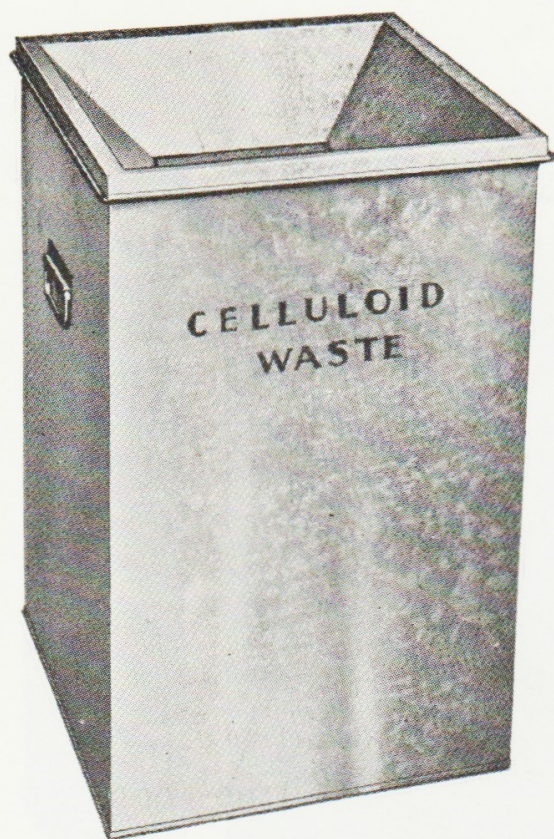




# Celluloid Waste Bins

- \* All metal construction
- \* Essential wherever film is handled.

The "Premier" Celluloid Waste Bin is a necessity wherever there is waste film. It is made from sheet metal with a removeable lid. The lid has a spring controlled flap to keep the bin permanently closed. The top can be easily removed for emptying purposes. The large model is 18" x 18" x 24" high and the small model 11" x 11" x 12" high.







# Premier Tape Splicer

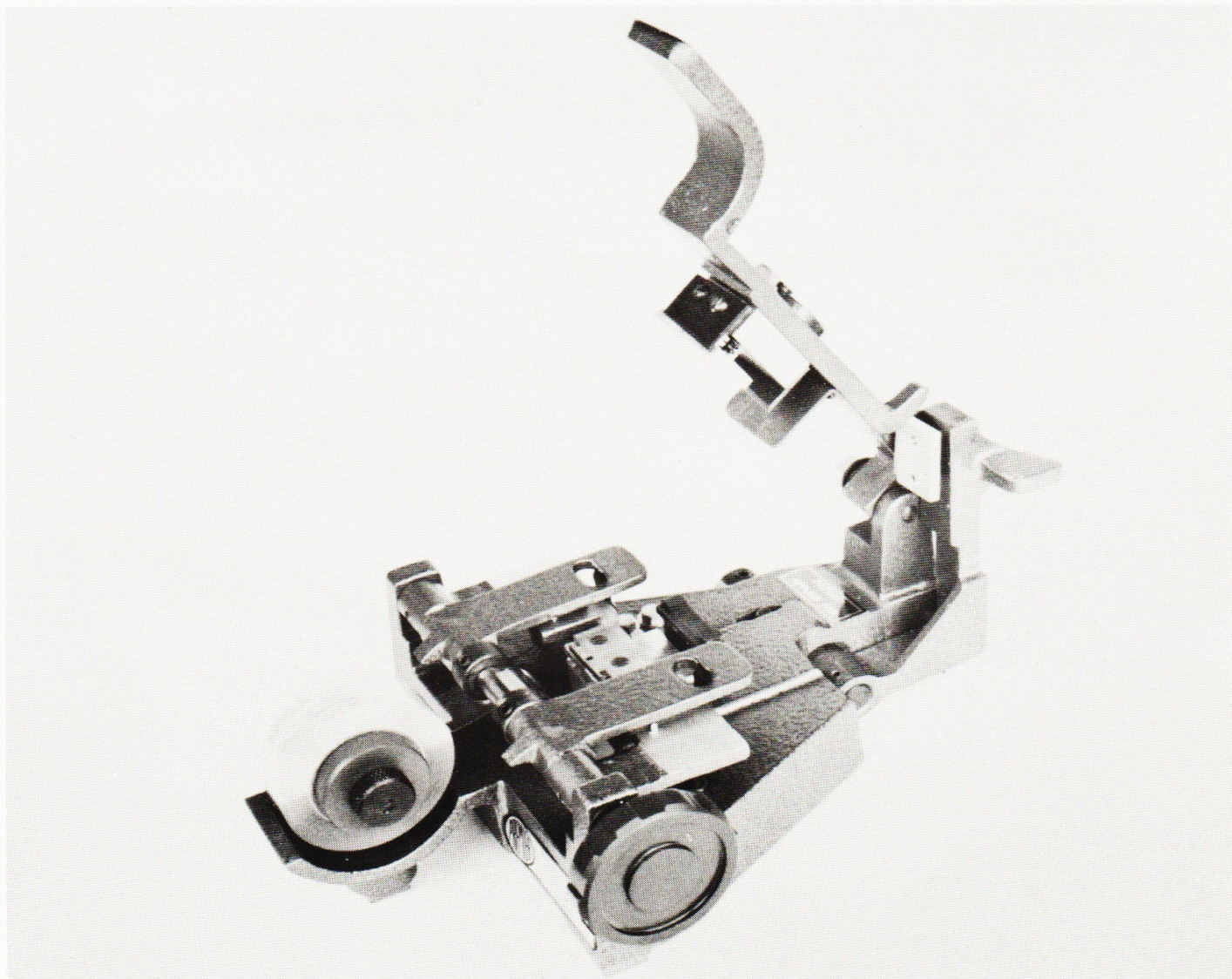
- \* Self Perforating
- \* Wrap Around or Single Sided
- \* Trims Perforates & Splices  
Without Moving Film
- \* Butt Splice
- \* Small & Compact

The new Premier Tape Splicer has been introduced to meet the modern needs of those needing a tape splicer. It is extremely simple and easy to use. It is strongly constructed to give long use. It has two very important features, the first is that the film when placed in position has all the operations done around it and the second feature is that both a wrap-around splice and a one-sided splice can be made with the same machine.

In operation the film is placed on the film beds, the guillotine is then operated which trims the film to give a butt join. The tape is then pulled over the film and the combined perforator and tape trimmer is operated. By moving the film beds to a vertical position the tape can then be wrapped around the film and then removed spliced. If, however, a single sided splice is used the film is removed immediately after it is perforated.

To achieve either type of splice the tape trimmer block is removed and put in which ever position is required.

Models are available for 16mm and 35mm film and 8mm and Super 8mm. The splicer is of all metal construction, attractively stove enamelled and is small, compact and light. A diagonal cutter can be fitted if required as an extra to the 16mm and 35mm versions.







# Quik Splicer

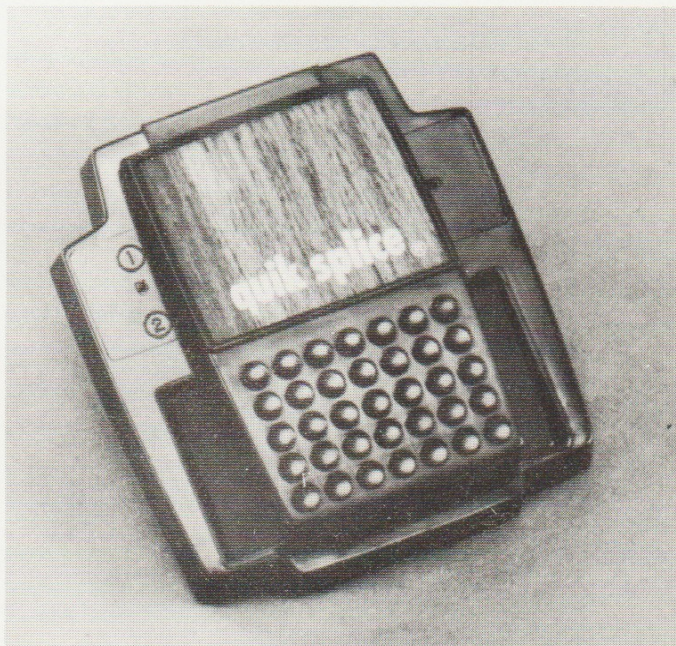
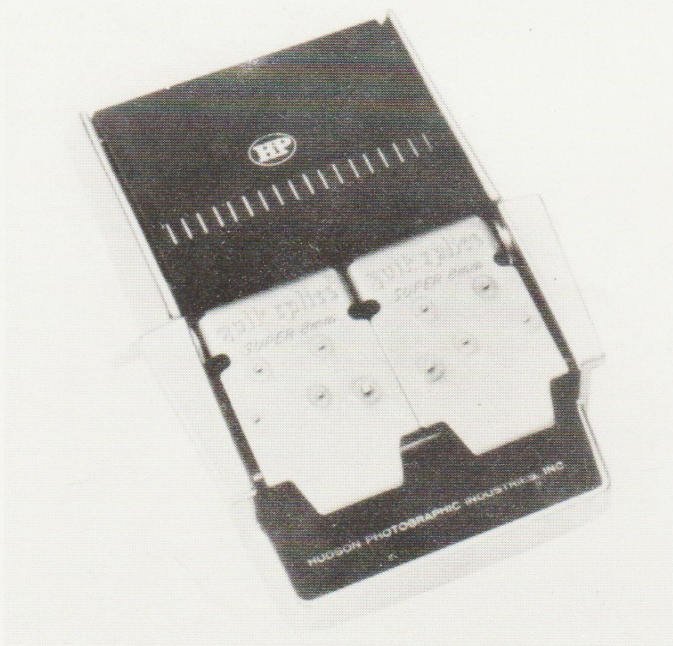
- \* Precut self perforated adhesive tape
- \* Small & Compact
- \* Butt Splicing
- \* Inexpensive

- 1 Model 253, 35mm Film Splicer
- 2 Tape: T35DP (100 splices)
- 3 Model 230, 16mm Butt Splicer
- 4 Tape: T16SDP (200 splices)
- 5 Model 225, Super 8mm Butt Splicer
- 6 Tape: T8SDP (200 splices)
- 7 Model 116, Splicer for 1/8 Cassette Tape
- 8 Tape: TRCP (500 splices)
- 9 Model 115, Splicer for 1/4" Recording Tape
- 10 Tape: TRTDP (500 splices)

The Quik Splicer is a new addition to the range of Premier splicers. Designed specifically for those who want an inexpensive tape splicer.

In operation the film is positioned on the pins on the bed of the splicer and it is trimmed to give a butt splice. A piece of pre-perforated adhesive tape is then applied. This tape is specially devised for easy location on the film. If tape is required on both sides the film is turned over on the splicer and another piece applied.

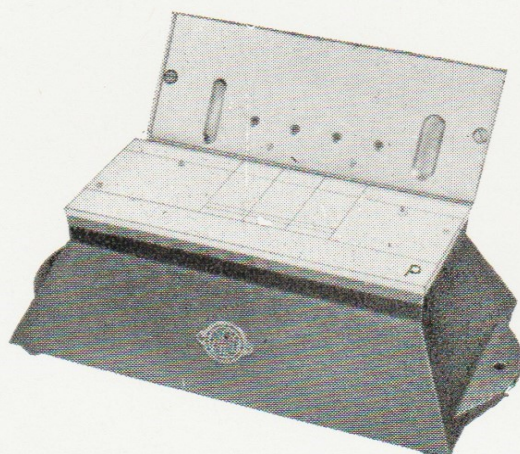
Examples of splicers and tape are illustrated below.







## *AUTOMATIC* CUE-DOT MARKER



- ★ Applies 4 perfect cue marks simultaneously.
- ★ Ideal for Television and Wide Screen presentation.
- ★ Interchangeable plates for positive and negative film.
- ★ Cannot damage the film.

The "Premier Automatic Cue-Dot Marker" cannot damage or cut the film and it scribes four extremely neat cue marks simultaneously.

The base is cast aluminium and the top plate Duralumin, the plate on which the film lies is opaque Perspex, engraved and fitted with pins so as to give automatic alignment for the film to be marked. This Perspex plate is positioned on the base by two register pins. The scribing cutters are hardened steel. Two Perspex plates are supplied with each marker, one for positive and one for negative film. Special plates can be supplied for other types of film. Four rubber feet are fitted on the base.

The base of the Marker is attractively finished in a stove enamel and the Duralumin top plates are polished.

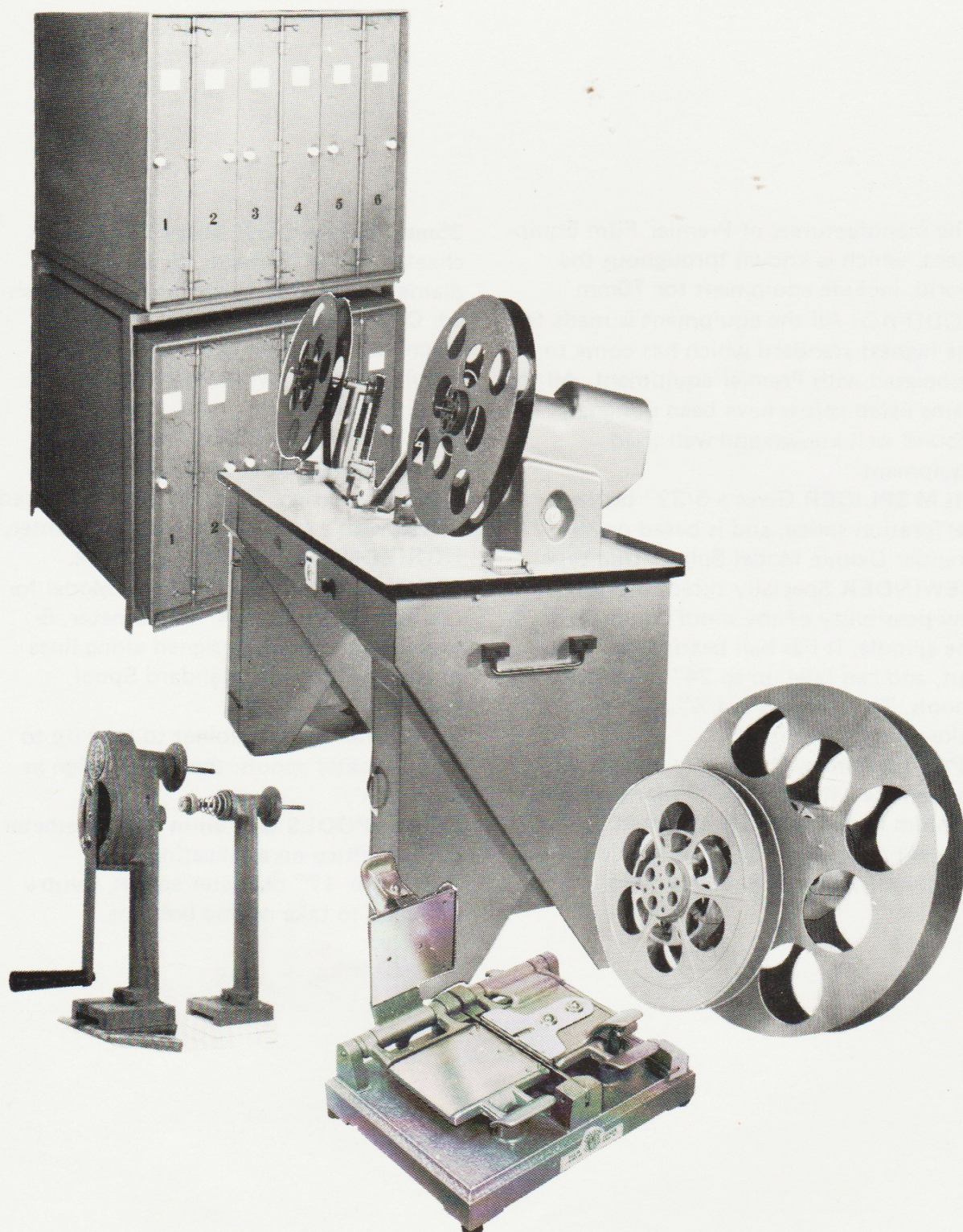
In operation the film is positioned on the pins on the Perspex plate, the Duralumin top plates lowered, and then by moving the plastic knob from left to right two or three times, the four marks are scribed on to the film.

The diameter of the Cue Marker for both 16 mm. and 35 mm. is .042". This size is particularly useful on wide screen cinema presentation where larger marks are objectionable. The smaller size is also eminently suitable for television use.





# TODD-AO (70mm)







# Equipment for TODD-AO

The manufacturers of Premier Film Equipment, which is known throughout the world, include equipment for 70mm TODD-AO. All the equipment is made to the highest standard which has come to be associated with Premier equipment. All the items listed below have been designed around well-known and well tried equipment

**FILM SPLICER** Gives a  $3/32''$  between perforation splice, and is based on the Premier Deluxe Model Splicer (file type).

**REWINDER** Specially tilted to prevent any possibility of the spool coming off the spindle. It has ball bearings throughout, and can take up to 24" diameter spools. The spindles are  $1/2''$  and two take-up pins are fitted.

**SPOOLS 70mm.** Duralumin cheeks 22" in diameter, fitted with 8" diameter aluminium centre hubs steel bushed to prevent excessive wear. The whole spool weighs only 9lbs. Extremely rigid.

**35mm.** Stamped and ribbed aluminium cheeks, 17" in diameter, fitted with 8" diameter cast aluminium hubs; steel bushed. Cast aluminium spacers, precision machined, fitted on either side of the spool cheeks allow for automatic lining-up in the projector.

## **MEASURERS - VERTICAL MODEL**

Based on the well-known Premier Measurers design. 32 tooth sprockets used. Fitted with a four figure footage counter.

**HORIZONTAL MODEL** - available.

**SPOOL CABINETS (a) 70mm.** Model for taking spools up to 24" in diameter, 6-way compartment, designed along lines of the new Premier Standard Spool Cabinet.

**(b) 70mm.** Spool Cabinet to take up to 18" diameter spools; the same design as Model 'A';

**SPLIT SPOOLS (a) 70mm - 22" diameter cheeks** - Price on application.

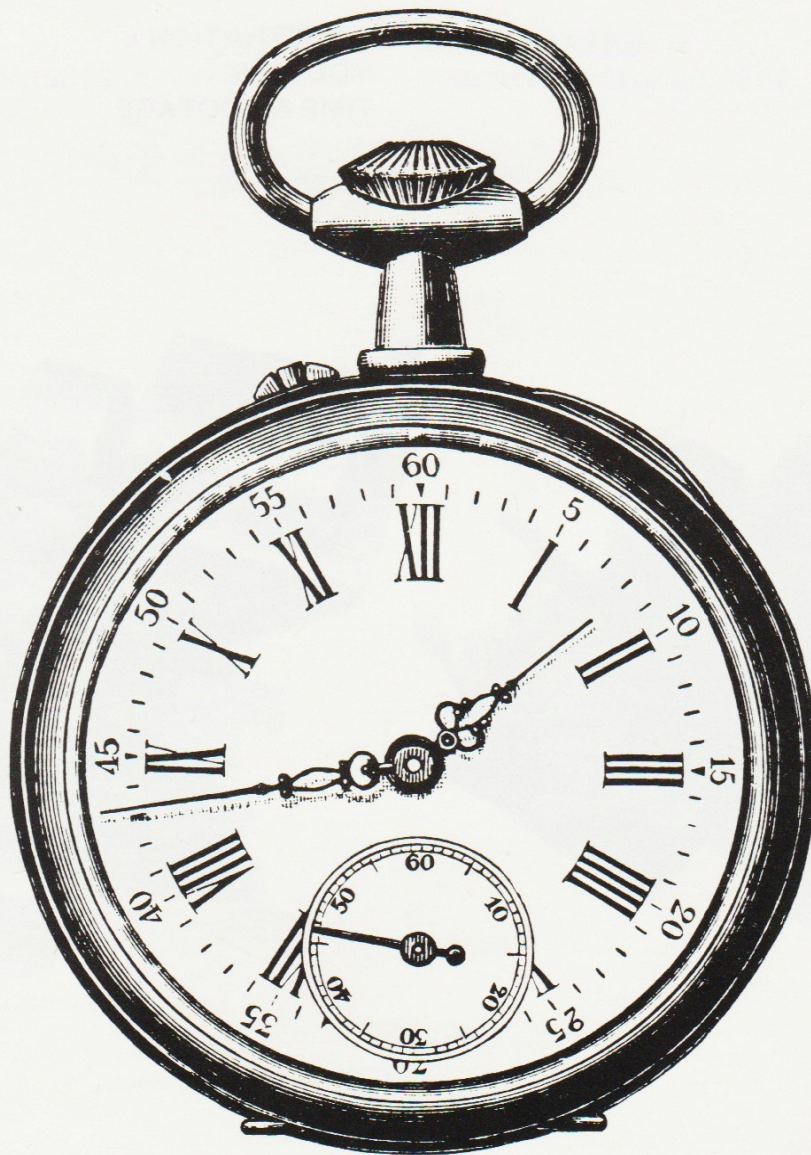
**(b) 35mm** 17" diameter spools, Centre designed to take plastic bobbins.





# Time Counters

## 35mm & 16mm







# Time Counters

ILLUSTRATION A  
MODEL 'A'  
TIME ONLY

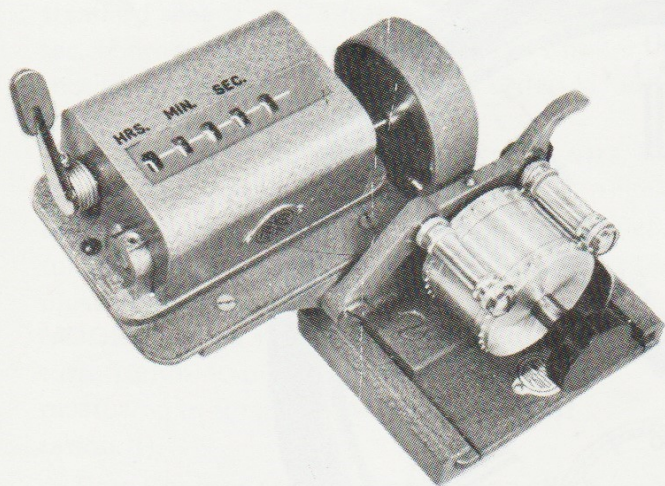
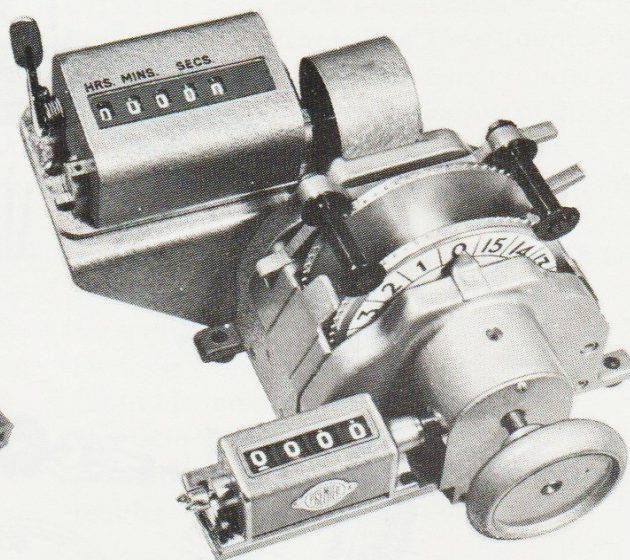


ILLUSTRATION B  
MODEL 'B'  
TIME & FOOTAGE





- \* Directly measures film in hours, minutes seconds and frame/seconds (1/100th Second)
- \* Gets rid of Conversion Charts
- \* Models available for measuring in time and footage
- \* Instantaneous reset time counters
- \* Essential for television

- \* Time counters operate for 25 or 24 frames per second  
(Unless otherwise stated models for 25 fps will be supplied)
- \* Horizontal and Vertical models available
- \* All Premier de luxe Synchronisers can be supplied with time counters
- \* The only universal standard - time.

ILLUSTRATION C  
TIME & SYNCHRONISING

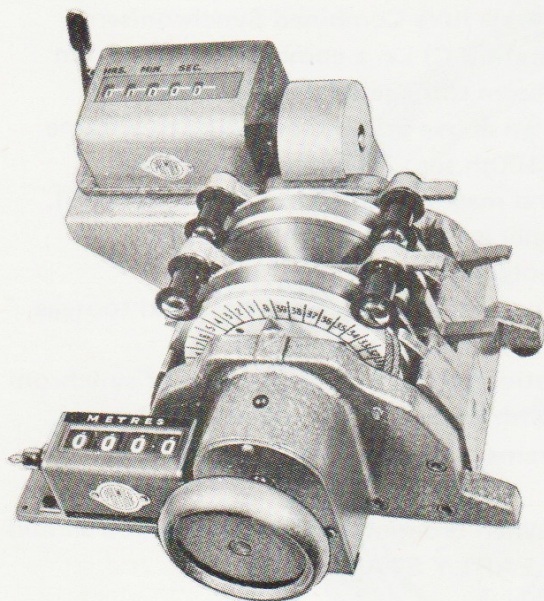
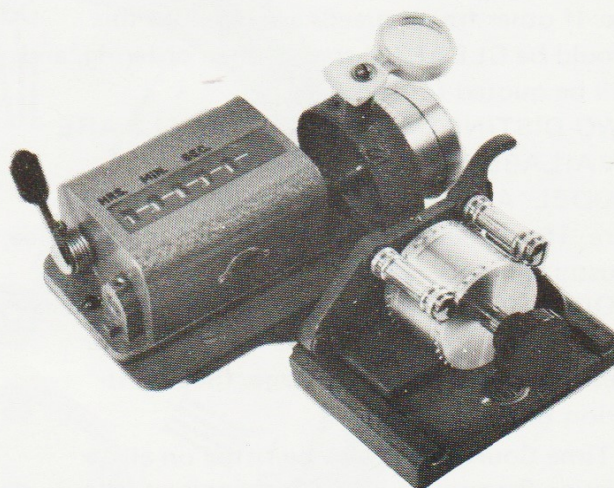


ILLUSTRATION D  
TIME WITH FRAME/SECS







# Time Counters

The Premier Time Counter is an entirely new piece of equipment designed specifically to meet the growing need of television. It is precision machined and extremely easy to use. The hours, minutes and seconds wheels on the counters are of a different colour for easy identification; and the counter itself has an instantaneous reset lever. Fractions of a second (i.e. frames) are on a separate dial to enable the film to be measured to 1/100th of a second (one frame). This facility is quoted for specially. The standard speeds are 25 frames/sec., or 24 frames/sec. If other frame speeds are required this should be **CLEARLY** stated when ordering, and will be quoted for specially.

**TWO DISTINCT VERTICAL MODELS ARE AVAILABLE FOR 24 or 25 f.p.s.**

MODEL 'A' has a small sprocket (35mm 8-picture, 16mm 20-picture) with a time counter. (See illustration A).

MODEL 'B' has a large sprocket (35mm 16-picture, 16mm 40-picture) This is supplied for measuring in time and footage. (See illustration B).

A Time Counter can also be fitted on all existing Premier de luxe Synchronisers, allow-

ing a very useful conversion to take place, and making them suitable for every use. (See illustration C).

- \* MODEL 'A' — TIME ONLY (Illustration A)
- MODEL 'B' — FOOTAGE and Time (Illustration B)
- \* Additional Cost for fitting Time Counter on Premier de luxe Synchronisers, with all sprockets of the same gauge shown on leaflet.
- \* Additional Cost for fitting Time Counter on Premier de luxe Combined Synchronisers (Illustration C) i.e. a combination of 35mm and 16mm sprockets shown on leaflet. Extra on above prices for reading to a frame i.e. 1/100th sec. This requires a special dial and magnifier as shown (Illustration D). It is only available for 24 or 25 f.p.s. By quotation.
- De Luxe Horizontal Model, time and footage, (not illustrated) by quotation.
- Quotation for fitting other makes of synchronisers with Time Counters against individual requirements (Great Britain only).

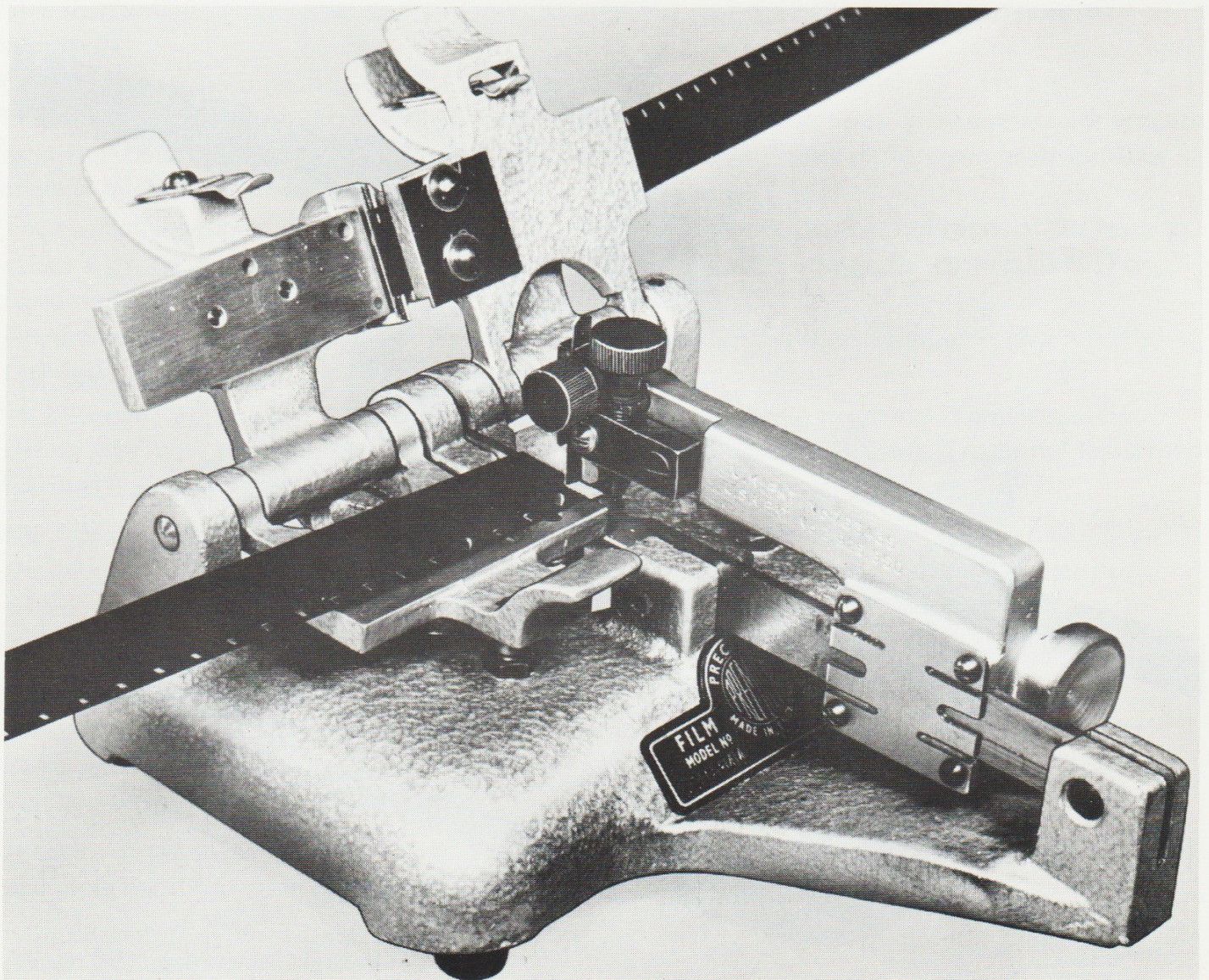
N.B. When ordering film speed required should be **CLEARLY STATED**.





# De Luxe Film Joiner File Type & Auto Scraper

16mm





# De Luxe Model Film Joiner (file type)

- \* High precision Joiner for use on both 16mm and 8mm film stocks.
- \* Models for positive and negative/reversal film cutting.
- \* Special locating pins for perfect alignment and overlap irrespective of variance of film stock.
- \* Rubber feet to prevent unit sliding.
- \* All component parts interchangeable — Spares always available.
- \* The finest Precision Joiner on the market — proven by years of service in leading laboratories, film libraries, government departments, editing rooms, TV studios, etc.

Unperforated Models Available

## SENIOR DE-LUXE MODEL

Having specially enlarged film bed for reverse insertion of single perforation film stock.

Modelled from 35mm unit to meet particular professional requirements described in detail in leaflet 100A.

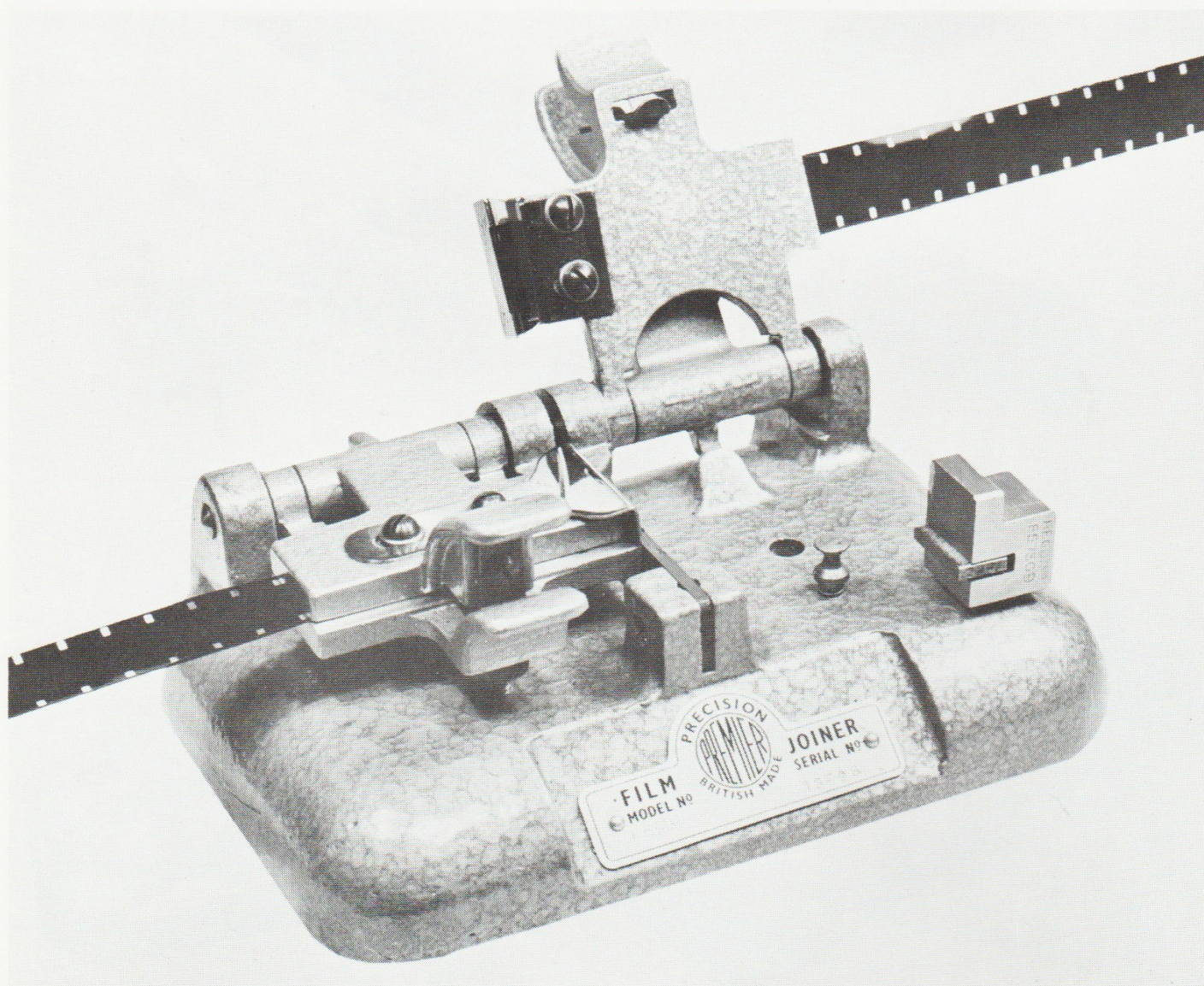
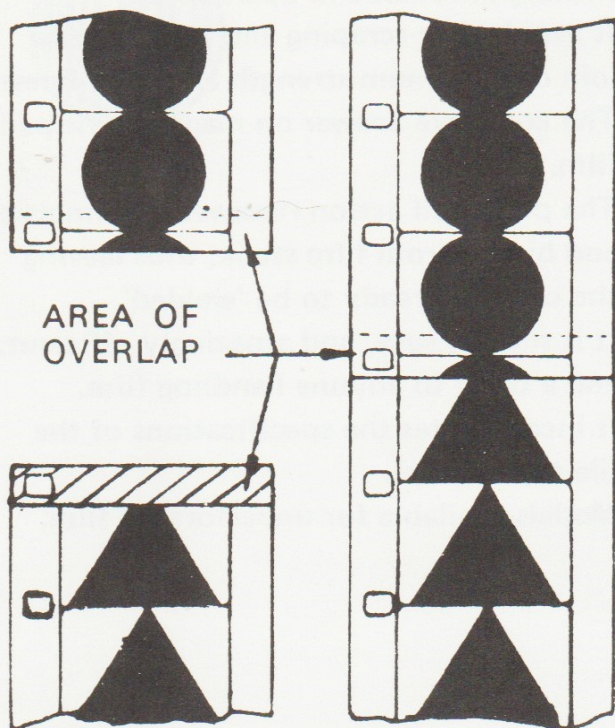


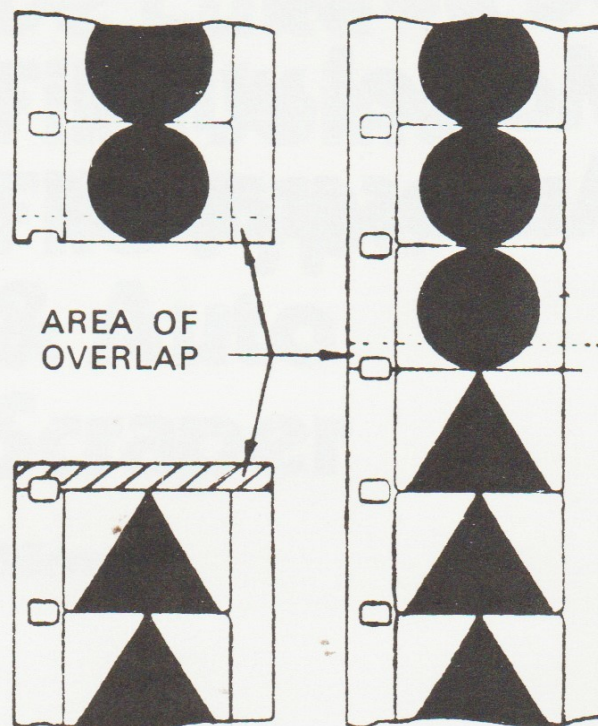


DIAGRAM 'A'



$\frac{3}{32}$ " FULL PERFORATION JOIN

DIAGRAM 'B'



$\frac{1}{16}$ " FRAME LINE JOIN

This instrument is machined to fine limits throughout to ensure the highest professional standards.

Over 50% increase in join output can be achieved by fitting heater unit.

Each piece of film is held by separate clamps and trimmed automatically by cutters underneath each film bed. Flexible pressure springs give *correct* and *even* pressure to remove air bubbles prevent buckling of the join.

The specially designed Dry Scraper Unit (File type) operates with the minimum of pressure to effect a strong and permanent 'weld' at the overlap. It is very suitable for striped film. (For Automatic Scraper Unit see overleaf).

Attractively finished in stove enamel and polished nickel plate, it is available in two models:—

**(1) Positive Film Model. (16/8 mm.) (See diagram 'A')**

This model gives a  $\frac{3}{32}$ " (2.38mm) full perforation overlap join resulting in an extremely strong join most suitable for use on all 16mm prints (b&w and colour). It is essential equipment for film libraries, for rough cutting in editing rooms and film repair work generally.

**(2) Mask Line Model (16/8mm) (See diagram 'B')**

Designed to give a narrow  $\frac{1}{16}$ " (1.59mm) mask line join, it has been specially developed for editing purposes to avoid a composite frame when marrying two *different* film shots.

Unlike the usual perforation join where the impingement at the top of the frame produces "flash" on the screen, the mask line join is rendered virtually invisible because there is no overlapping of different frames and because the join is contained within the *bottom* of the frame where densities are normally greatest. The latter advantage is further assisted by the fact that audiences normally view two-thirds of the way up the screen.

It forms an essential equipment when editing 16mm original material, (negative, reversal, b&w or colour) and *its narrower overlap is particularly useful on all 8mm film stocks.*

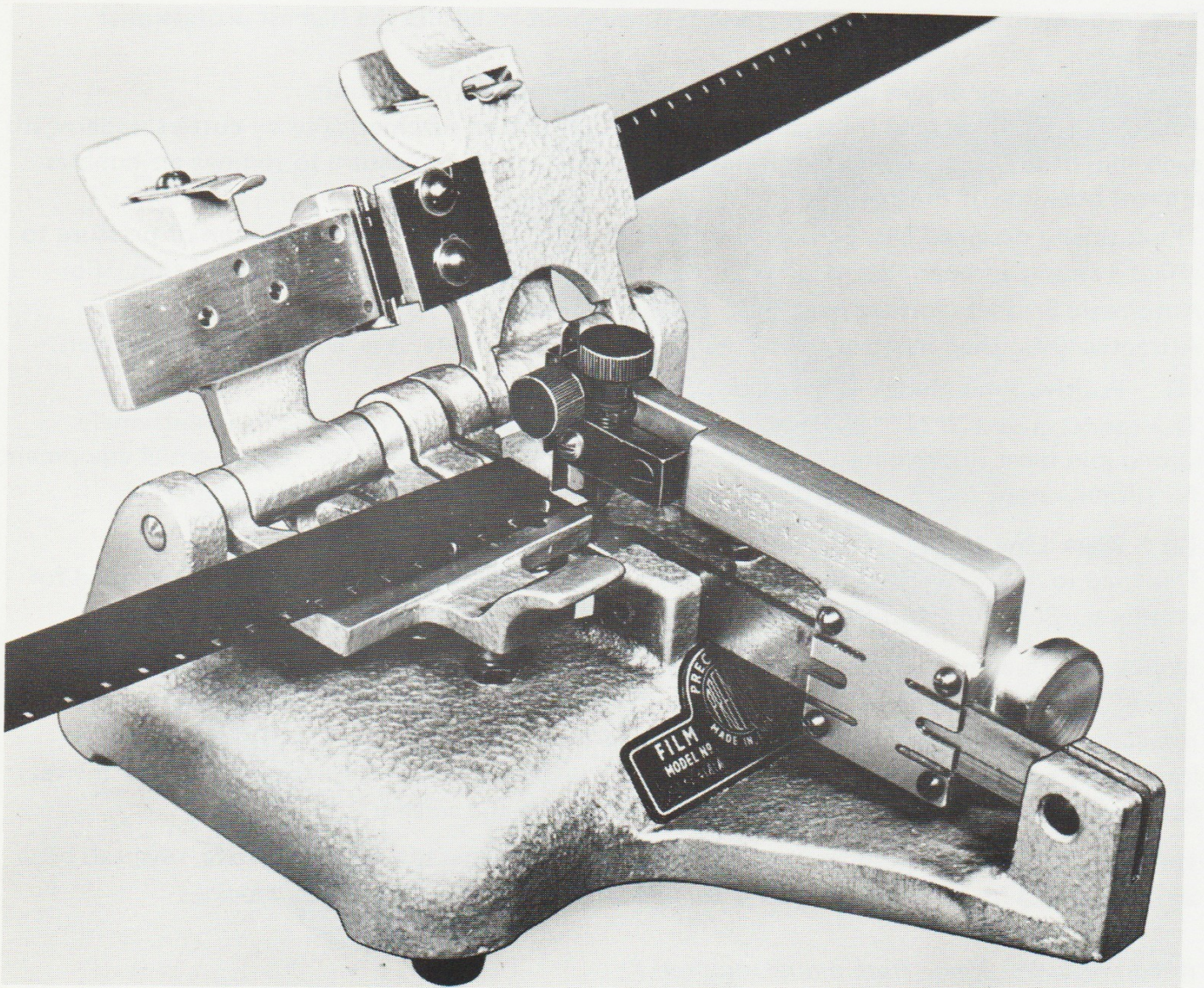
*(When ordering please state model required.)*



# De Luxe Model with Autoscraper

- \* It considerably speeds up splicing, being entirely automatic in operation.
- \* It avoids over-scraping and guarantees a join of maximum strength and cleanliness.
- \* The complete answer on magnetic striped film.
- \* The push/pull action removes the emulsion and binder from film stock, thus leaving the celluloid ready to be 'welded'.
- \* It is simple, easy, and amazingly efficient, and a boon to anyone handling film.
- \* It incorporates the specifications of the file type model.

Models available for unperforated film.

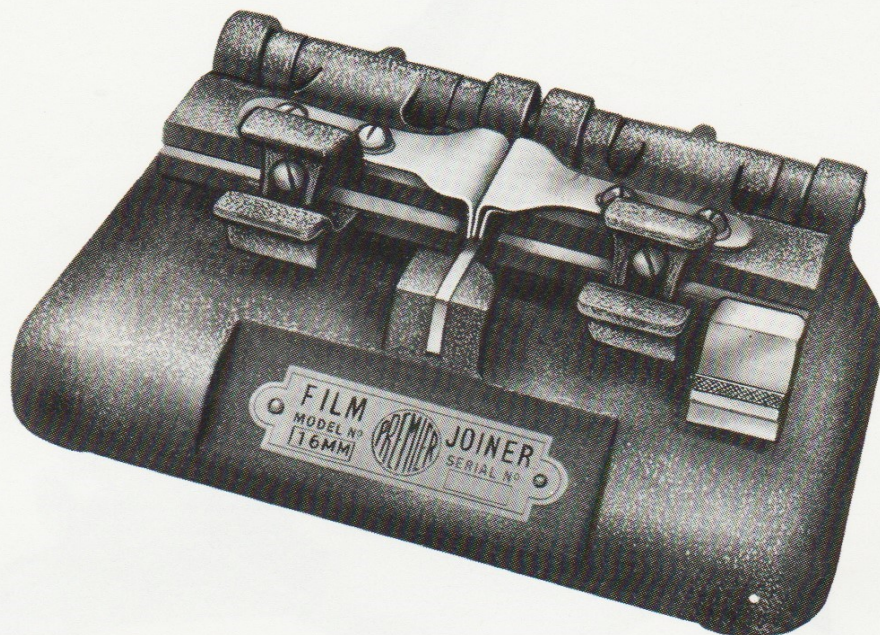
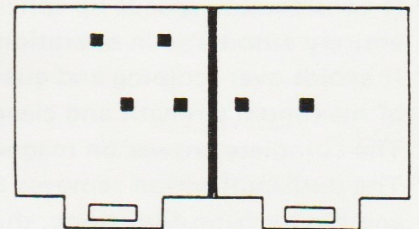
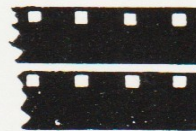






# 16mm Senior de Luxe Film Joiner

- \* Heavy Duty Precision Film Joiner for Positive and Negative/Reversal Film cutting.
- \* Extra film location for double scraping both film base and emulsion simultaneously.
- \* Double scraping action ideal for:—
  - (1) Strong smooth joins.
  - (2) Joins on magnetic striped stock.
- \* Can be fitted with our unique Automatic Film Scraper and our Heater Unit.
- \* Combining every demand for absolute and constant accuracy in performance with maximum speed in operation.



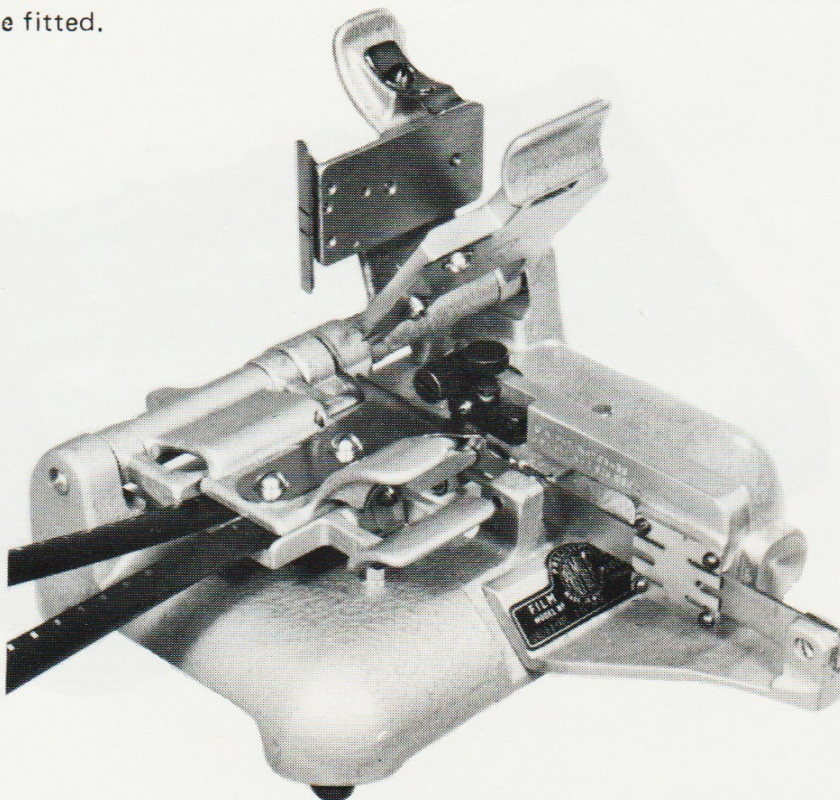
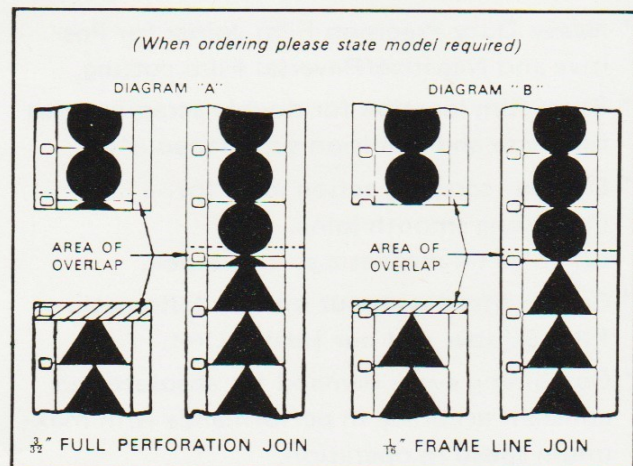




# Senior de Luxe Joiner with Autoscraper

- \* It considerably speeds up splicing, being entirely automatic in operation.
- \* It avoids over-scraping and guarantees a join of maximum strength and cleanliness.
- \* The complete answer on magnetic striped film.
- \* The push/pull action removes the emulsion and binder from film stock, thus leaving the celluloid to be 'welded'.
- \* It is simple, easy and amazingly efficient, and a boon to anyone handling film.

NOTE: When ordering, please state whether 3/32" (2.38mm) or 1/16" (1.59mm) is required. A special .040" (1mm) model is also available. A heater unit can be fitted.

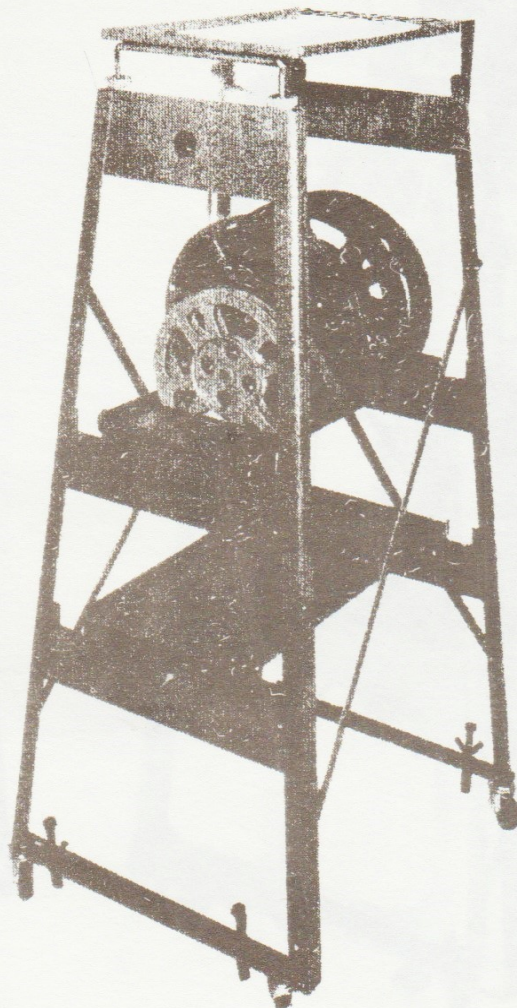






# Projector Trolleys & Stands

**MOBILITY PORTABILITY RIGIDITY STABILITY**





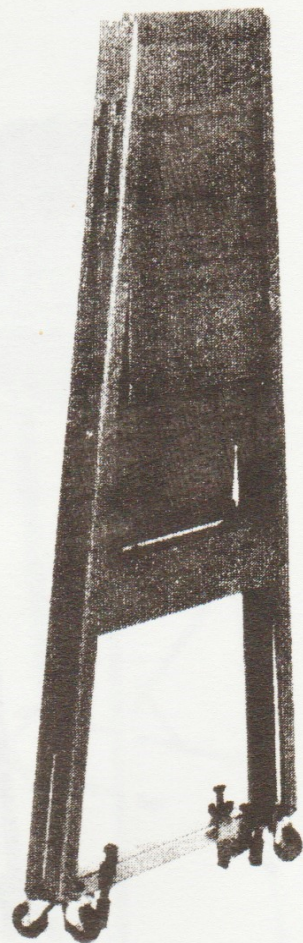
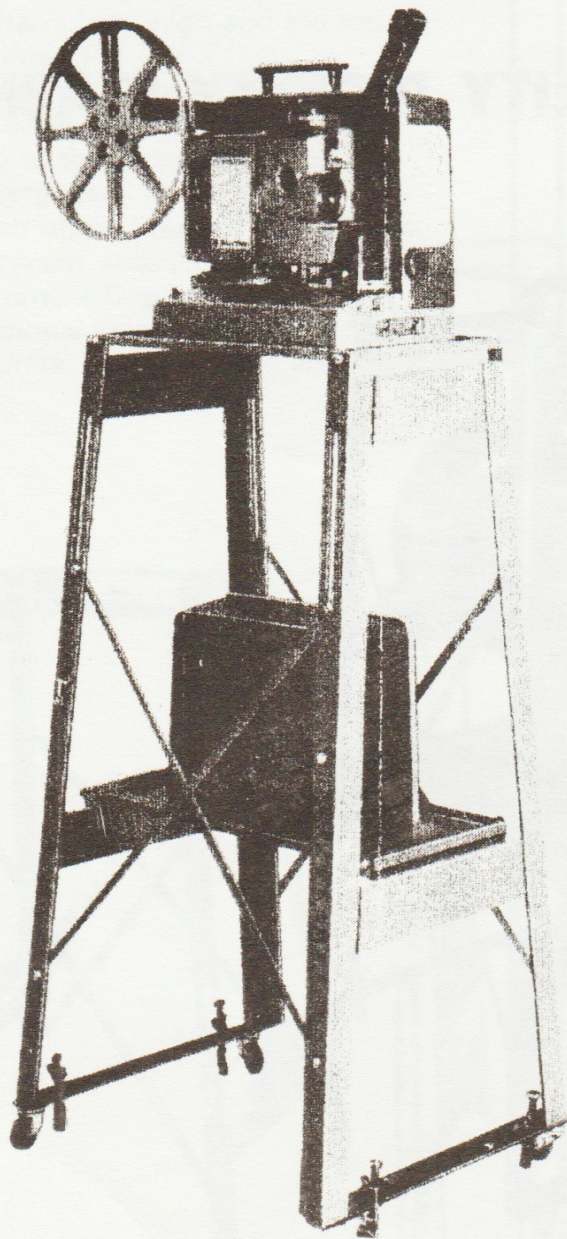
# Junior Trolley

Comprises a radiused angle steel frame and supporting side bars to guarantee absolute rigidity.

The Trays fit within the frame when the Stand is folded up flat, and it is erected or collapsed merely by loosening six wing nuts and folding the trays into position.

The Stand is 4' 3'' high and the generous proportions of the platforms measuring 21'' x 13'' and 24'' x 11'' respectively, accommodate any Projector and its accessories. Fitted with castors.

Ideally suited to education Establishments, Mobile Cinemas and the Home. Superbly finished in Grey Polychromatic Enamel.





# De Luxe Trolley

The Deluxe Model is the most sophisticated of the range. It is fitted with both castors and fine screw adjustable feet; the former for mobility and the latter to counteract floor unevenness. These feet are independently adjustable to maintain correct picture alignment with the screen and in operation will lock the Stand in any pre-set position.

The unit has three platforms measuring 21'' x 13'', 18'' x 12'' and 20'' x 14'' respectively. The top Projector platform has a fine thread tilt adjustment 7 degrees up or down.

The stand is 4' high to allow for a clear projection beam. The whole unit is most compact and portable, and can be quickly assembled or closed without loose parts. Attractively finished in stove enamel.





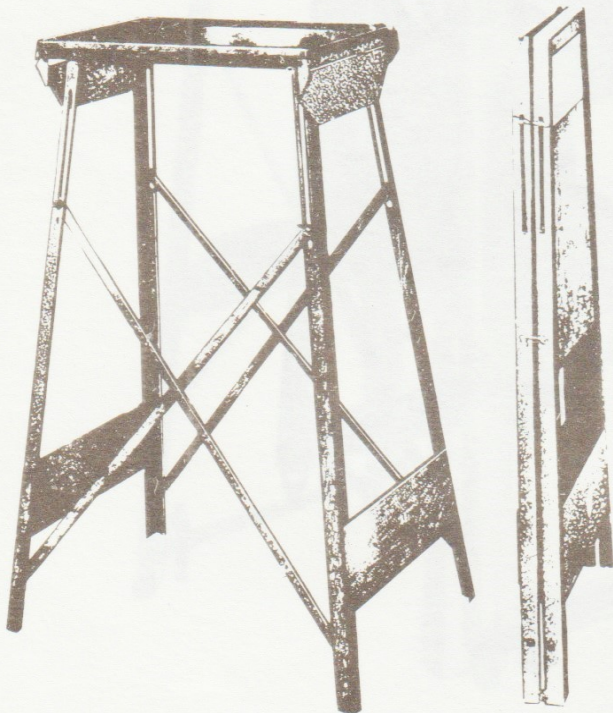
# Standard Model

This very popular Stand, as shown in the illustration, folds up flat with the top tray folding inwards, and the Stand thereby occupies a minimum of space and is easily portable.

The whole unit is most compact and can be erected, or collapsed, with the minimum of ease and the maximum of speed. There are no loose parts to get lost.

The Stand is 4' high and the top measures 21"  $\times$  13" to accommodate any Projector. It has a turned-up edge to prevent any sliding of the Projector during threading, etc.

As with other 'Premier' Stands this unit is most widely used in Government Departments, Educational Establishments, and Film Units, both here and abroad.



# Epidiascope Stand

This Stand is based on the well-known design of our 'Junior' Trolley Model, and incorporates a special size Tray with deep turn-up to accommodate with complete versatility most makes of Epidiascopes.

The well-known rigidity of this Stand and free-running castors make it ideally suitable for the handling of the rather bulky Epidiascope Equipment.

The Stand is 4' 3" high and the top platform measures 28"  $\times$  20" with tilt to Projector Platform.







# Standard Model Rewinders

## 16mm

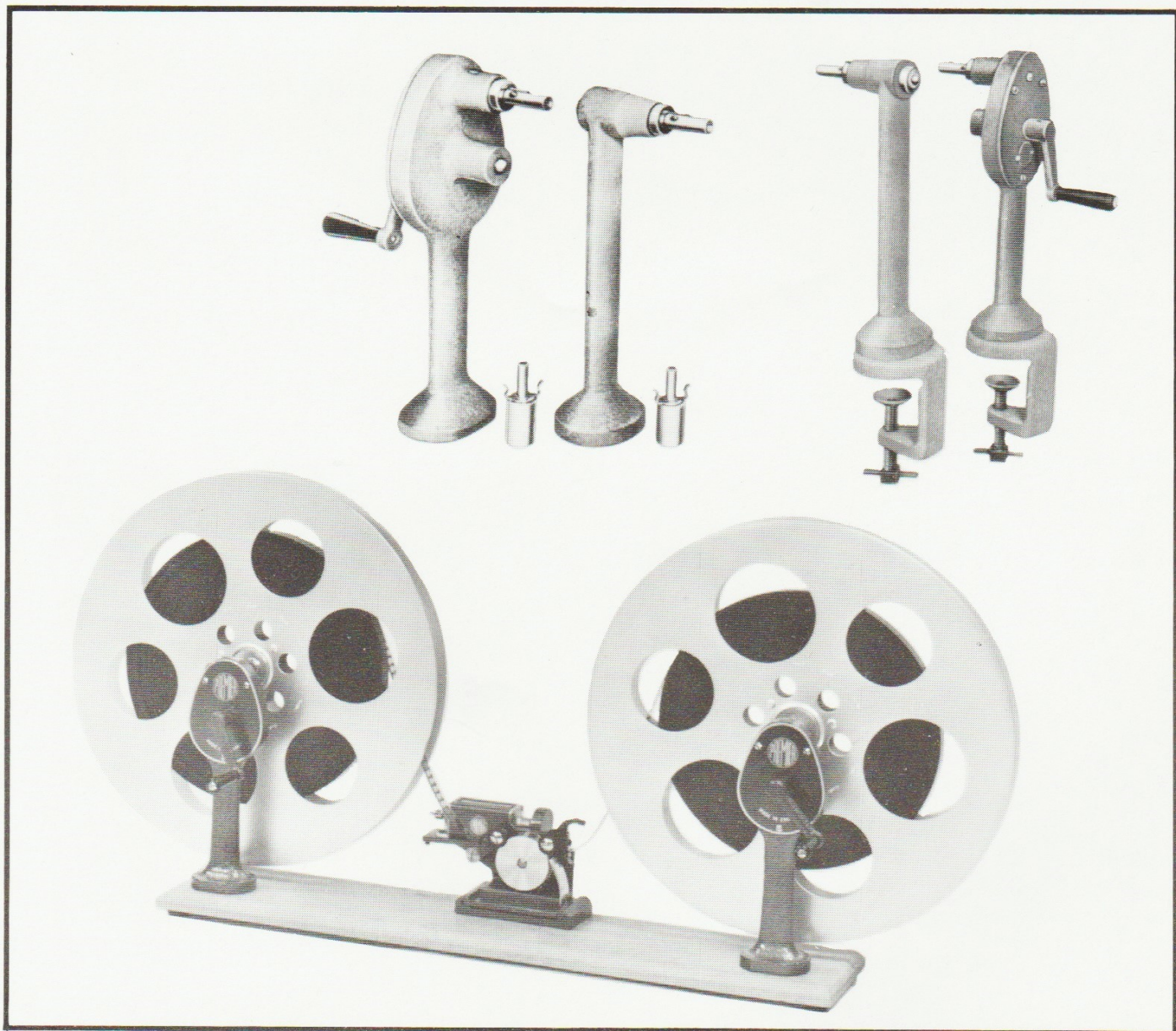
The PREMIER 16mm Standard Rewinder takes spools up to 15" (381mm) diameter, 2000' (609m)

It is normally supplied fitted to a wooden baseboard, with two geared ends. It can also be supplied with one geared end, and one idle end. It can also be supplied with clamps for fitting to a table. All these models are illustrated below.

The rewriter is a heavy duty casting attractively stove enamelled. It has a 3:1 gear ratio. The spindle has a spring catch for holding the spool.

Models are available for 9.5mm and 8mm use. There are also special models supplied for 35mm microfilm with small diameter plates for unspooled film.

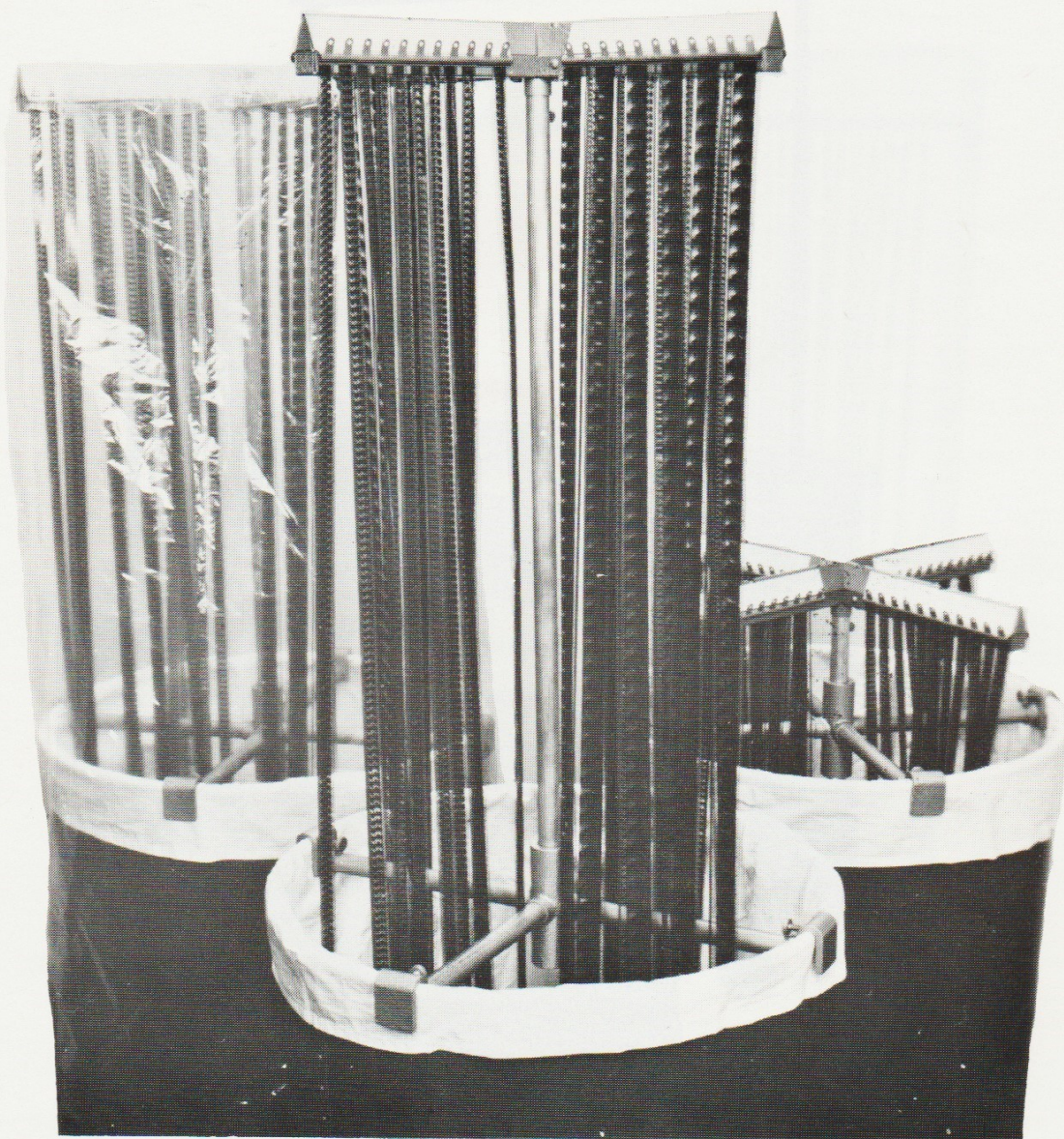
This is one of the most inexpensive but durable rewinders available.







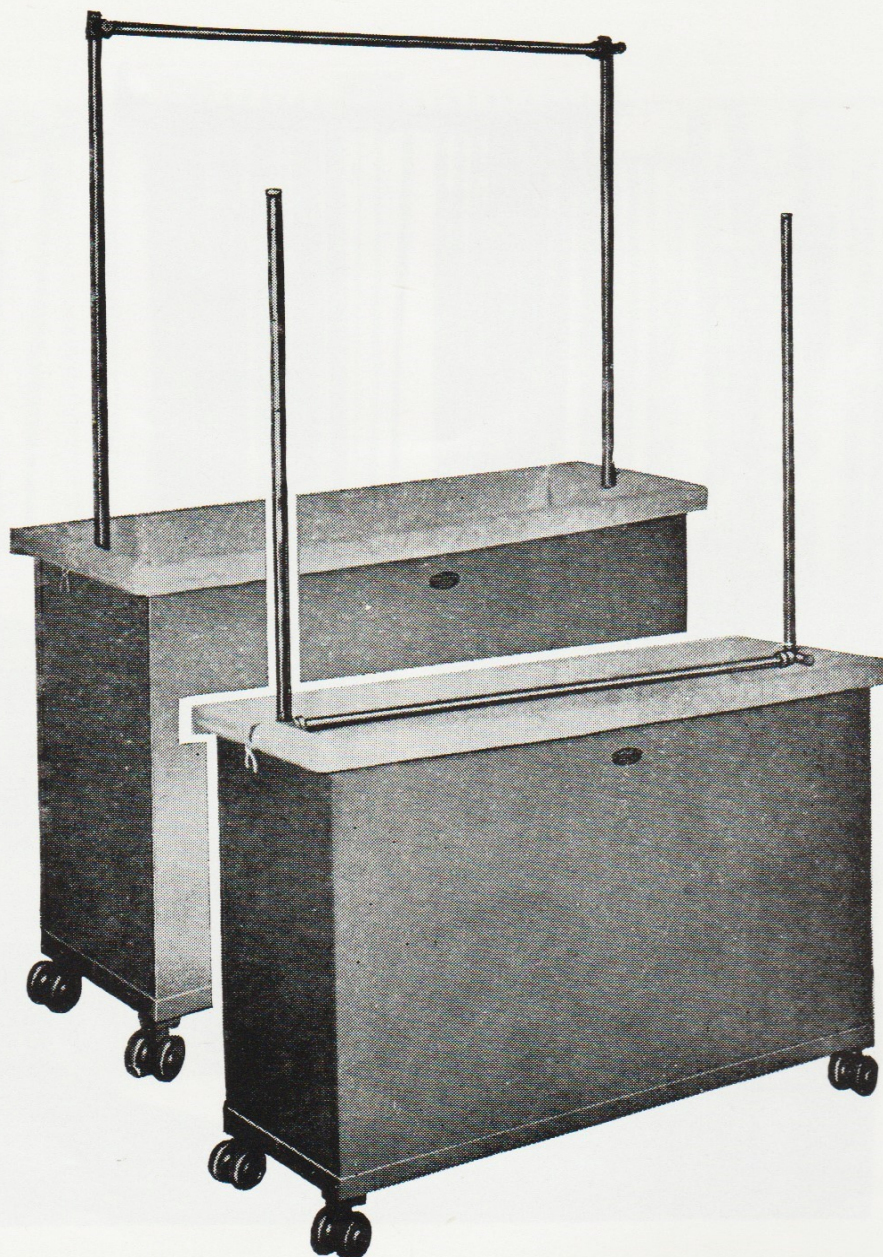
# Film 'Cuts' Racks





# Trolley Model

- \* Takes 35mm or 16mm film
- \* Rigid, hardwearing, all-metal construction.
- \* Removable, washable cloth lining.
- \* Extremely mobile with four twin-wheel castors.
- \* 4'3" x 1'6" x 2'10" deep (other sizes to order).
- \* Adjustable film-pin bar automatically locked in any of four positions by spring loaded plungers.
- \* Enamel finish with polished plated uprights and horizontal bar.





# Wall Cuts Racks

An ideal fitting behind any cutting table

- \* Fully illuminated with strip lighting
- \* Compact 4'6" x 2'10" x 7"
- \* Easily identified
- \* Marking Strip
- \* Retractable Linen Bag
- \* Polythene cover
- \* Holds 70 - 16mm or 35 - 35mm trims
- \* All metal construction
- \* Accessories include  
35mm Pin Board & spare linen bag.





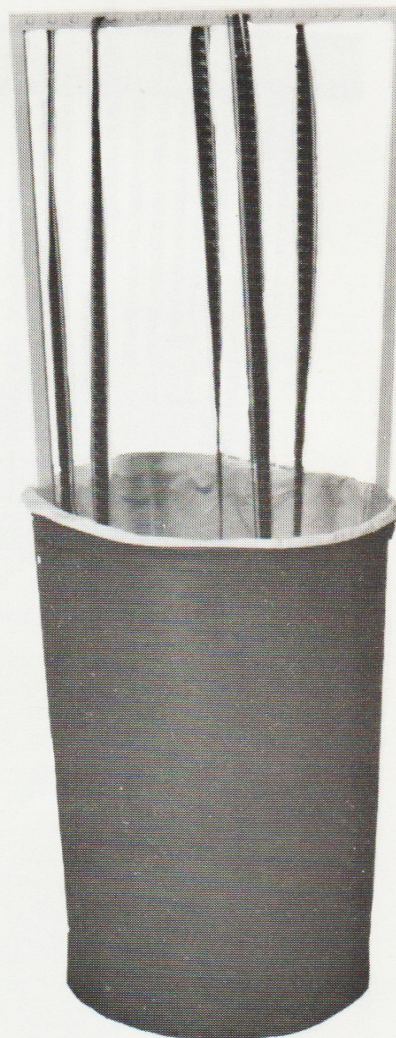
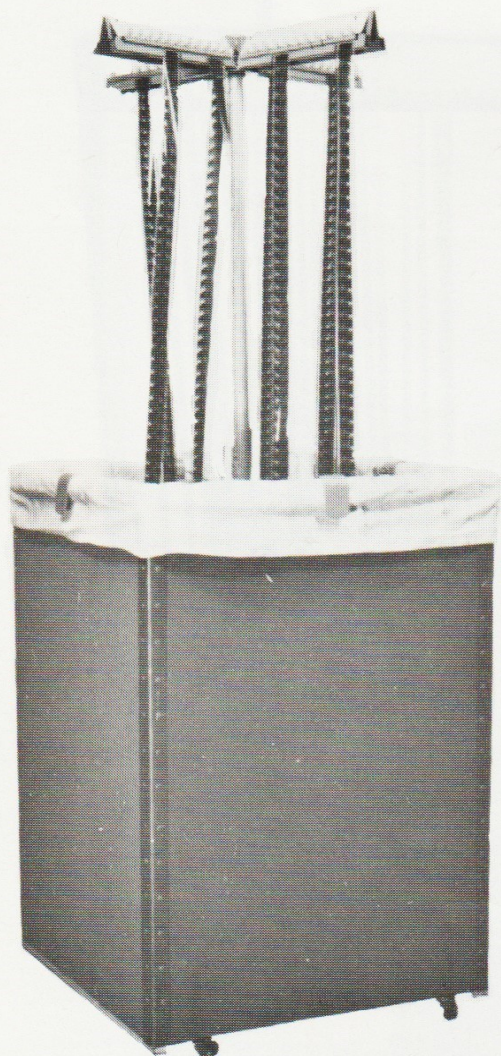
# Fibre Bin Model

(SIGNPOST)

- \* Fast working
- \* Safe handling
- \* Polythene cover
- \* Holds 88 - 16mm or 44- 35mm trims
- \* Suitable for Premier and other round or square bins (21" diam. or square).
- \* Accessories include: Polythene cover
- \* Pin boards for 35mm and spare linen bags.
- \* Easy identification
- \* Interchangeability
- \* Marking strips

# Goal Post Model

- \* 16mm & 35mm film
- \* Can be supplied for any size fibre bin
- \* Wooden construction with metal pins on 2 sides.





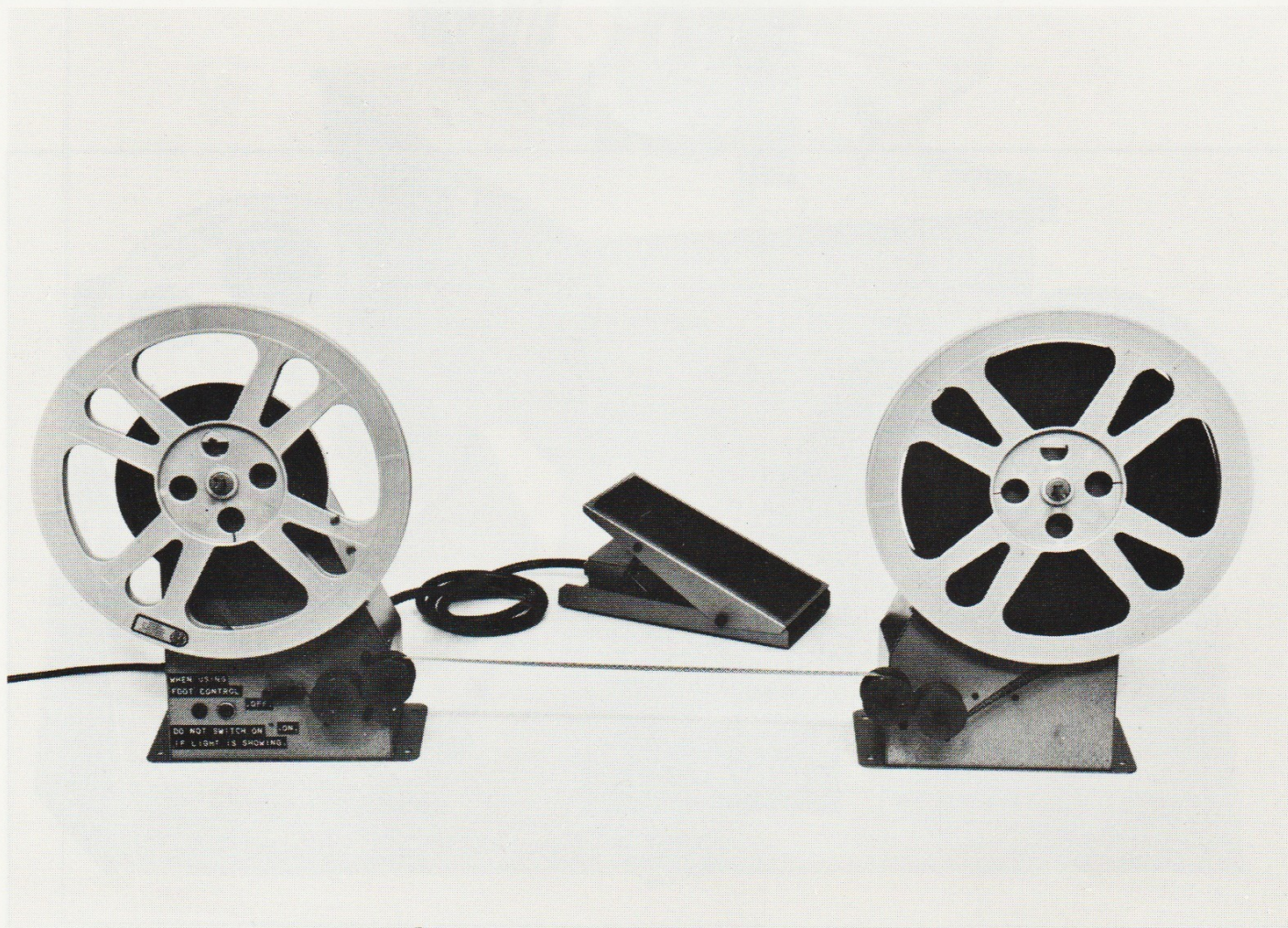


# Motorised Rewinders

## Motorised Vertical Rewinder

This is a vertical motorised rewriter which rewinds in *one* direction only. It comprises a take off end and a take up end.

The take off end has an adjustable clutch tension. Guide rollers are fitted to both ends. The rewriter can be mounted on a bench or a board. The rewriter is foot operated with variable speed 0 - 700 revs. per minute. It handles both 35mm and 16mm film spooled and unspooled, up to 17" diameter (432mm). An automatic device is fitted to stop the rewriter if the film breaks or at the end of a reel.





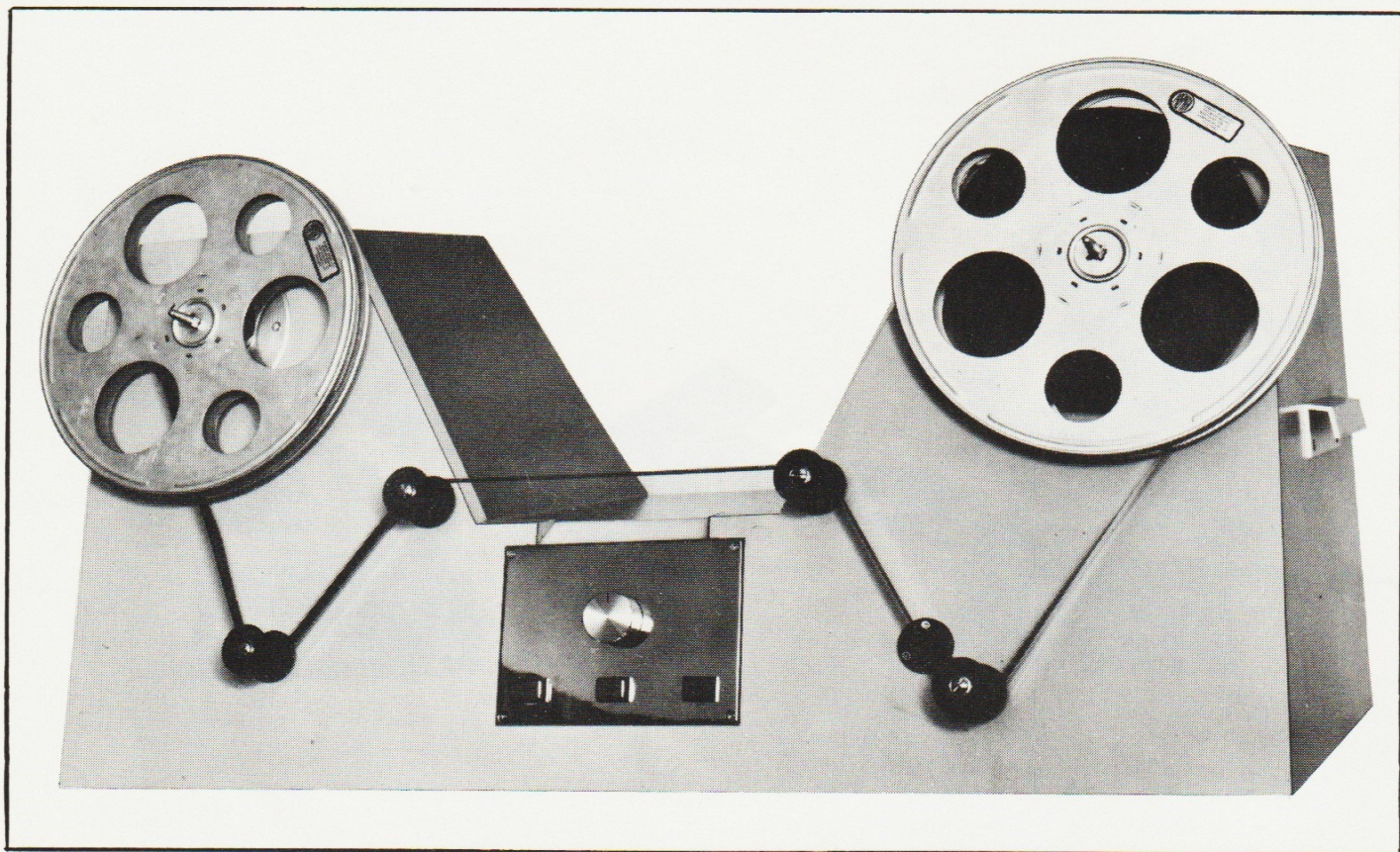
# Vertical Motorised Rewinder Mk II

The new Premier Vertical Motorised Rewinder gives the ultimate in film rewinding and inspection, forward and reverse variable speed.

Two induction motors are mounted on a plastic faced panel, inclined so as to obviate the use of snick ends. The rewinder has a three illuminated button control. There is a mains on/off, a stop and a reset/start button. The roller on the right hand side of the rewinder has an automatic stop if the film should break or come to the end of the reel. The speed and direction of wind of the rewinder is controlled by the centre

rheostat knob. This gives a smooth even and constant speed rewind from 0-1500' (480m) a minute.

The rewinder takes spools both 16mm and 35mm up to 17" diameter (432mm), (3000' 914m). It can also be supplied for Super 8mm film. It is extremely quiet in operation and gives an extremely smooth rewind. If 16mm film only is used we recommend a square rewind spindle to be fitted. A small viewing panel is incorporated in the rewinder and a measurer, sound reader or animated viewer can be fitted between the rewind uprights giving sound and picture.





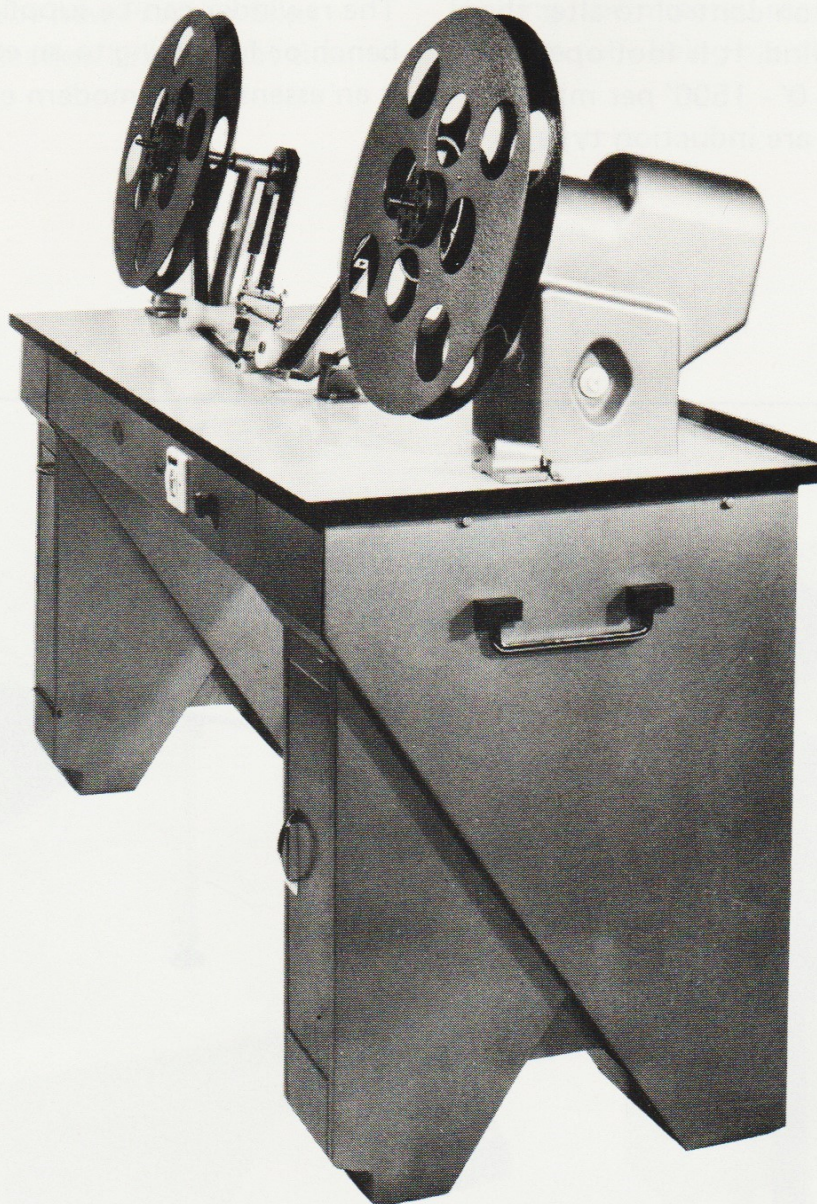
# **Vertical Motorised Rewinders 6000' (1829m)**

This Premier rewinder has been designed to take spools up to 25" diameter (635mm). It rewinds in one direction only. The take-off end has an adjustable tension device. The rewinder can be supplied fitted to a

bench or supplied for fitting to an existing bench. A special cut off device is supplied for fitting between the rewinder uprights. This enables the film to be left to rewind automatically and stops the motor at the end of the reel or if the film breaks.

The rewinder has a thyristor control giving variable speed from 0' - 1500' per minute. It is set by hand. Incorporated in the speed control is a reset button to prevent the motor being started at full speed.

The rewinder can handle both 35mm and 16mm spooled and unspooled film. It can also be supplied for 70mm. It is extremely strongly constructed and easily maintained.





# Multitrack Motorised Rewinder

This is a new addition to the range of Premier Motorised Rewinders. Designed for cutting and editing rooms it finally offers the Editor freedom from having to rewind by hand.

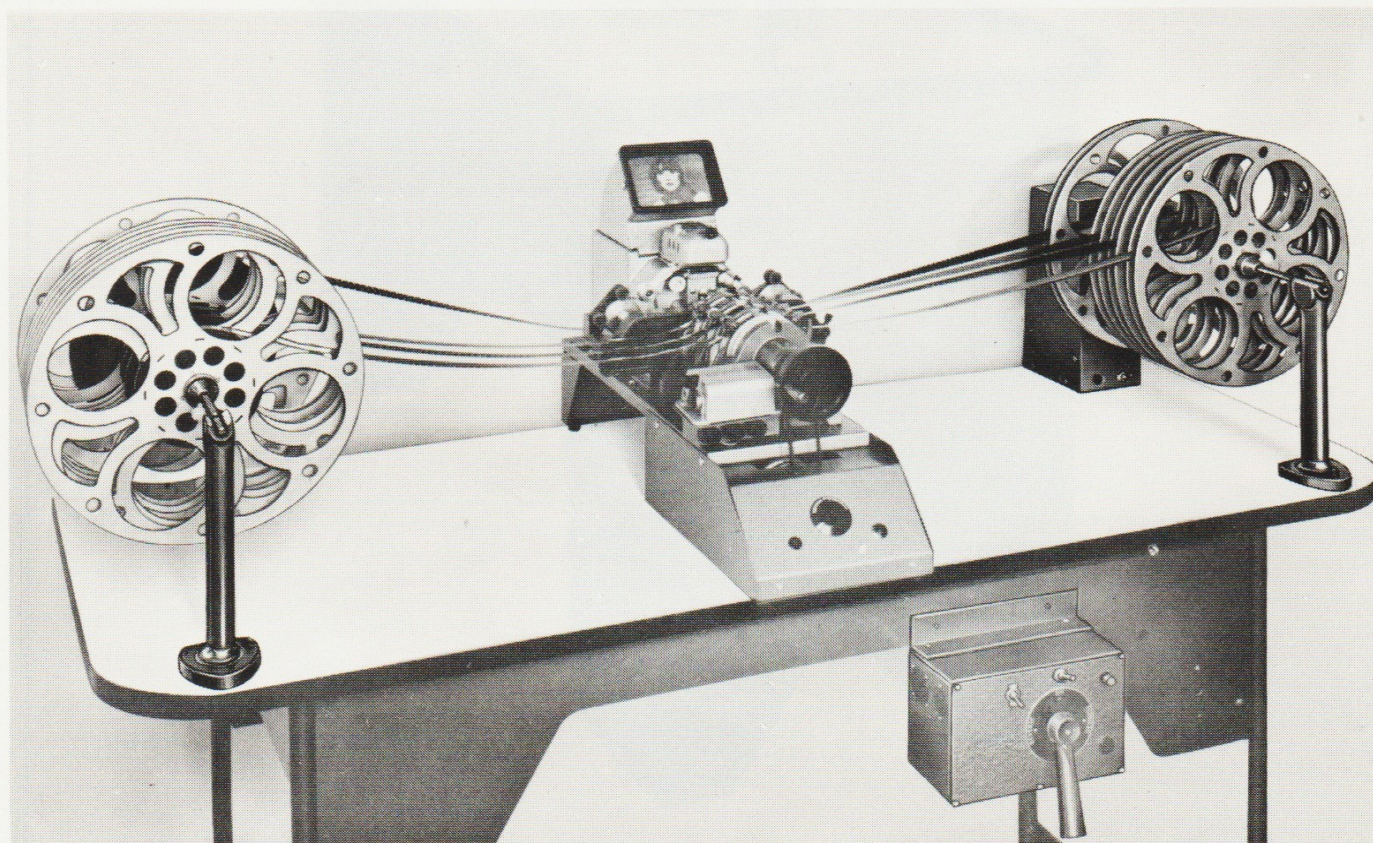
It is designed for use with synchronisers up to 4-way.

It takes both 35mm and 16mm spools. Used in connection with the new Premier Slip Spool described on leaflet 137, it gives the

ultimate in track laying.

Both ends are motorised and rotate in the opposite direction at variable speed. A foot control governs the speed.

It has been designed to take up film fed in either direction through a synchroniser. The synchroniser can be either hand fed or motorised. When used with the Premier Slip Spool looping is eliminated regardless of the size of the film rolls being handled.





# Horizontal Compact Mk II

This is an entirely new Premier Horizontal Rewinder to give the ultimate in rewinding film horizontally.

It handles spooled and unspooled film 35mm and 16mm up to 17" diameter (432mm), 3000' (914m).

This rewriter has an induction motor fitted to *each end* which directly drives the film. There is a push button control to alter the direction of the rewind. It is foot operated variable speed from 0' - 1500' per minute. As the motors used are induction type an

extremely smooth and constant speed is achieved.

A back voltage is applied to the take off end to give a tension throughout the rewind. The rewriter can also be supplied with a cut out device so that the film can be left to rewind itself and stops automatically. This is fitted between the plates.

The rewriter can be supplied fitted to a bench or for fitting to an existing bench. It is an essential for modern examination rooms.









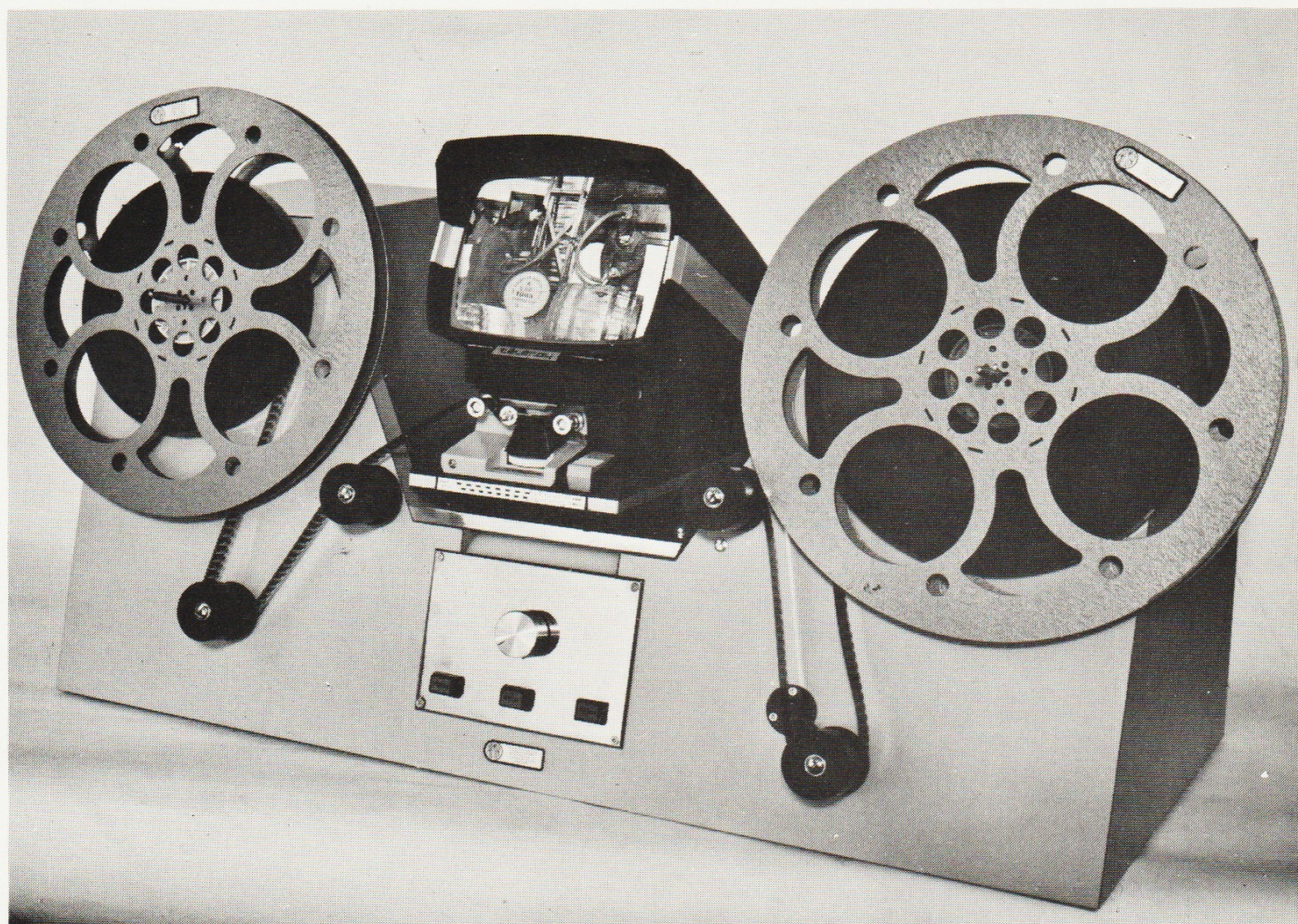


# Motorised Viewer Rewinder

- \* Forward and reverse variable speed
- \* Instant stop
- \* Film can be rewound without passing through viewer if required
- \* The rewinder will automatically switch itself off when film has been wound
- \* Large screen size 7.3" x 5.8"
- \* Interchangeable blocks for 16mm, std. 8 and Super 8mm.

The photograph shows a large screen viewer combined with the Mk. II Vertical Motorised Rewinder, purpose-built for a major Police Authority.

This unit enables operators to view 16mm., standard 8 and Super 8mm film at speeds far in excess of those when using a standard projector, thus reducing the man hours required when a large volume of film requires to be viewed. Sound is not included.







# Film Waxers

## 16mm or 35mm

- \* Oilite bearings
- \* Duralumin rollers
- \* Ball bearings to main rollers
- \* Channelled base plate for easy removal
- \* Non-magnetic

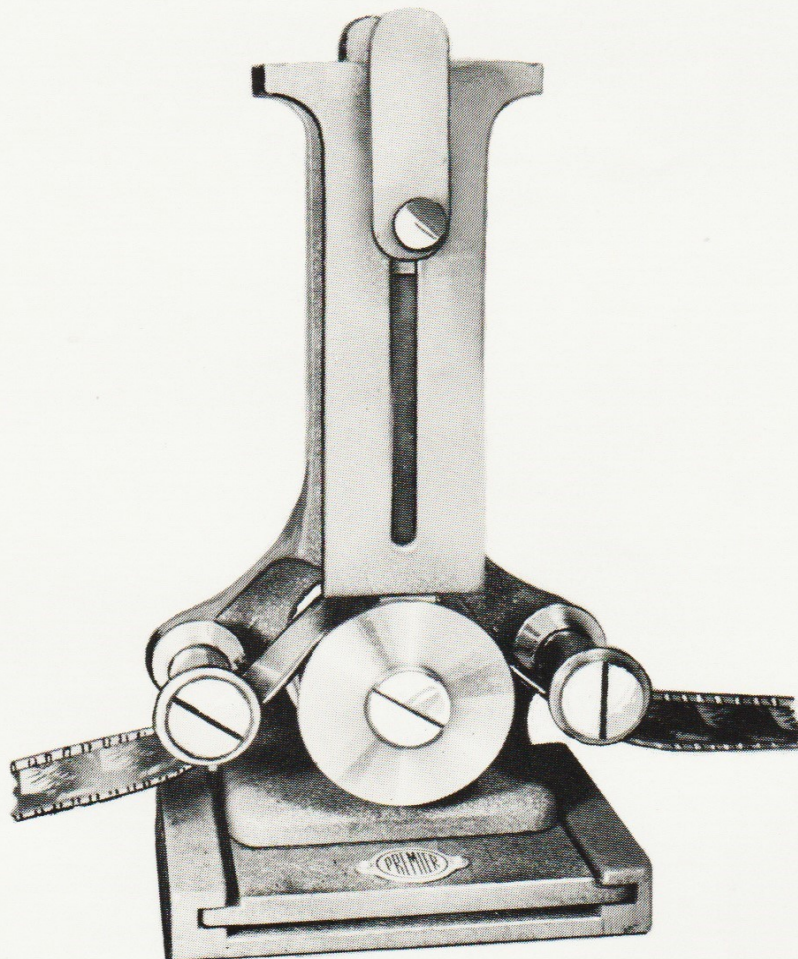
This latest model Film Waxer constitutes a considerable improvement in design and efficiency on all portable waxers at present manufactured. It is designed to prevent the emulsion sticking with all the subsequent mutilation hazards during projection. The outstanding features of this new device are: the threading arrangements whereby the film can be inserted and withdrawn at any time during the processing, thus facilitating the splicing of joins when necessary; oil impregnated bearings eliminate the necessity for frequent oiling; and the precision balanced weight with special wax retaining clips gives instantaneous engagement or disengagement of the wax with the film.

The wax strips are specially made from imported waxes of the finest grades; they are non-spreading and will coat only the edges of the film without causing deleterious effects to the sound track or sprocket holes.

The waxer is supplied with a channelled fixing base plate to enable it to slide into position or to be quickly removed and stored when not in use. Two models are manufactured — one for 35mm, the other for 16mm. (This is equally effective for waxing either sound or silent film stock.)

The device which is compact and superbly finished represents the latest in precision equipment for film waxing.

(Please specify 35mm or 16mm when ordering)





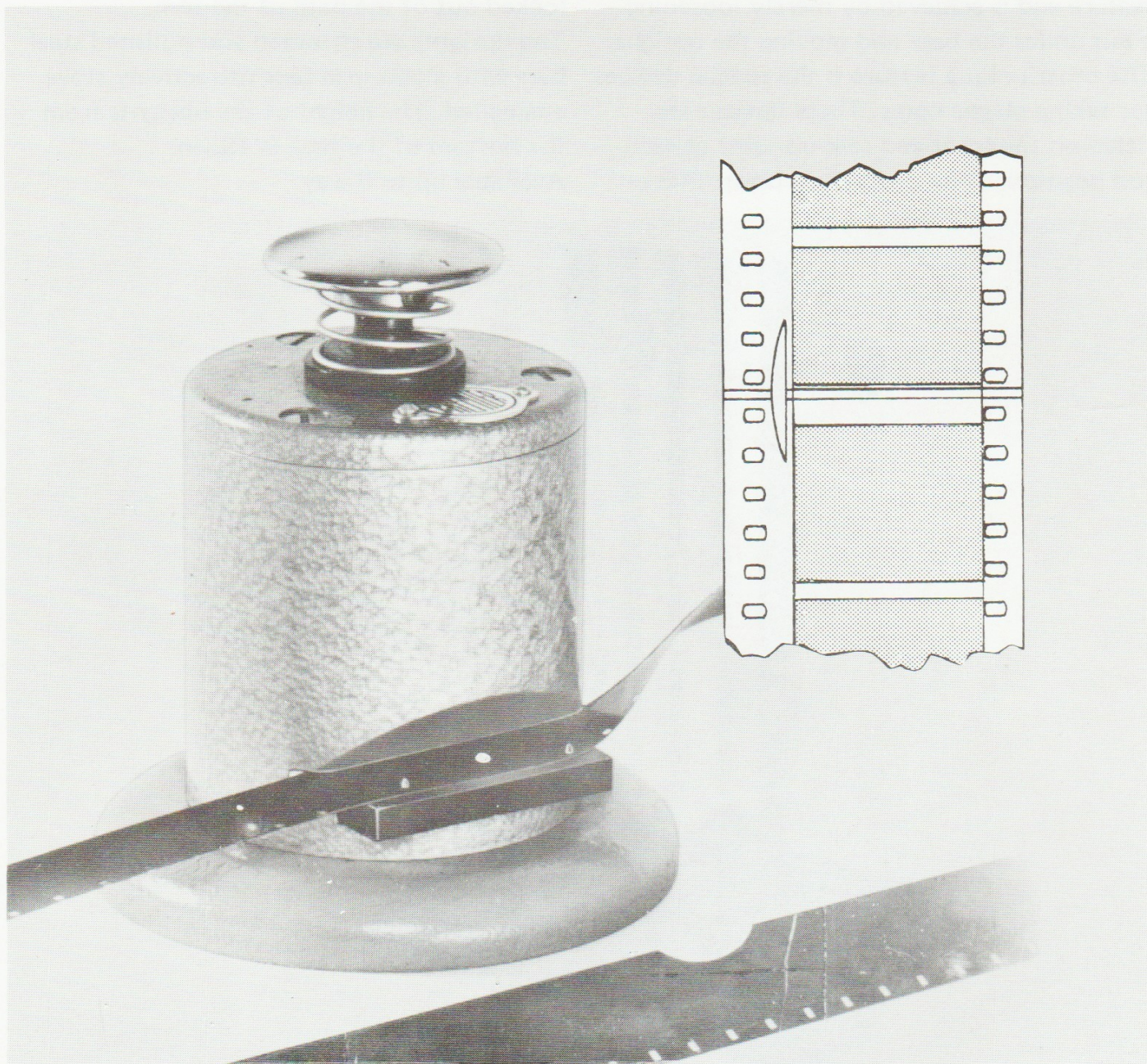


# Film Punch Bloopers

## 16mm, 35mm

- \* **Accuracy** — Every bloop is the correct shape
- \* **Cleanliness** — Blooming ink can transfer if not completely dried.
- \* **Speed** — saves hours of time
- \* **Positive** — Film locating pins avoid damage and mistakes.

This precision built Punch Bloopers has been designed and tested to give most satisfactory results on both variable area and variable density tracks, and with the projector running at normal volume level the bloopers are found to be virtually inaudible. The 16mm model is illustrated. A diagram of the 35mm bloop is also shown.







# Film Horse

**16mm, 35mm**

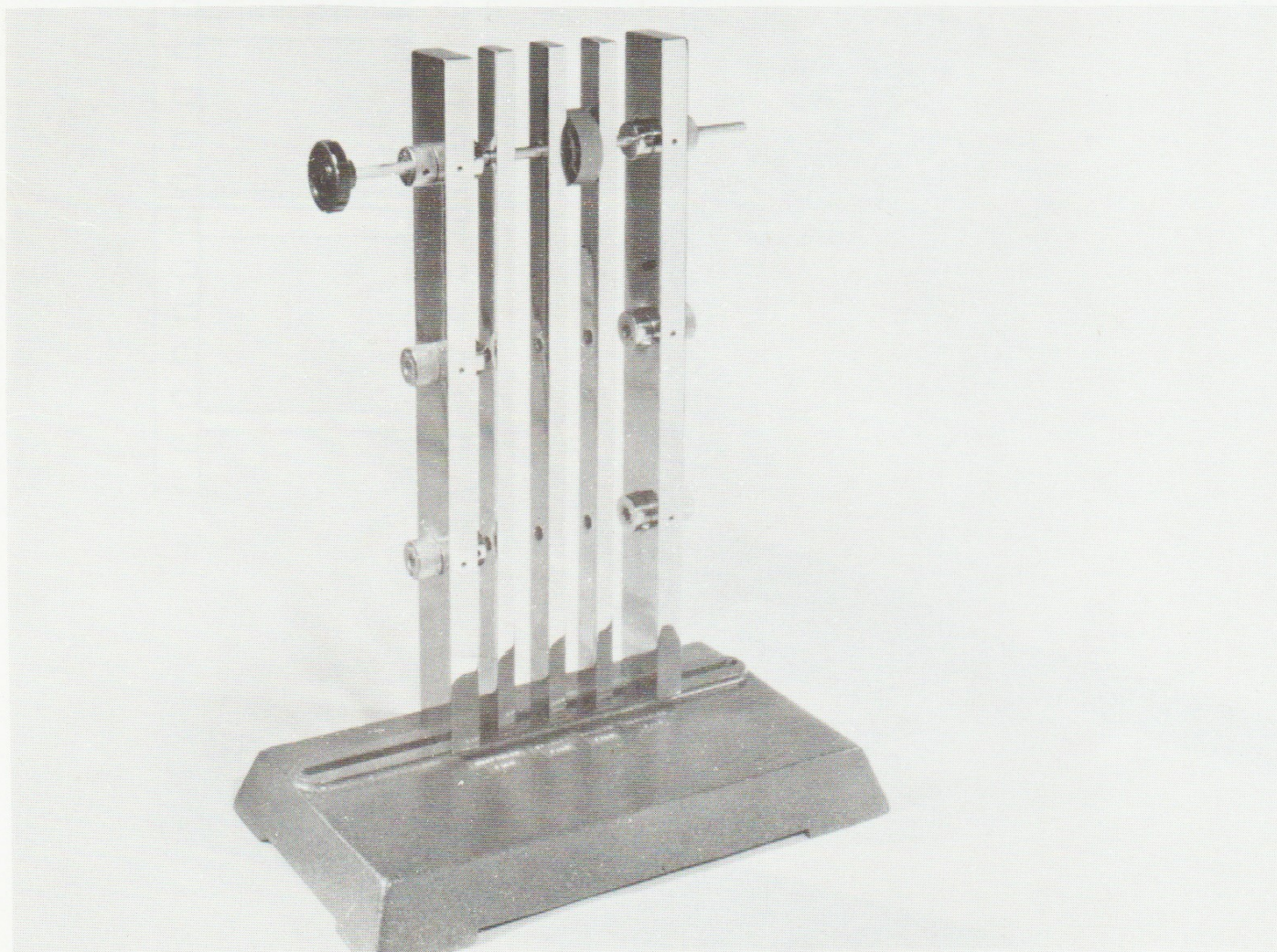
- \* Interchangeable for 16mm. or 35mm. film or combined 35/16mm.
- \* Heavy base, chromed and polished uprights
- \* Can be used with any make of synchroniser
- \* Special devices to take plastic cores

The Premier Mk.II model film horse is of quite new design, the uprights can be repositioned for *any* film gauge and for any combination of film. This is a unique feature and is achieved by merely loosening a nut under the base and moving the upright. The other unique feature is the special devices for taking plastic cores. These devices are fitted on the front and rear uprights at each rod position. They properly support film on

plastic cores preventing damage and preventing the anomaly of a plastic core with a 1in. bore turning on a 5/16in. spindle. Each of these devices is spring loaded and can be locked out of the path of the film.

The uprights are chromed and polished steel bars with a cast iron base attractively stove enamelled. The height of the uprights from the bottom of the base is 19¼in.

Available up to 6-way.







# Film Storage Racks



ROBERT RIGBY LTD. Premier Works Northington St. London WC1N 2JH Tel. 01-405 2944  
H/8/78/30



# Standard Model Racks

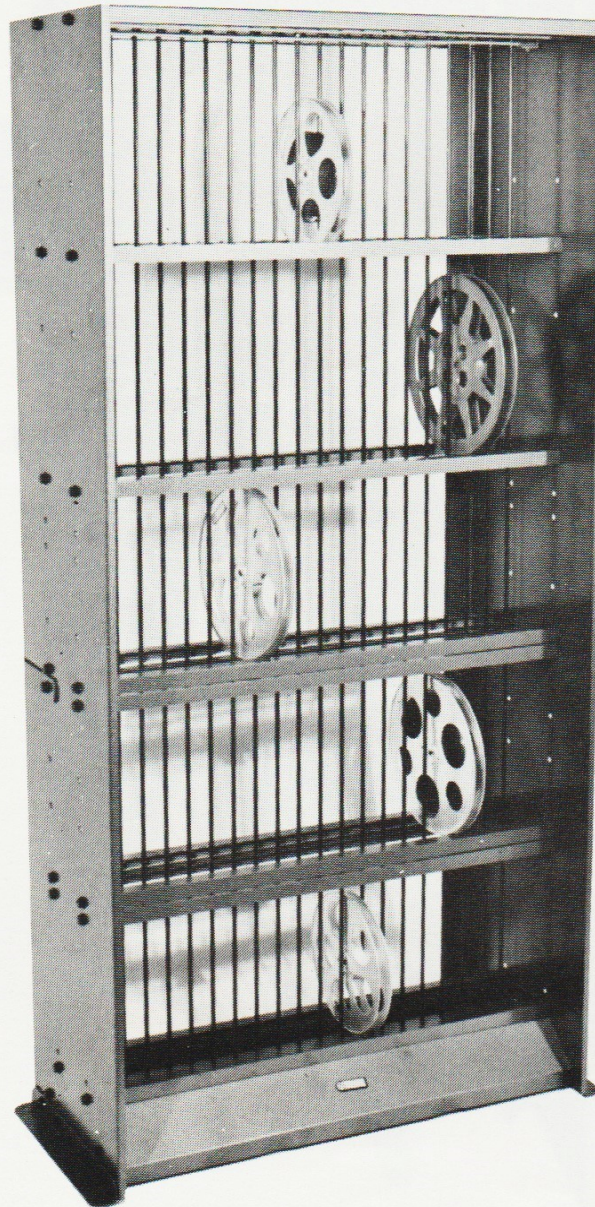
These are available for 16mm or 35mm, or a combination of both gauges. They are constructed in steel, stove enamelled, and measure 6'2" high x 3' wide x 1'3" deep.

As can be seen from the illustration, the Film Cans are easily removeable. The tray positions can easily be altered to take different diameter Cans. The Racks can be fixed to a wall or floor, or can be left free

standing. They are ideal for use where portable storage systems are needed.

A Cabinet model with door, as illustrated on front cover, is also available.

Elsewhere on the leaflet, different systems of storage are shown. There is also an Indexing System available, as illustrated and described.

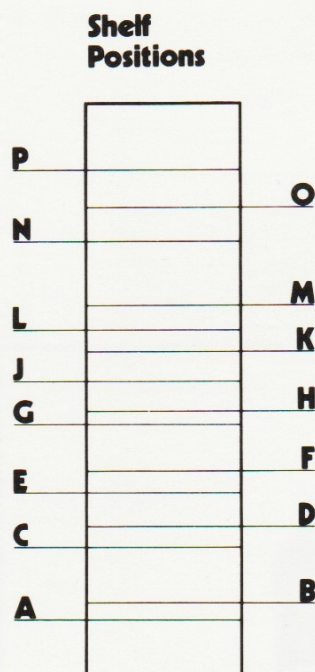




# Interchangeable Film Capacities

(16mm Standard Model only)

By altering the tray position as indicated in the diagram, numerous alternative capacities are obtained as shown in the table. Smaller Spool Cans will fit larger Spool Can rows in addition to those specifically mentioned, e.g. 2,000 ft. size rows apply equally to 1,600 ft. cans, etc.

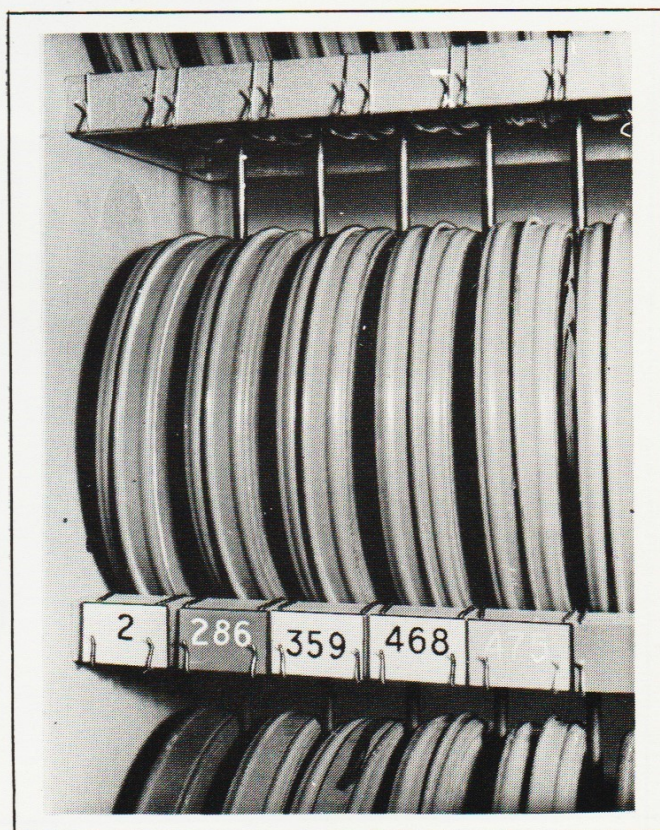


system number	trays at	number of rows (21 spool cans per row)		
		2000' spool can	800' spool can	400' spool can
1	ABEJMNP	1	1	4
2	ABEKLNP	2	1	2
3	ABEKLNO	2	2	
4	ABEKLNP	2		3
5	ACDHMNP		3	3
6	AEFJMNP	1		5
7	ACFJMNP		1	6
8	ABEKLOP	3		1
9	ACDGHMO		5	
10	ACFJMNP			7

## Film Indexing System

(For all models except wall racks)

Separate spring clips for each compartment allow identification cards to be affixed opposite each spool can. These identification cards are in glossy white plastic allowing any numbering or titling to be written as desired. Cards can be supplied in different colours engraved to any serial numbers or titles required.





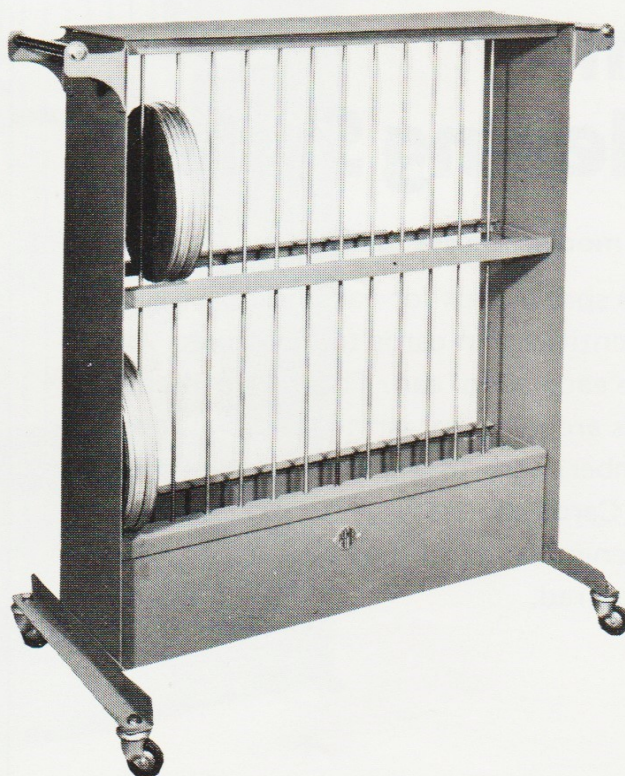
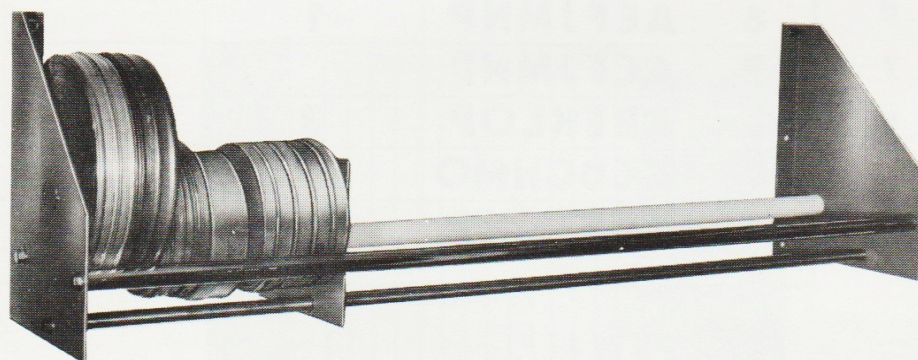
# Wall Rack

- \* Takes all sizes of Standard Film Cans (35/16mm)
- \* Non-slip rubber bar
- \* Compact in size
- \* Moveable rest

The rack is of unit design, two or more can be placed side by side and linked up to give a single continuous rack. Each unit is 4ft. in length and is 1ft. x 11in. from the wall. Attractively finished in grey enamel and the front tube is plated and polished.

# Trolley Rack

A most useful accessory for Cutting Rooms and Film Libraries, holding up to 28 cans (35mm) or 42 cans (16mm) 2,000 ft. capacity, or less.







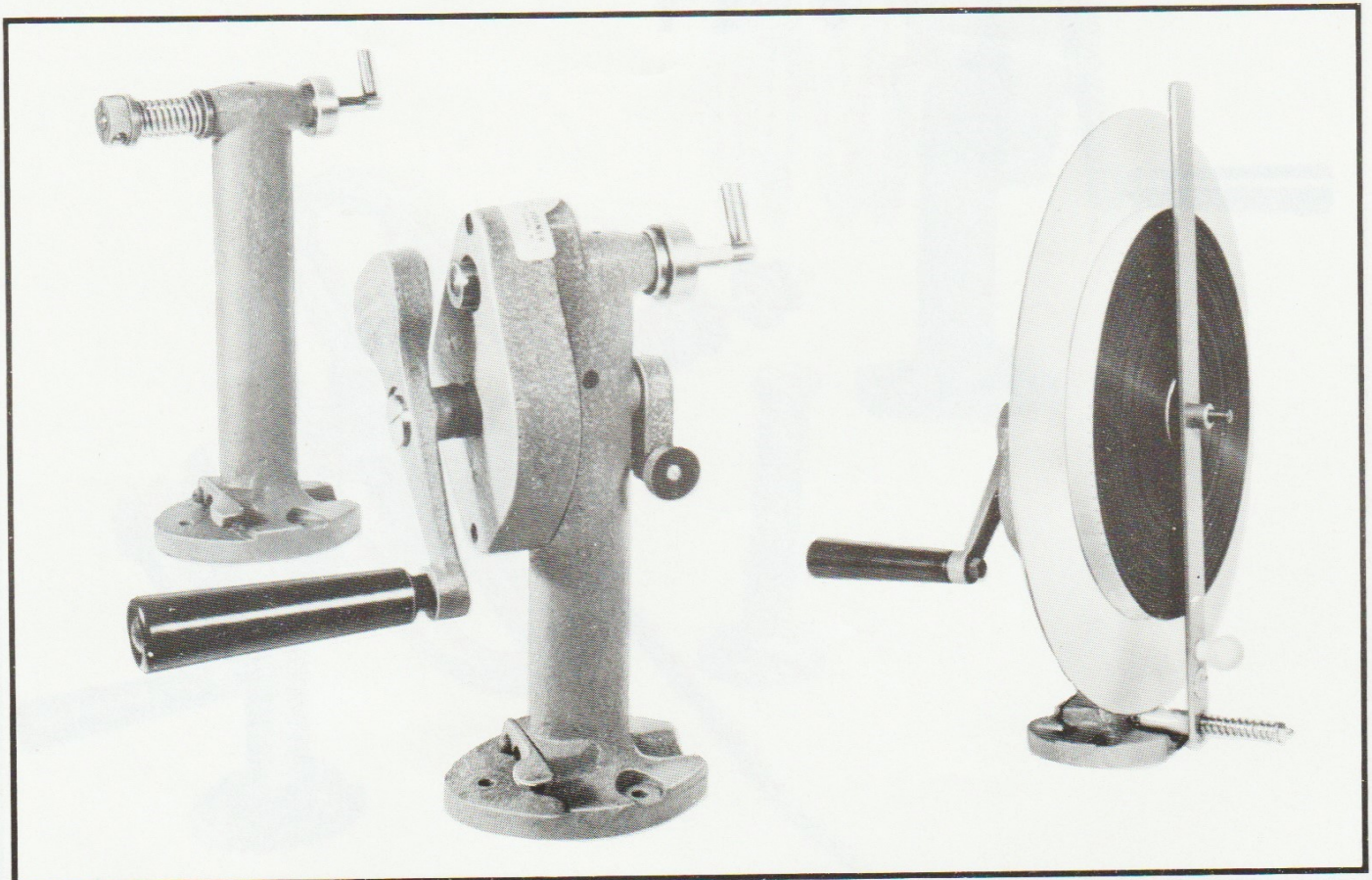
# Senior Editing Rewinder

**16mm, 35mm**

- \* Models for 35mm, 16mm or combined 35/16mm
- \* Adjustable tension protects film when operating sprocketed ancillary equipment
- \* Helical gears to avoid snatch
- \* Retractable counterweighted handle
- \* Film keep and On/Off plate for handling unspooled film up to 2000 feet capacity
- \* Takes film spools up to 17in. diameter (432mm.)

The precision made rewriter comprises cast upright columns fitted with smooth running heavy duty 3:1 ratio gearing. The cranking movement operates within a comfortable radius most suitable for editing and film inspection and the spindles are fitted with sprung snick ends for the easy loading of spools.

The film keep and On/Off plate against which a sprung bar (film keep) controls the rewinding of unspooled film. The disc is fitted with a removeable adaptor to accommodate when necessary the bakelite hubs on which processed film is often supplied. The film keep bar is detachable or can be left in a hinged over position.







# Multi-Track Rewinders

**16mm, 35mm**

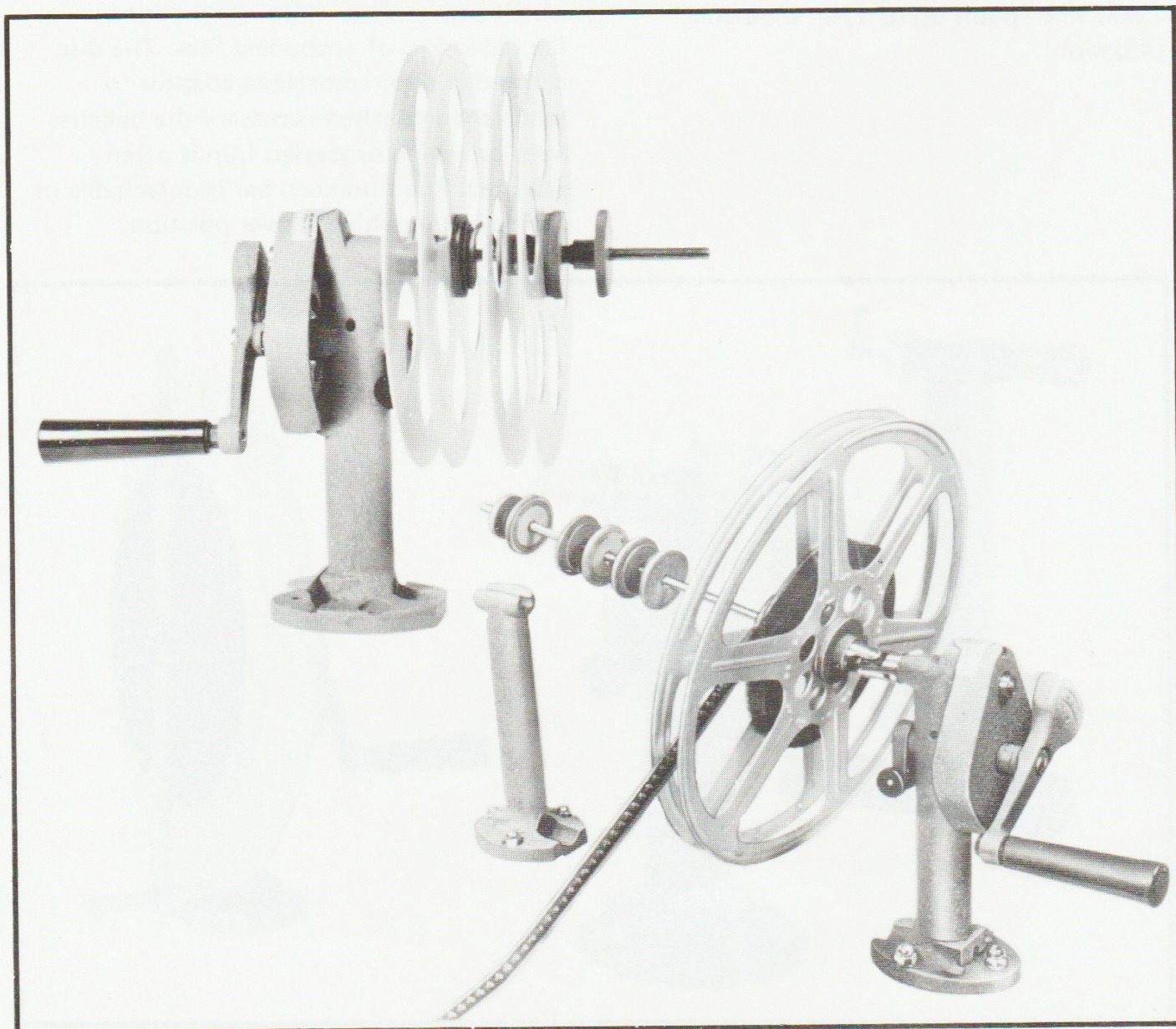
The basic features of these rewinders (brake tension, etc.) in common with the single spool model makes them ideally suitable for multi-track work. The helical gears give smooth take-up and the adjustable brake maintains correct film tension with ancillary equipment (synchronisers, etc.).

Spacing springs and adjustable spool clamp permit spool slip between the various tracks, and as is usual, the first spool is provided

with a positive take-up.

The 4-way model comprises two geared uprights fitted with long spindles hinged on a universal joint to facilitate spool loading and the spindles are suspended on separate support castings for absolute rigidity and ease in use.

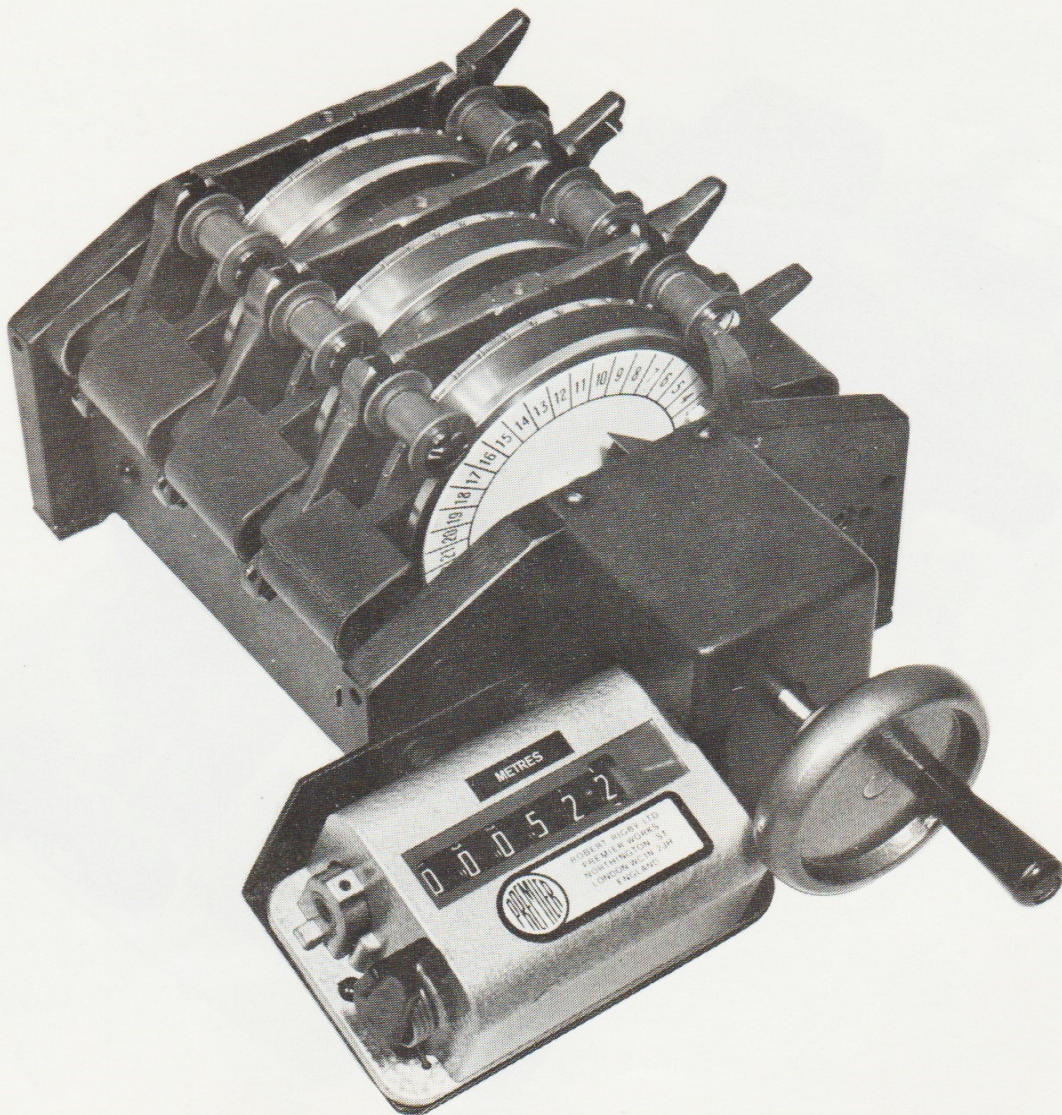
The 2-way model has the same features, except that it is not supplied with the hinged spindle or auxiliary support.







# Counters, Measurers & Synchronisers





# Synchronisers

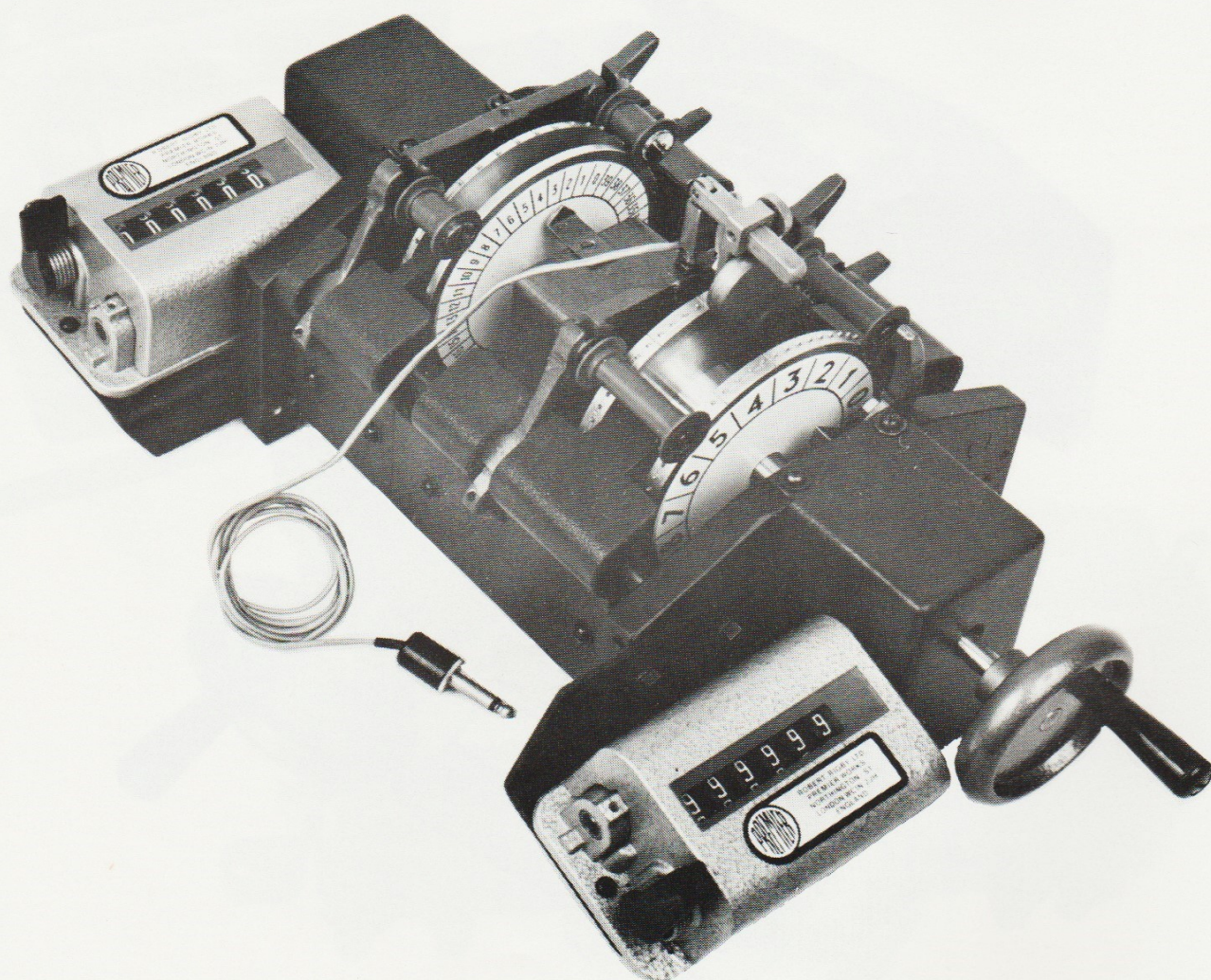
## 16mm or 35mm

The new Premier Deluxe Synchroniser (illustrated on front cover) incorporates the best features necessary. A large sprocket, (16mm 40 frames, 35mm 16 frames), a brake on the front sprocket, heavy enough to be free standing, non-magnetic sprocket, a frame dial, an instant reset six figure counter, These synchronisers can be supplied in as many ways or channels as required.

Synchronisers with more than one

counter can be supplied, e.g. a footage counter and a time counter. Combined model Synchronisers 35mm and 16mm are available (illustrated below). 17.5mm Synchronisers are also available. Magnetic heads for synchronisers are also available. Two types can be supplied. The underhead model which reads both centre and edge track, or alternatively the overhead clip on head which also reads both tracks.

With the underhead synchronisers an on/off volume control for each head is fitted and wired into the synchroniser giving one output lead to an amplifier. With the overhead model each head has its own plug and therefore a mixer box must be used to feed the output into an amplifier. The cost and details of prices are shown on our price list.





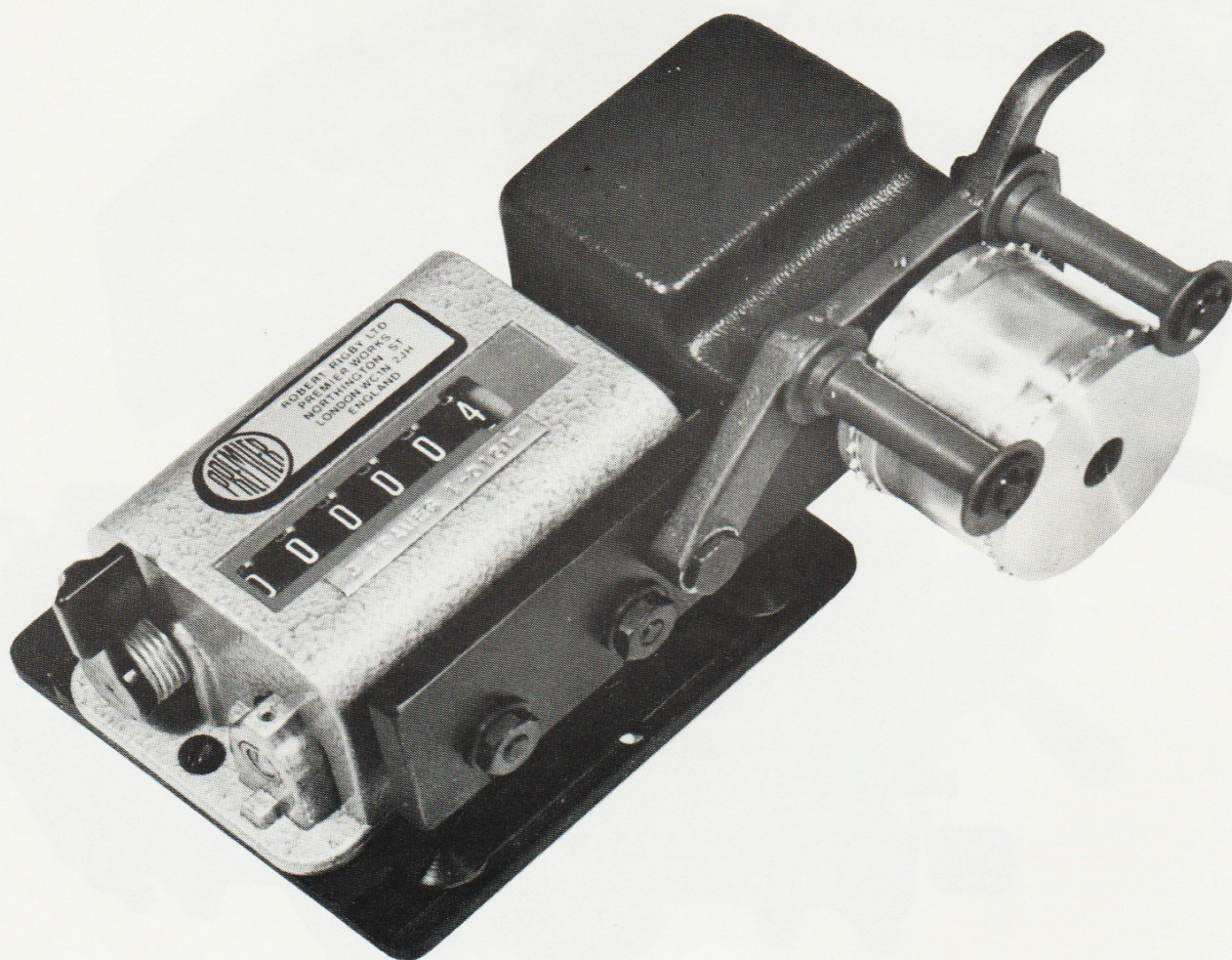
# Measurers

## 16mm or 35mm

The Premier Deluxe Model (16mm x 40 frame sprocket or 35mm x 16 frame sprocket) has one large sprocket fitted and uses basically the same components as the synchronisers. It is free standing it has an instant reset counter. A brake is fitted on the sprocket. The 16mm sprocket is normally fitted with the teeth towards the rear, but can, if specially ordered, have the teeth towards the front. This measurer can have two counters fitted, the various types are listed as required.

The Premier Standard Model (16mm x 20 frames sprocket or 35mm x 8 frame sprocket)

as shown in the illustration has one small sprocket fitted. It is not free standing. It has a base plate that can be fixed between rewinders or on a bench. The measurer itself slides into the base plate and so can be removed if not required. It has an instant reset counter. Only one type of Counter can be fitted. The various types are listed. The sprocket is non-magnetic and for 35mm takes positive or negative or Cinemascope stock. For 16mm the sprocket is normally fitted with teeth towards the rear, but it can be fitted with the teeth towards the front.





# Horizontal Measurer

The standard model measurer as illustrated has the same specification as the Standard Measurer. The difference being that it is fitted on a special plate with the sprocket horizontal.

The Deluxe horizontal model as illustrated is specially manufactured, it is fitted with two counters and uses the **larger** sprocket. It is a sophisticated measurer, free standing with a special instant release button for the lay on rollers.

# Counters

All models have the following instant reset counters that can be fitted.

Footage only — 6 figure counter

Footage & Frames — 5 figure counter

Frame only — 6 figure counter

Metre counters

Metre Counters — 6 figure counter.

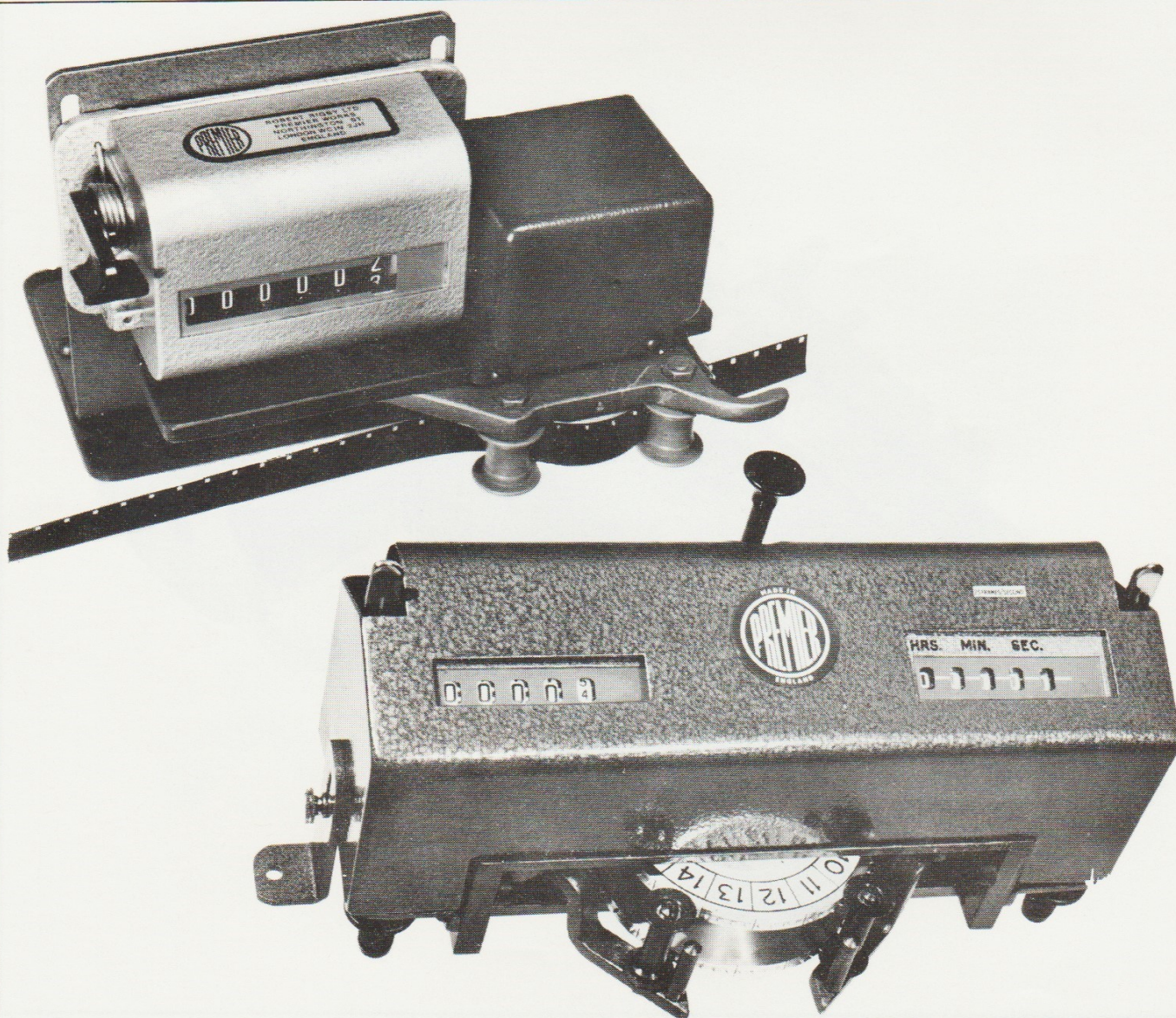
Time only shows hours, minutes and seconds.

(When ordering customers should state whether they require 24 or 25

Frames per sec Time Counters.)

## TIME COUNTERS

This measuring device has been specially devised for those wanting to measure in time, and is shown in detail on leaflet 95.



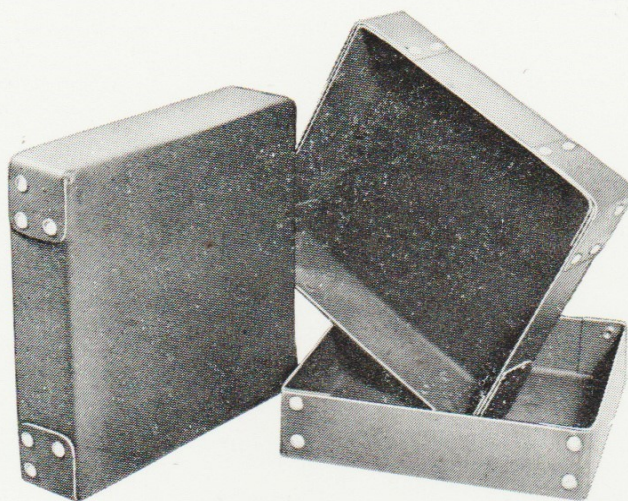




## Film Transit Cases

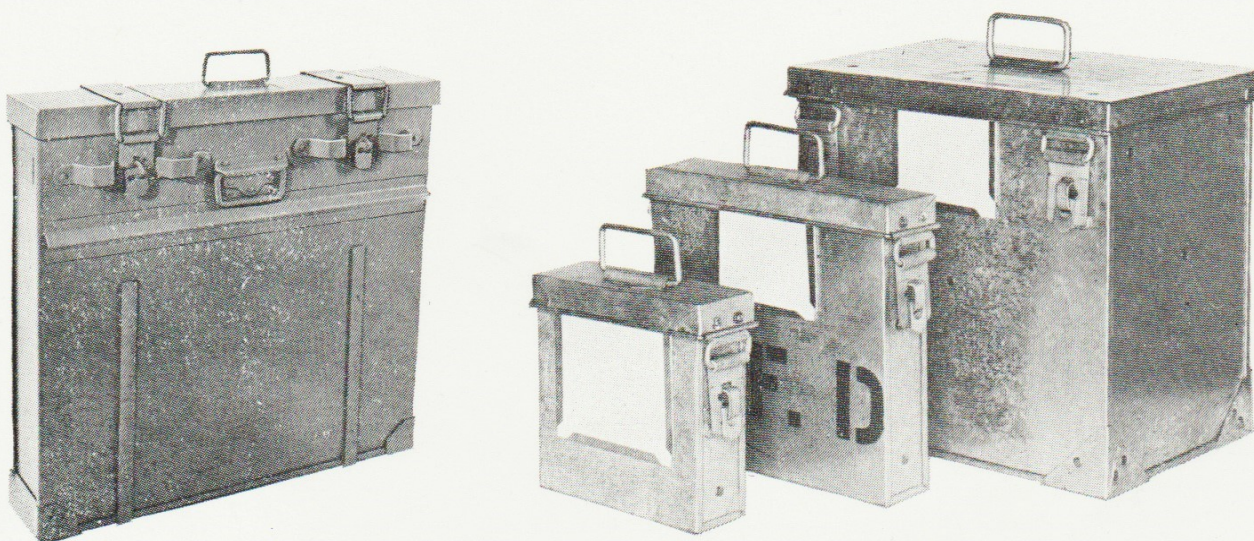
PREMIER FILM TRANSIT CASES for 16mm film are supplied in a variety of sizes, both for different diameters of film and for the number of films for each case.

They are strongly made in vulcanised fibre and are normally supplied with a webbing strap and a label holder.



## Metal Transit Cases

PREMIER METAL TRANSIT CASES are used throughout the industry. Extremely strongly constructed in a heavy gauge galvanised steel, they are designed to give the maximum protection to the film they carry. Various sizes are available, both for different diameters of film and for varying number of spools per case ; 70mm, 35mm and 16mm.







# Groupshow Rear Projection Screen

- \* Compact — Highly Portable
- \* Lightweight — Virtually Indestructible

The Groupshow range of Rear Projection Screens comes in three sizes, as shown below. They are manufactured in aluminium.

The mirror is of specially designed plastic material which is highly reflective and non-breakable. The screen is plastic and flexible and gives a very even illumination.

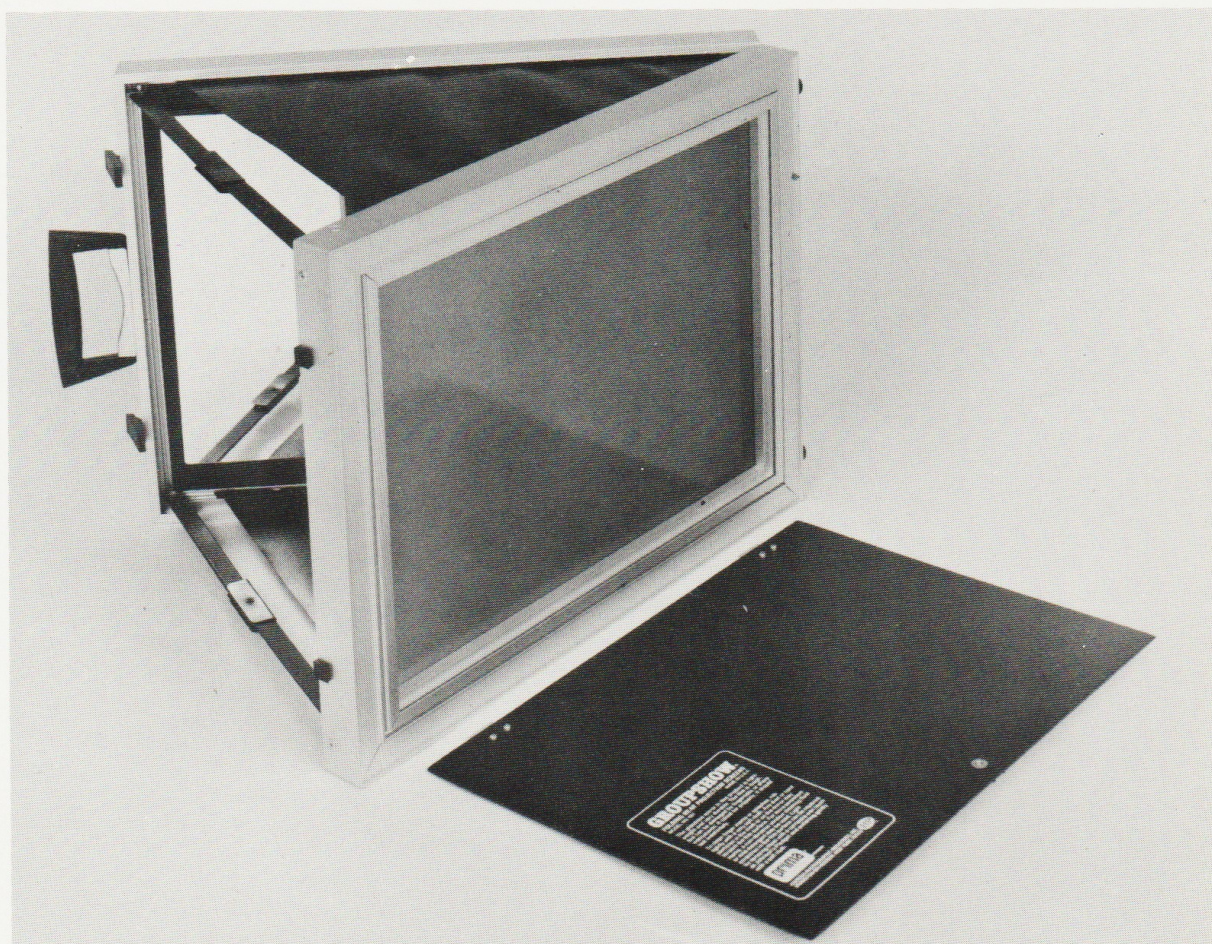
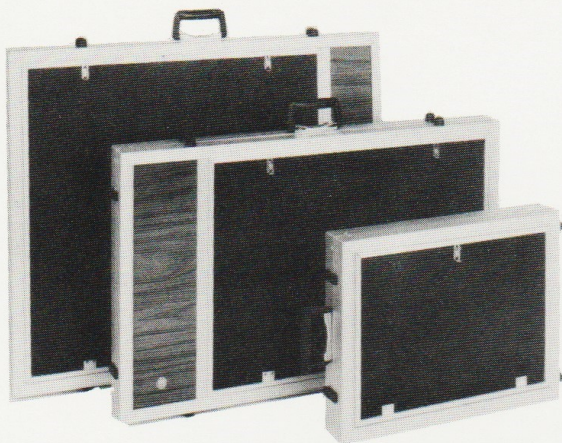
As can be seen from the illustrations, when not in use the unit folds flat and can be stored in the minimum of space. It only takes a few seconds to put the screen into position, and this can be done without any skilled knowledge.

The sizes are:-

Model 630 18" x 24" (45cm x 60cm)

Model 631 12" x 16" (30cm x 40cm)

Model 632 25" x 25" (64cm x 64cm)



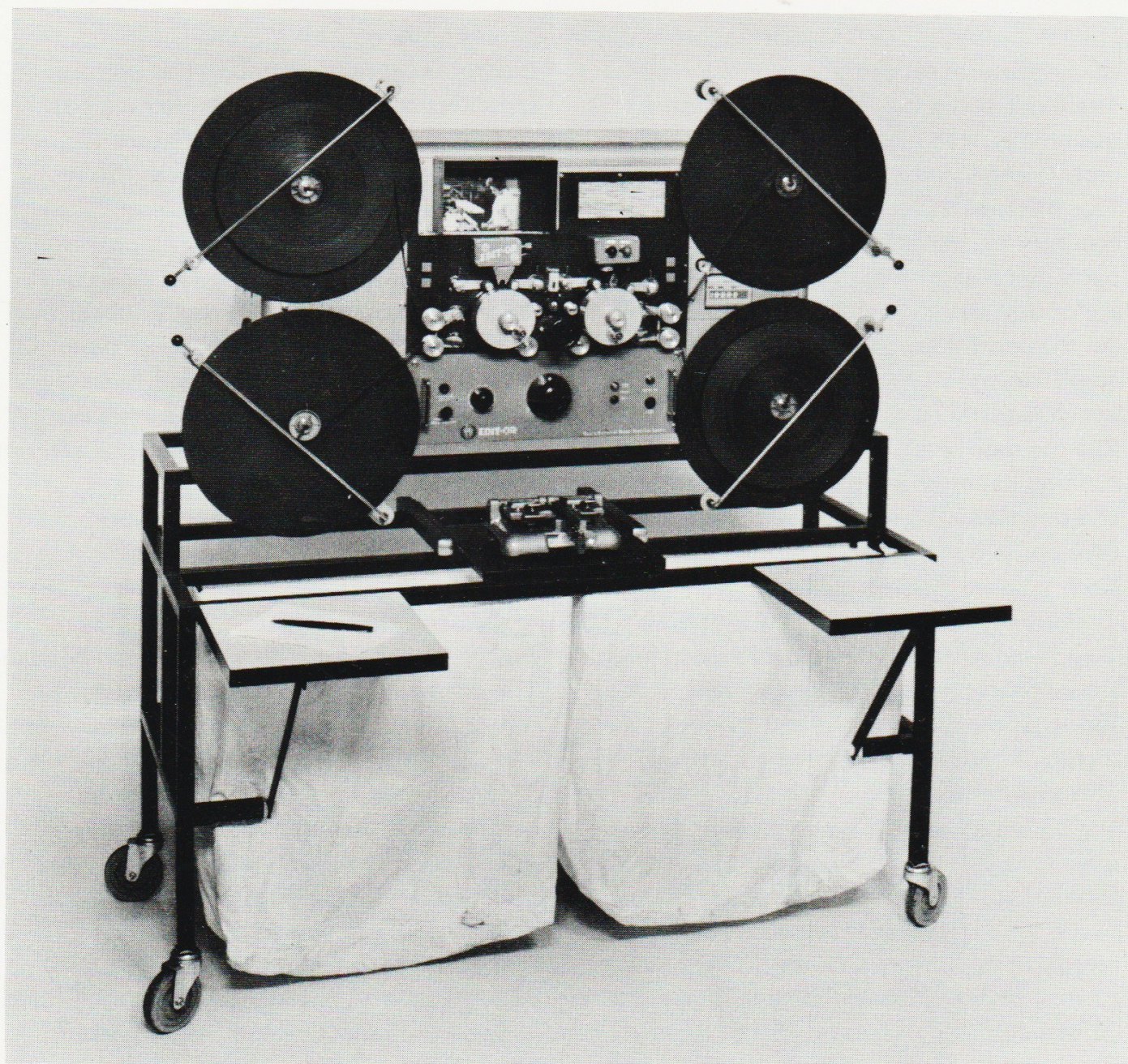




# Edit-Or

## Mark II

16mm





- \* Spooled and unspooled 16mm.  
film up to 15in. diameter (2000ft.-609m.)
- \* Optical and magnetic (edge & centre track)
- \* Two speed running both forward & reverse
- \* Instantaneous stopping & starting
- \* Large picture 7in x 4in includes the  
sound track
- \* Transistorised amplifier
- \* Handles negative and positive film
- \* Picture can be projected on a wall or screen
- \* Picture and sound can be run separately
- \* Short lengths of film (from 1ft.) can be  
handled
- \* Quartz Halogen lamp, rheostat controlled
- \* Fast rewind

The "Premier Edit-Or" Mark II incorporates all the features set out above.

The Mark II is a full scale 16mm editing machine able to handle any combination of picture and sound.

This machine has been designed and built to give easy maintenance and accessibility to all parts. Because of this the main components are of unit design and are readily changed. All the control gear, transformers and amplifiers are situated in the centre drawer which is easily removable.

The main drive motor is double wound, running the mechanisms at sound (25 f.p.s.) and double sound speed. Each of the four take-ups is fitted with a fractional h.p. motor. Each take-up motor has an individual illuminated on/off switch fitted on the front panel. Two magnetic brakes and a magnetic clutch are incorporated in the drive system to allow for instantaneous starting and stopping. An inching knob is incorporated for moving the film short distances.

The whole machine is controlled by one main switch. This has five positions; off, forward at sound speed, forward at double sound speed, reverse at sound speed and reverse at double sound speed. This one control switch turns the motors, brakes, clutch, etc., off and on in correct sequence. There are also facilities for fast rewinding

between the take-up motors.

Incorporated on both sound and picture sprockets is a device for de-clutching either and running separately. The picture can, therefore, be run separately from the sound and vice-versa.

*Short lengths of film from a foot upwards* can be run directly into a bin or linen bag. A rotating prism gives a virtually flicker free picture. The picture can be readily back projected, and both framing and focussing devices are incorporated. Still frames can be viewed and left for indefinite periods without any damage due to heat.

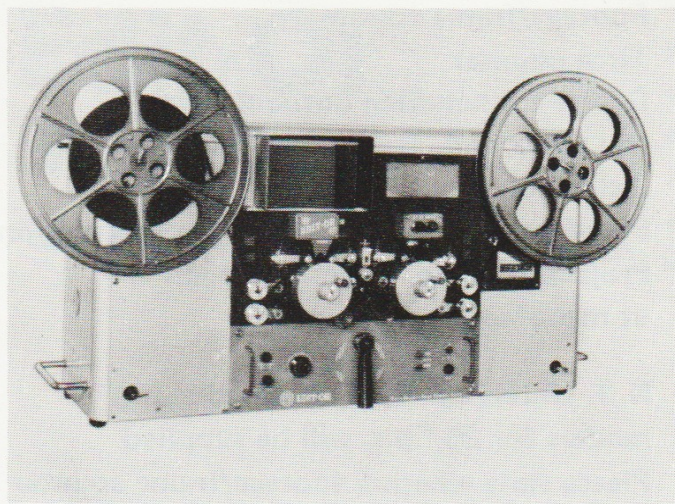
The picture is 7in x 4in including the sound track.

The lamp is Quartz Halogen 150 watt, 24 volt rheostat controlled.

Both optical and magnetic sound can be read. The magnetic head can read either edge or centre track and has an Azimuth adjustment. The amplifier is fully transistorised and has a 3 watt output. A jack for a headphone is incorporated in the circuit.

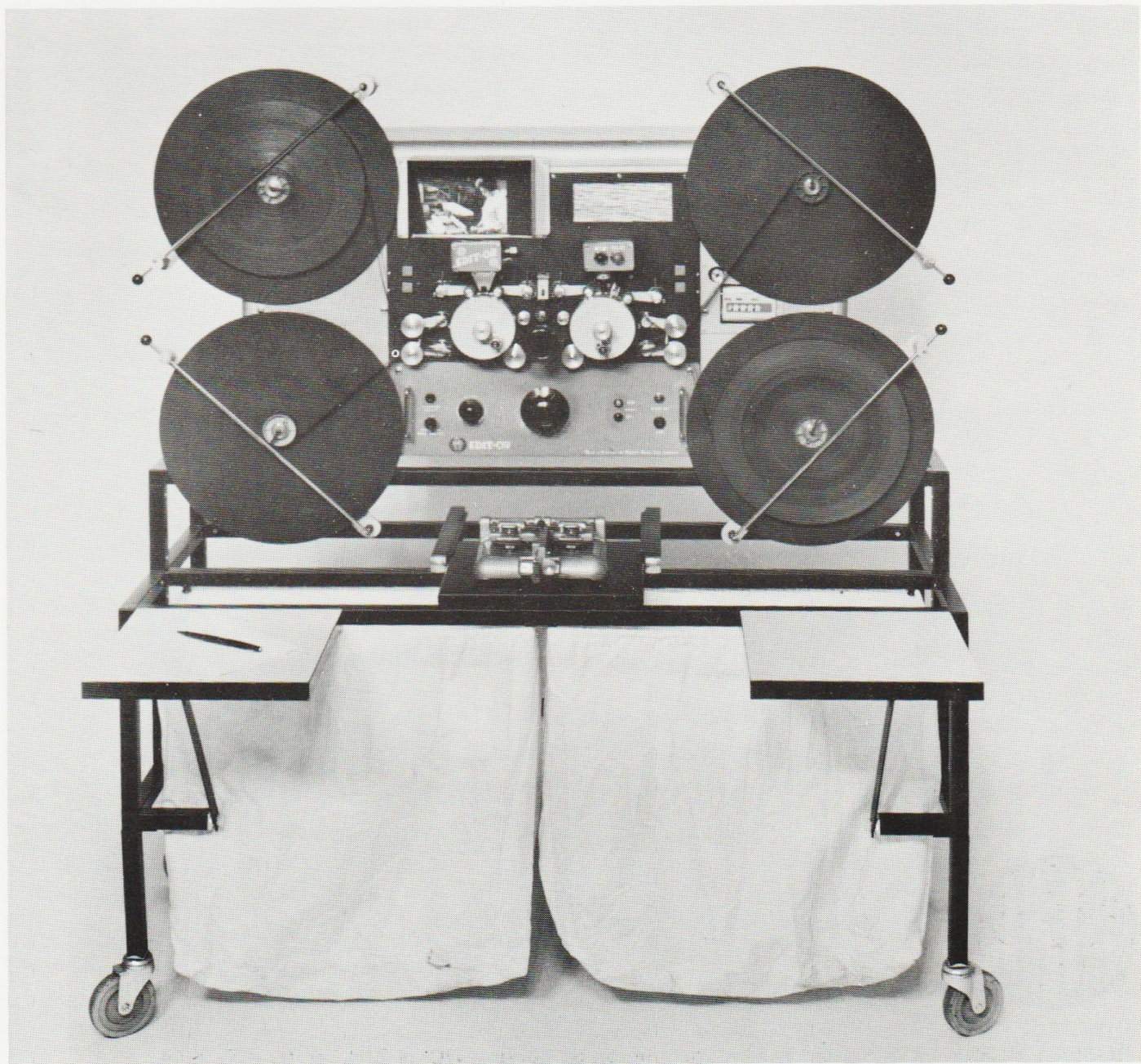
In operation the machine is easily and quickly threaded within 5 seconds. The accessories available include a footage or time counter and a device for handling unspooled film, a DeLuxe stand with detachable cloth linings or a standard model stand constructed in tubular metal.





*Above: Editor Mk. II showing  
combined print*

*Below: Mk. II on DeLuxe stand*





- \* Footage/frame counter
- \* Time counter
- \* Device for handling unspooled film
- \* DeLuxe stand, as illustrated, including  
2 cloth bags
- \* Standard model stand (tubular construction)
- \* Projection lamp, Quartz Halogen  
at manufacturer's list price

N.B. Unless otherwise ordered

models for 25 f.p.s. will be supplied

Please state whether footage/frame counter

OR time counter is required, and DeLuxe  
stand OR standard model.

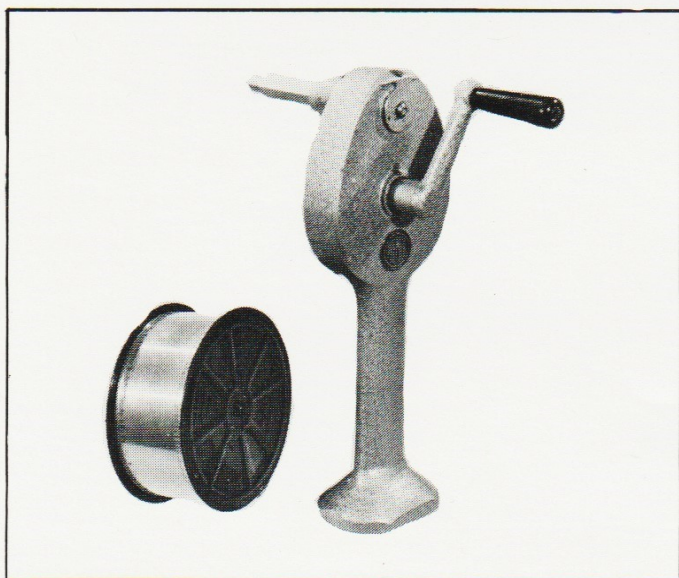




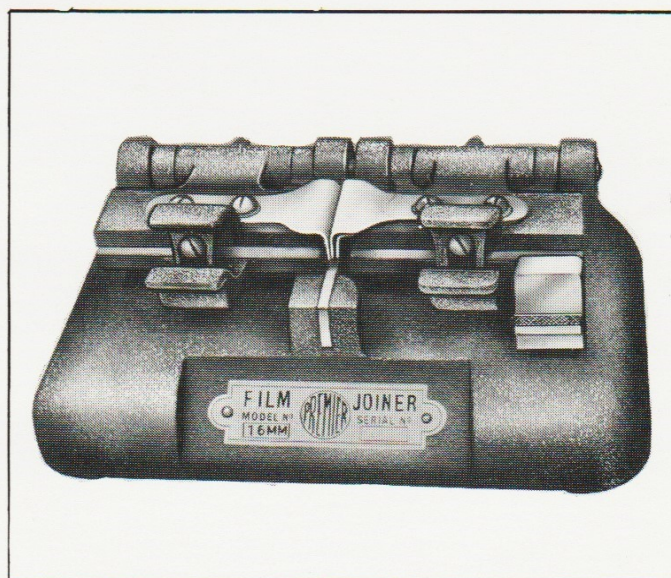


# Microfilm Accessories

Premier manufacture a large range of items suitable for microfilm, as can be seen from the illustrations. The equipment is all based on well-known and well tried equipment used for cine film. The equipment can be supplied normally for 16mm or 35mm film. Other gauges or sizes can be quoted for, and the Splicer can be supplied for perforated and unperforated film. Both Cement and Tape Splicers are available. More detailed specification can be obtained from other Premier leaflets. Custom-made equipment for microfilm can be supplied and quoted for, such as storage.



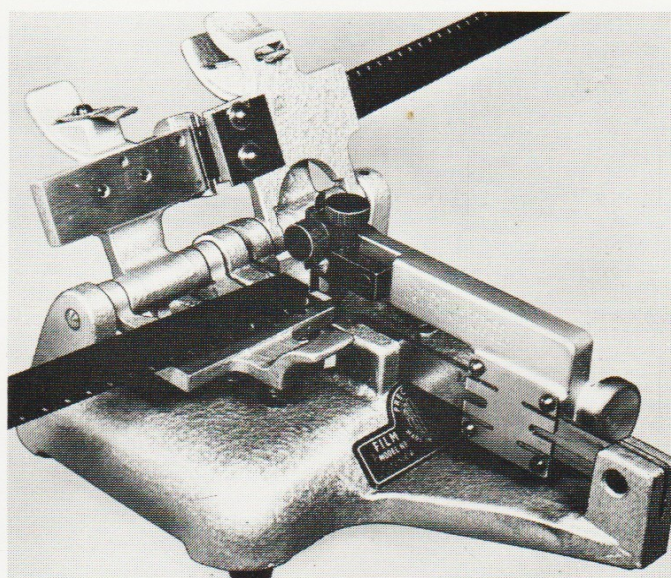
REWINDER



DELUXE SPLICER (FILE TYPE)



VIEWER



SPLICER WITH AUTO SCRAPER





# Super 8mm Equipment

## SPLICERS - REWINDERS - SPOOLS - MEASURERS

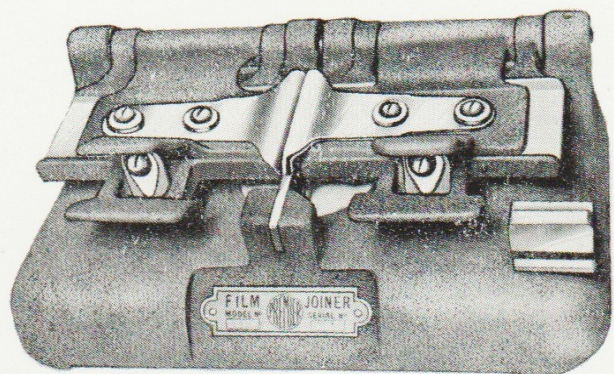
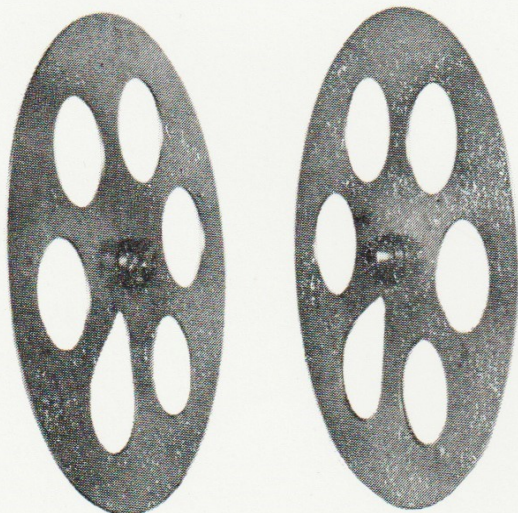
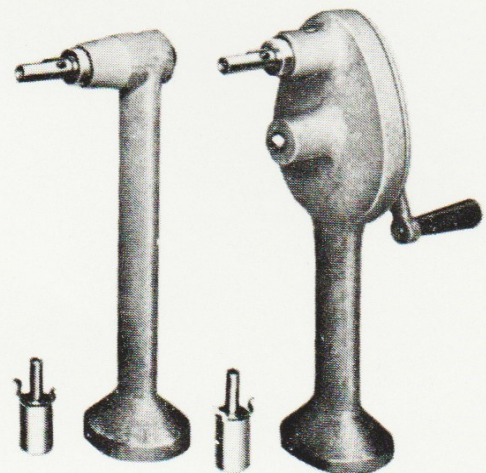
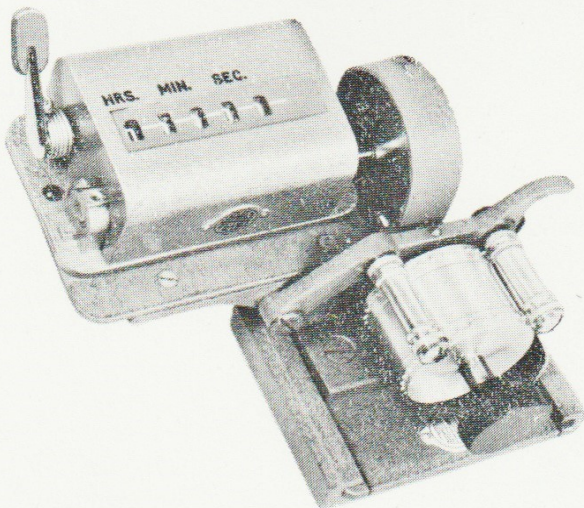
The well-known PREMIER de luxe Splicer with file type or autoscraper is available for 8mm film.

The specification is identical to the 16mm models on leaflets 100 and 100A.

The Standard Rewinder double or single geared is described in detail on leaflet 102 and shown below for Super 8mm.

Plastic Spools and Split Spools are available, these are shown and listed under leaflet 77.

Measurers and Synchronisers are available. These are built similarly to the 16mm and 35mm models.







# Professional Film Cement

for Laboratories, Cutting Rooms,  
Television, Film Laboratories

This film cement has been prepared to the highest professional standards and has been specially computed to give the best characteristics as to maximum drying speed with minimum effect on the film base, to avoid weakening or softening it.

Clean working, gentle working and fast drying.

Suitable for both Negative/Positive and Reversal Film Stock, 35/16/8mm.

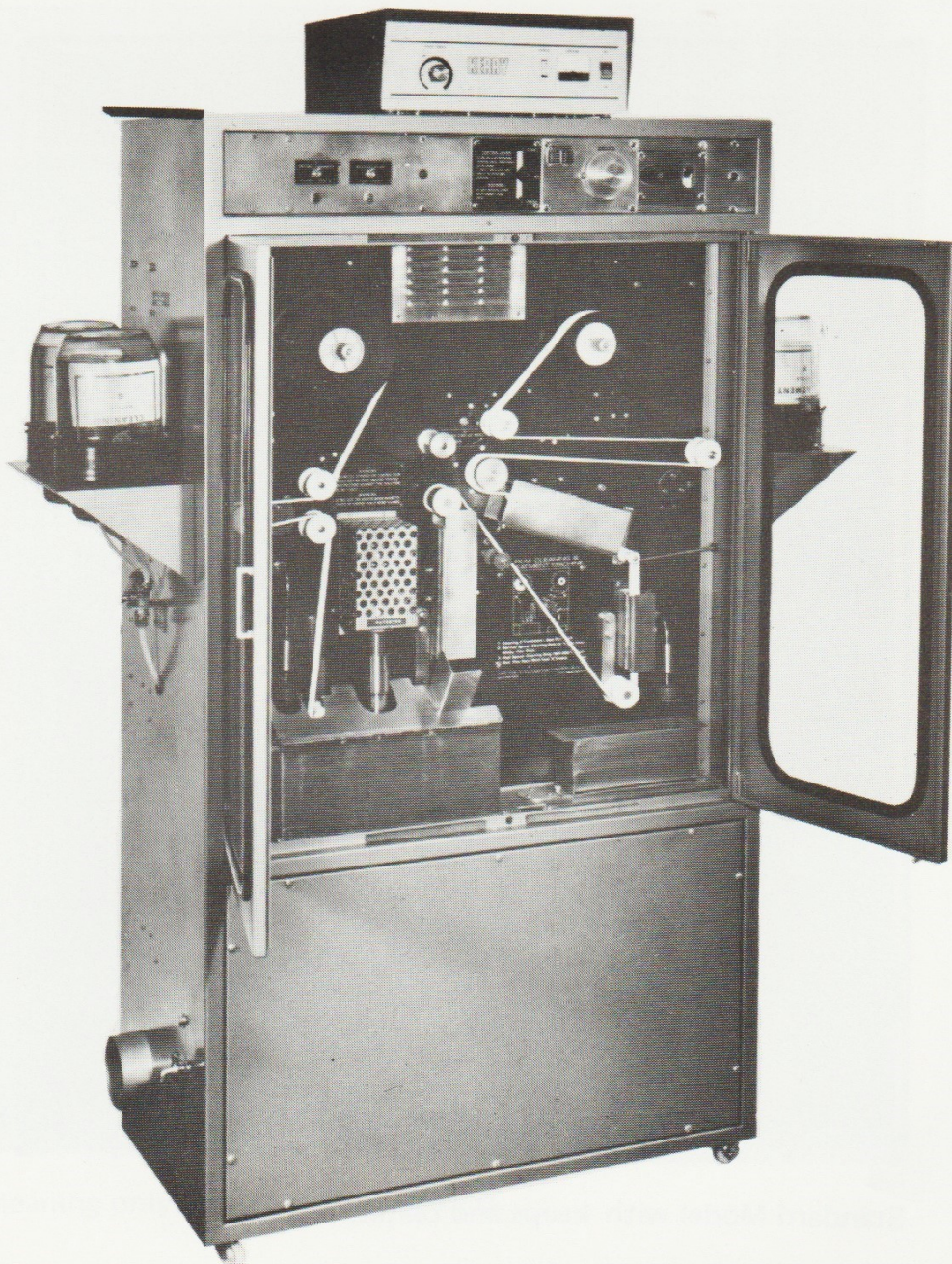
Available in 1oz. bottles and 20 oz. tins.







# Compact Film Cleaner & Treatment Machine with Focussed Ultrasonic

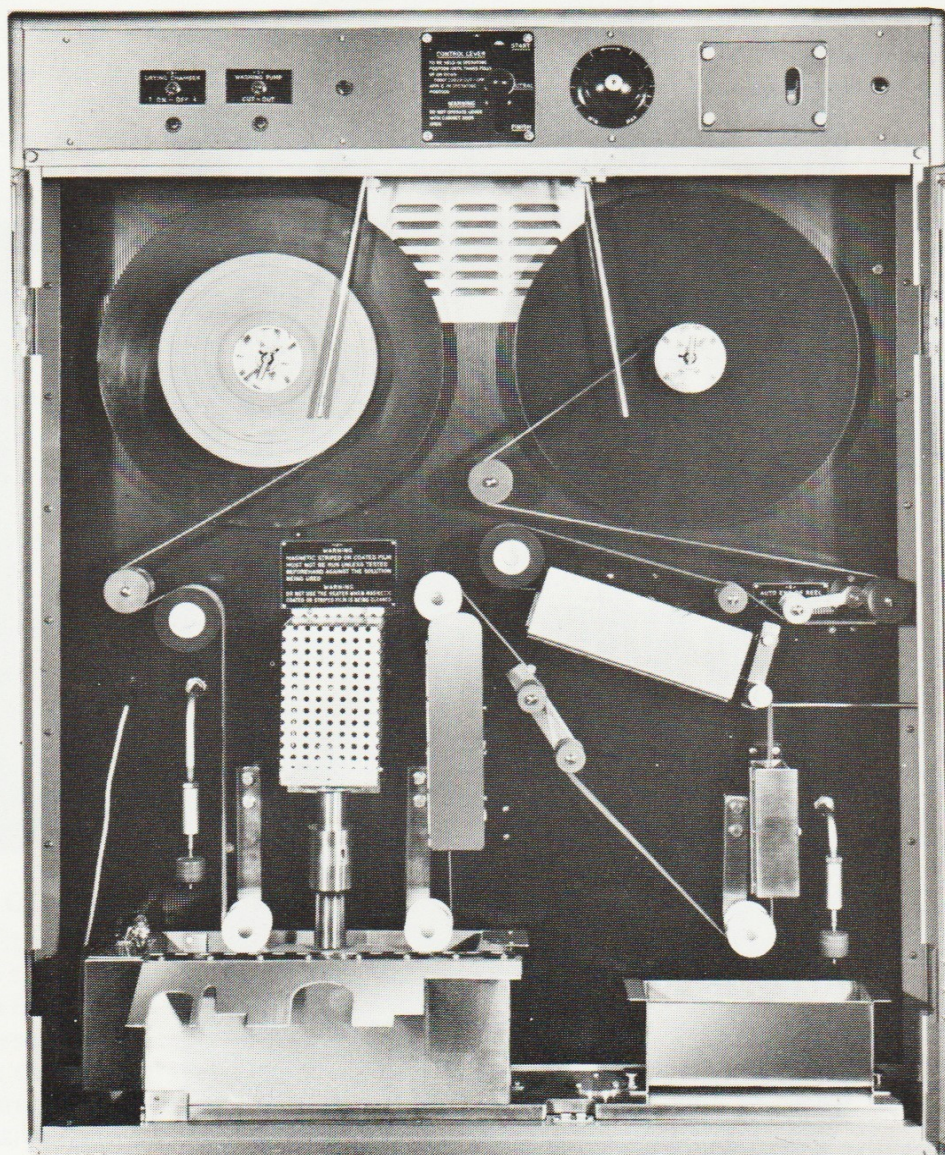






# Focussed Ultrasonic

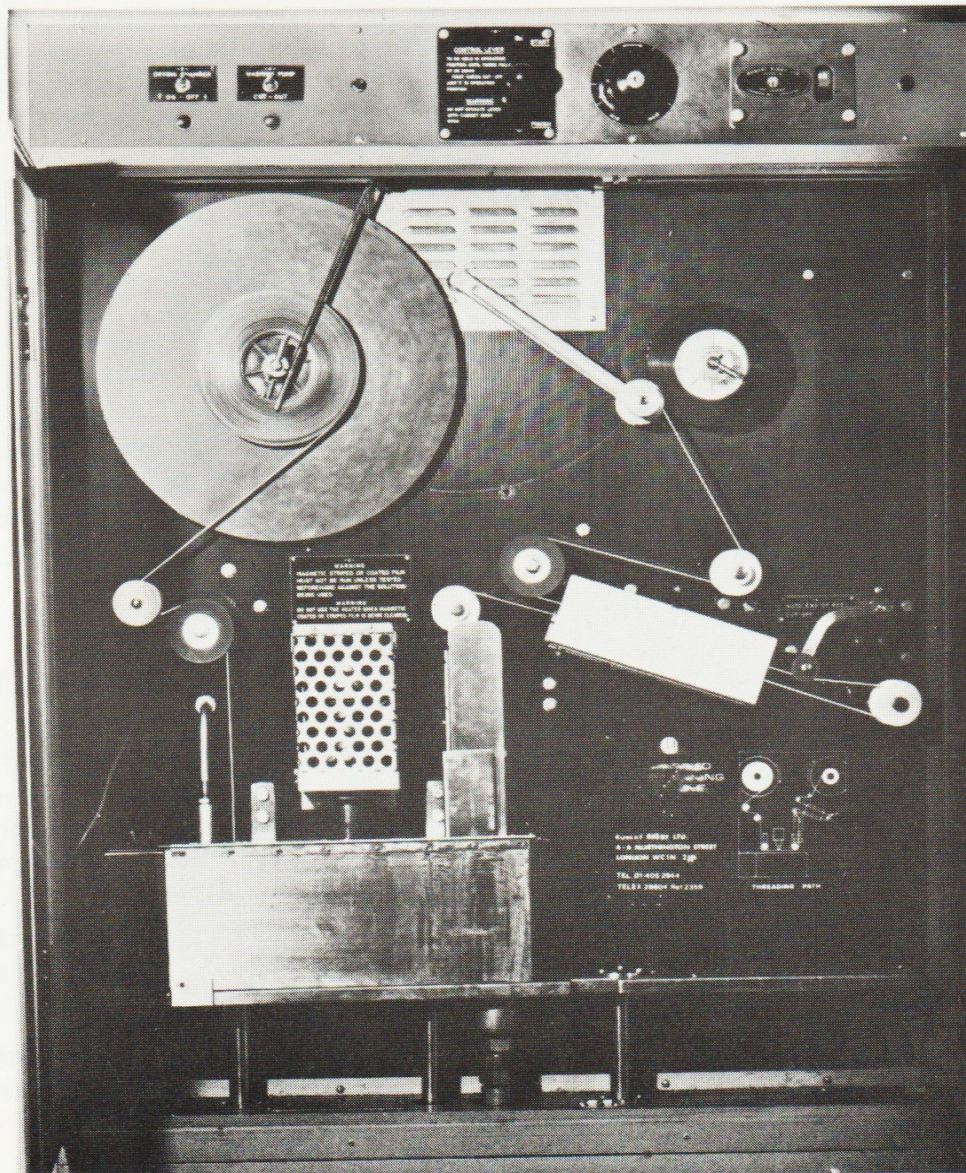
USE COVERAL FILM  
PROTECTION SOLUTION  
(Leaflet 130A)



Standard Model with keeps and plates.



- \* HIGH SPEED — HIGH EFFICIENCY
- \* Fully Automatic process Cleaner/Treatment Machine
- \* Dual Use 35mm/16mm. (8mm quoted specially)
- \* Built-in FOCUSSED ULTRASONIC Unit for FASTER and Improved Film Cleaning
- \* Cleaning only OR Cleaning/Treatment
- \* Unique removable Cartridge Filter for cleaning solution
- \* Automatic circulation and filtration to Cleaning Solution
- \* Automatic Solution Feed
- \* Highly efficient Triple Spray Cleaning
- \* Output 0ft—200ft per minute (0m—61m)
- \* Heated Cleaning Liquid and automatic temperature control
- \* Hot and Cold Air Drying
- \* Efficient Fume Extraction System
- \* Automatic Lift to Solution Tanks
- \* Safety Cut-out in case of film breakage and to stop machine at end of reel
- \* Low power consumption



Cleaning only model with Tite Wind.



# General Specifications

## EASY THREADING

The Threading Path is both short and accessible 8 feet for cleaning only and less than 10 feet for cleaning and treatment which comes within the I.S.O. Leader lengths.

## CLEANING SYSTEM

The new cleaning system incorporates Triple High Velocity Spray Jets giving a circulation speed of one gallon per six seconds. It incorporates a high efficiency removable cartridge filter.

## FOCUSSED ULTRASONIC UNIT

The Ultrasonic Cleaning System achieves extremely high standards of cleanliness. It efficiently removes contaminants and dirt from both surfaces of the film in a fraction of the time required to achieve the same results by any other method. The full Cleaning Energy of the Ultrasonic probe is focussed on the film giving the maximum cleaning effect at the film surface. The diameter of the probe is just over 35mm thus covering both 35mm and 16mm gauge films.

## HEATER CHAMBER

A Heater Chamber has been included with a separate Air Filtration System to assist in the drying of the film.

## TREATMENT SYSTEM

The film can be threaded to include the Film Treatment Tank as well as the Cleaning Tank.

## DRYING SYSTEMS

There is a Twin Air Knife drying system within the Spray Cleaning Chamber.

## SPEED CONTROL

A Thyristor speed control regulator effectively controls the motor speed at an even output between 0' and 200 feet per minute (0 and 61 metres per minute). For general use the machine can be run at maximum speed, the speed can be reduced where the film is subject to excessive dirt or grease pencil marks, or where special coatings of Film Treatment are required (viz. 'Covaryl').

## REPLENISHMENT SYSTEM

The machine incorporates Automatic Gravity Feed for both Cleaning and Treatment Solutions. Levels are maintained automatically in the respective tanks. Dual filling bottles are fitted for both Cleaning and Treatment solutions with a switch-over tap to permit the operator to switch from the empty to the full bottle.

## SWITCH CONTROL

The machine is supplied with fully automatic switching to lift and raise both Film Tanks.

## FILLING SYSTEMS

Provision has been made for draining off the Cleaning Tank System where necessary and a separate feeder pipe with tap is fitted for this purpose. A self-syphoning Pump is provided for filling the bottles and tank from drums.

## CLEANING TANK HEATER

A Heater is fitted to the Cleaning Tank which ensures the maximum cleaning results. This heater is thermostatically controlled and can be adjusted either side of 35° C.

## CABINET

The Cabinet, fitted with castors, is totally enclosed for the Cleaning System, but the Filler Bottles are fitted to the outside for easy removal and replacement and these bottles are in clear glass to permit visual checking of the levels.

## MODELS

A Cleaning only model is available giving an even shorter threading path.

A **SERVO DRIVE** take up and drive system is available and is illustrated. This gives an absolute constant take up tension, is the ultimate in film drive systems and can be quoted for.

A **TITE WIND** can be fitted on the take up instead of plates and keeps and is illustrated on front cover.

The Standard Model is fitted with keeps and plates and is supplied unless otherwise specified.

**SIZE:** 80" x 45" x 20" (2m x 1.2m x .5m)

**WEIGHT:** 596lb 270 kilos.



# *The latest* **Covaryl SP**

## **FOR USE WITH THE PREMIER FILM CLEANER/TREATMENT MACHINE (LEAFLET 130)**

### **FILM TREATMENTS**

There are two basic types of Film Treatment — Waxing and Film Coating.

It must be strongly emphasised that Film Waxing is only a lubricant for film and is not a protective layer to support and seal the humidity of the film or offer a hard surface resistant to abrasion. To off-set this, and provide a hard layer, lacquer coatings are sometimes used. The problem with lacquer is that it has to dry quickly at high temperatures and this means a reduction in the relative humidity of the film and as a result the emulsion and film base lose some water needed to maintain the fluid balance with the danger of the film becoming brittle. It has the further disadvantage that there is difficulty in removing it should the lacquer coating have to be removed for the regeneration of film prints or originals.

For this reason we strongly recommend the use of 'Covaryl' Film Coating Solutions as opposed to other treatments and we can supply a newly developed formula for this purpose, 'COVARAL S.P.'

### **'COVARAL S.P.'**

'Covaryl S.P.' contains a percentage of lacquer and this gives a protective coating at high drying temperatures that do not change the fluid balance of the Gelatine. The solution in addition to providing a hard protective coating contains a waxing agent to offer lubrication to the film through the projector mechanisms. It also contains an anti-static agent to resist the build-up of static through frictional use. The degree of coating and thickness of the layer can be increased by running at lower speeds, if so desired.

**Covaryl** is a new film coating protection for Black & White and Colour Stock.

## **COVARAL**

*Tested and Recommended by*

- \* **Raw Stock Manufacturers**
- \* **Television Stations**
- \* **Film Libraries**

- \* Positive/Negative Film
- \* Magnetic Striped Film
- \* Increased resistance against scratching on both emulsion and base.
- \* Dust free films.
- \* Reduction of the frictional coefficient of film.
- \* Maintenance of the film flexibility.
- \* **LONGER LIFE.**



## Specification

Covaryl means offering a new protecting layer onto the base and emulsion. This plastic layer contains (amongst other properties) a wax component to reduce frictional resistance.

## PURPOSE OF COVARAL:

Hard surfacing is essential to resist scratching often occasioned by accumulated dirt. Dirt and dust are repelled by the anti-static ingredient of the solution.

Probably the main ultimate danger to shortening the life of film is its tendency to brittleness. Covaryl stabilises the flexibility of film to achieve a long, safe, useful life.

These aims could not be achieved by current methods and for this reason extensive research was undertaken to overcome these problems. The result was COVARAL S.P.

## Advantages of Covaryl

Tests of Covaryl by two leading raw stock manufacturers produced the impressive data below:

### A. Frictional Coefficient

	Untreated		Treated	
	Emulsion	Base	Emulsion	Base
Black and White .....	0.47	0.57	0.18	0.34
Colour Negative .....	0.36	0.43	0.24	0.20

Other stock showed the same proportional reduction.

### B. Resistance to Scratching

Black and White .....	3	4	2	2
Colour Negative .....	3	3—4	2	2

### C. Test of Electro static charge

	Untreated		Treated	
	against brass	against rubber	against brass	against rubber
Black and White .....	26000	58000	8000	31000
Colour Negative .....	2400	59000	1800	26000

ALL TYPES OF FILM INCLUDING REVERSAL: DUPES, etc. were tested and similar results obtained, **SHOWING CONCLUSIVELY THE EFFECTIVENESS OF COVARAL TREATMENT**

## TESTING METHODS

### A. Frictional Coefficient

This was measured in relation to film rollers, film printing gates and projectors.

### B. Scratch Resistance

The film was exposed to rotating brushes of different flexibility. The results were judged and measured as to base and emulsion.

### C. Electro Static Charge

Measured at a relative humidity of 30% by contact with brass and rubber.

## Treatment Method

Though various methods are possible the Premier Cleaner/Film Treatment Machine has been effectively designed to handle the special characteristics of Covaryl, and Covaryl can be removed and reapplied on this machine as Covaryl can be removed by Butyl and in this way negative material can be recleaned at any time when such is needed.





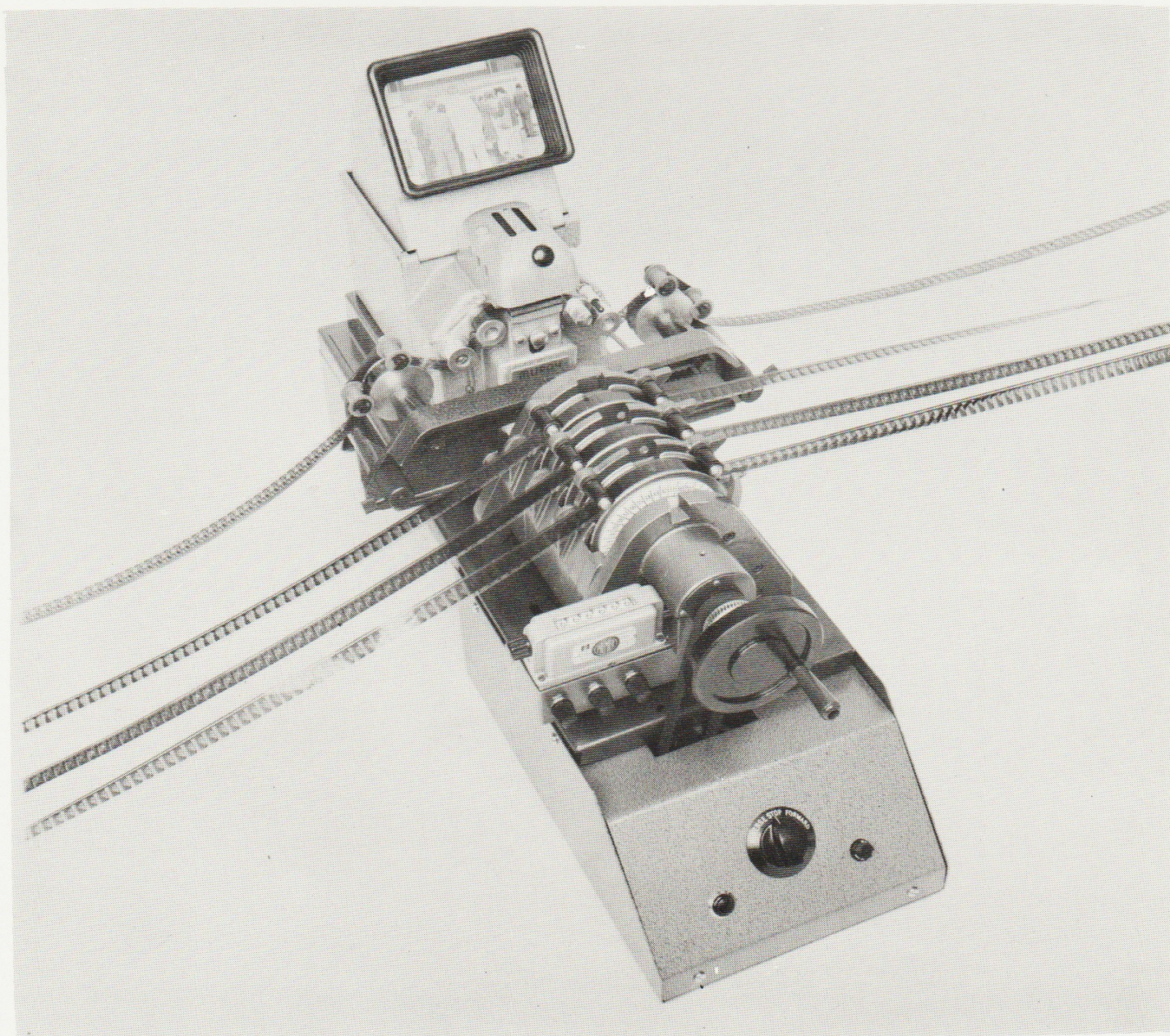
# Viewer Synchroniser Attachment and Moto Sync

- \* Adds Picture to your Premier Synchroniser
- \* Adds Sound Speed to your Synchroniser

The Premier Viewer Sync Attachment is designed to add picture to your Synchroniser. It is a device to couple up your animated viewer to your Premier Synchroniser. As can be seen from the illustration, the Synchroniser, Attachment, and Viewer are mounted on a board. Any size synchroniser can be used, 4-way, 3-way, etc. The recommended Viewer is the Muray.

The illustration shows the unit fitted to a Moto Sync. This is a device for motorising the viewer and synchroniser and running them at sound speed forward or in reverse. There is also a de-clutching device to enable the synchroniser to be operated by hand. The Moto Sync is normally supplied for 25 f.p.s. It is an extremely useful piece of equipment.

The illustration shows the Muray Viewer, the Attachment, a Premier 4-way Mark 11 Synchroniser fitted with three underhead magnetic heads and the Moto Sync. The synchroniser has a built-in rheostat for each head and a mixer box. The Viewer Sync Attachment can either be fitted by the user or, if the items are returned to the manufacturer, by them or their Authorised Agent.





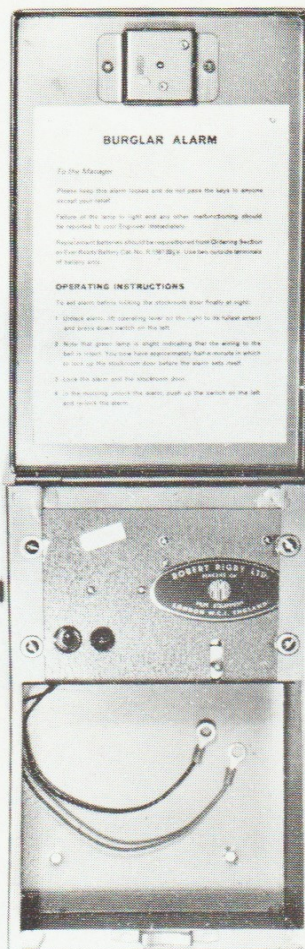


# Burglar Alarm

- \* Safeguards Stock Room Doors etc.
- \* Extremely Sensitive — Cannot easily be Tampered with

The Premier Burglar Alarm has been specially designed to prevent entry through doors. In operation, it is fixed to the inside of the door to be protected. A lead to the alarm bell or alarm device comes from the unit. The unit works on a 22.5 volt battery. In operation, the door of the alarm box is opened and the unit is switched on. The setting lever is raised. The door of the alarm, and the door itself are then closed and locked. The

timing mechanism of the unit allows 30 seconds for this. At the end of this time a weighted ball is held on a pivot, any undue movement of the door causes the ball to drop from the pivot, and the alarm is set off. The alarm cannot be turned off or reset. It is strongly yet simply constructed with a minimum of moving parts, which means minimum maintenance.





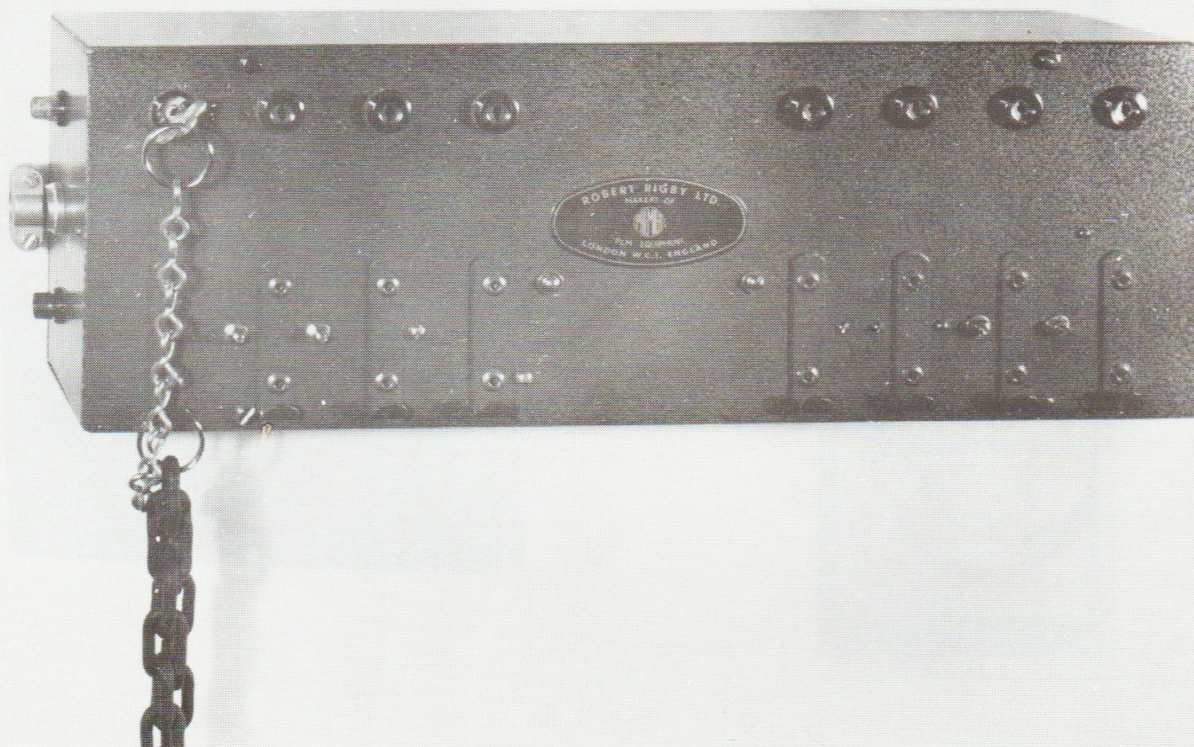


# Chain Lever Alarm Box

- \* Instant Visual & Audio Check of Exit Door Chains
- \* Safeguard to prevent Safety Regulations being broken
- \* Only operates when the mains and secondary lighting are switched 'On', i.e. when the public are present

The Premier Chain Lever Alarm Box has been designed to help ensure that the public are not admitted to a public place of entertainment without the chains on the Exit doors being removed. This device is extremely easy to use. It comprises the equivalent number of hooks and key switches to chains being used. Each chain has a key which fits into a key switch enabling the switch to be turned off. Until all the key switches have been turned off, the alarm bell rings. The device is wired to the secondary lighting circuit and the mains. It is double fused on the secondary

circuit as well as the fuse on the mains side, to meet safety requirements. It automatically comes into operation as soon as the secondary lights and then the mains are switched 'On'. The bell starts ringing and can only be switched off when all the key switches have been turned off with the individual keys attached to each chain. A neon light indicates that the mains is 'On'. When ordering it is necessary to state the secondary voltage and the number of chains. The illustration shows an eight-way box. The box is rigidly constructed in stove enamelled steel.







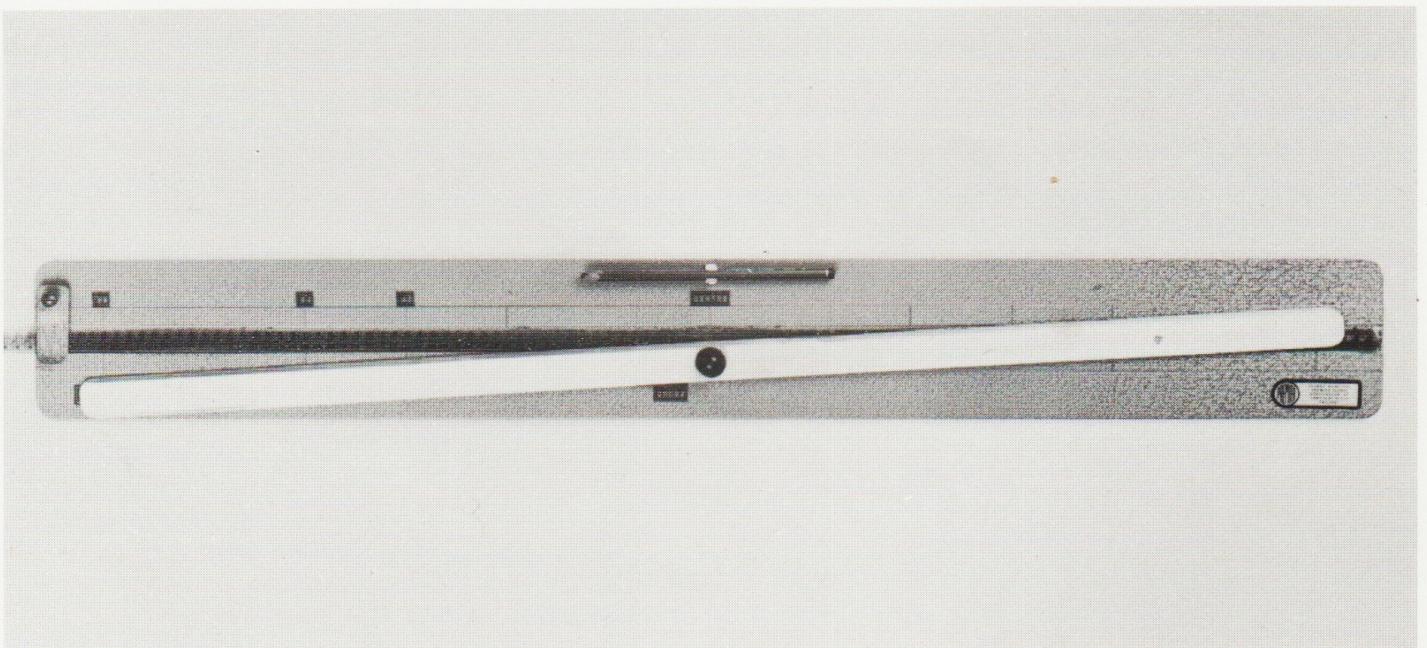
# The Fade/ Dissolve Marker

- \* Models for 16mm and 35mm Film
- \* Quick Easy Marking for a Fade or Dissolve
- \* All Metal Construction
- \* Fast and Accurate in Use

The Premier Fade/Dissolve Marker has been designed to facilitate the easy marking of film for fades and dissolves. It gives an accurate and tidy mark, using a chinagraph pencil on the celluloid side of the film. The length of mark is shown on the device and various frame lengths can be obtained. On the 16mm version these are 16,32,64 either side of the desired frame.

The Marker is fitted with a clip and supplied with a chinagraph pencil. In use the film is placed in position; the marker rule is then placed over it, locating it either for a fade or dissolve, as required, and the film is then marked with the chinagraph.

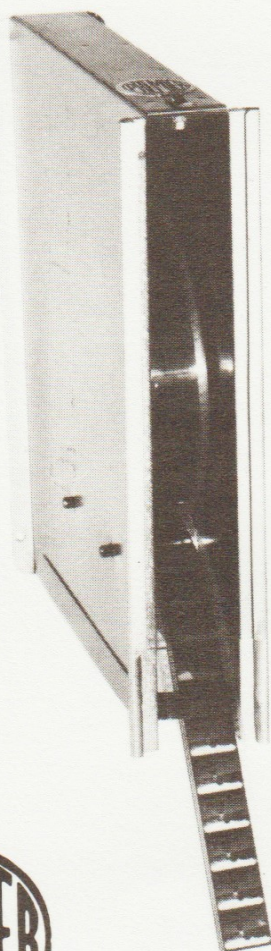
This is a new simple device designed for practical use for those who want accuracy and time saving.





# Premier Leader Spacer Dispenser

PREMIER LEADER SPACER DISPENSER BOXES are available for 35mm and 16mm film. This keeps the film clean and dust free. There is a clear plastic front to the box, the rest of it is metal construction. The boxes can be supplied with brackets for mounting two or more together or alternatively they can be fixed individually. They take up to 10" diameter film and have a simple yet effective cutting device.



# Premier Bobbin Dispenser

PREMIER BOBBIN DISPENSERS are available for 35mm or 16mm and are available in three sizes: 2" diameter, 3" and 4" diameter.

They are made of steel and have fixtures on the back for easy fixing to a bench or wall. The 16mm model is 15" high and takes 30 bobbins. The 35mm is 15" high and takes 15 bobbins. A must in any cutting room.







# Editing Accessories





### **Editing Gloves**

Two types are available, bleached and unbleached. They are strongly made in cotton and are of high quality.

### **Selvyt Cloths**

Three sizes available, 10" x 10", 14" x 14", and 21" x 17". Each selvyt is individually packed to prevent it becoming contaminated. Of the highest quality, these selvyts are essential in any editing room, cinema, laboratory etc.

### **Chinagraph Pencils and Markers**

The latest chinagraph marker is supplied normally in 3 colours, red, yellow and white, other colours are available.

Premier also have a range of permanent and semi-permanent marker pens available in various colours.

### **Blooming Ink**

Blooming Ink in 4 oz. bottles is available.

### **Non-Magnetic Scissors**

The Premier non-magnetic scissors are made of the finest quality phosphor bronze, they have a 4" blade.

### **Plastic Bobbins (cores)**

16mm plastic bobbins either 2" or 3" diameter are available. The 35mm bobbin is available in 2" diameter.

### **Spacer/Leader**

Two types of spacer are available. The plastic type needs no scraping and can be joined using film cement to acetate film. The other type available has emulsion and has to be scraped prior to joining if used with cement. Both types can be supplied in various colours or clear and are normally supplied in 1000' rolls. It is available for 35mm or 16mm. Academy and printed leaders are available by quotation.

Sellotape can be supplied and quoted for. Inhibisol cleaning sprays in 500 gm. aerosols are available.





# 8mm Equipment

The well-known PREMIER de luxe Splicer with file type or autoscraper is available for 8mm film.

The specification is identical to the 16mm models on leaflets 100 and 100A.

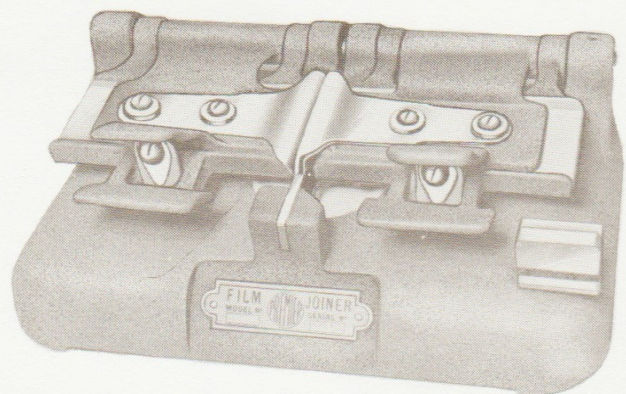
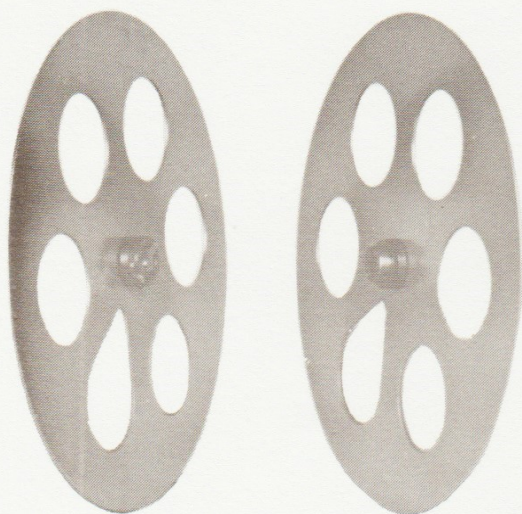
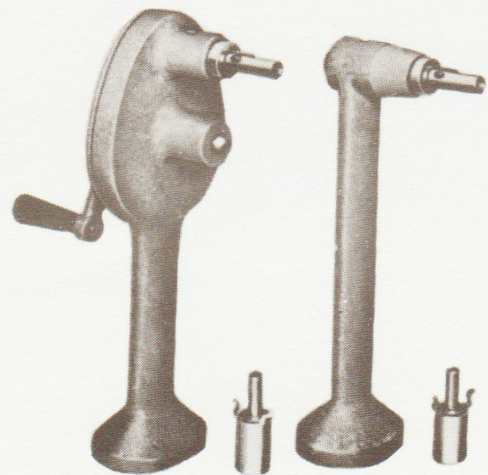
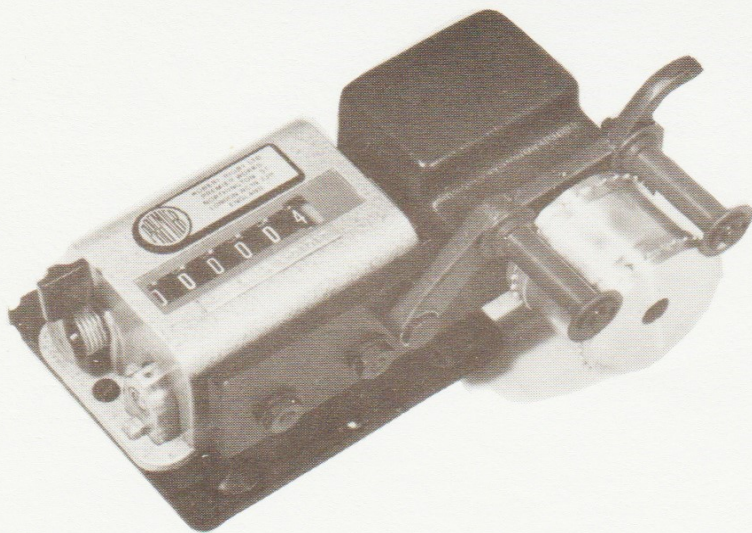
The Standard Rewinder double or single geared is described in detail on leaflet 102

and shown below for 8mm.

Plastic Spools and Split Spools are available, these are shown and listed under leaflet 77.

Measurers and Synchronisers are available.

These are built similarly to the 16mm and 35mm models.







# Slip Spool

**16mm, 35mm**

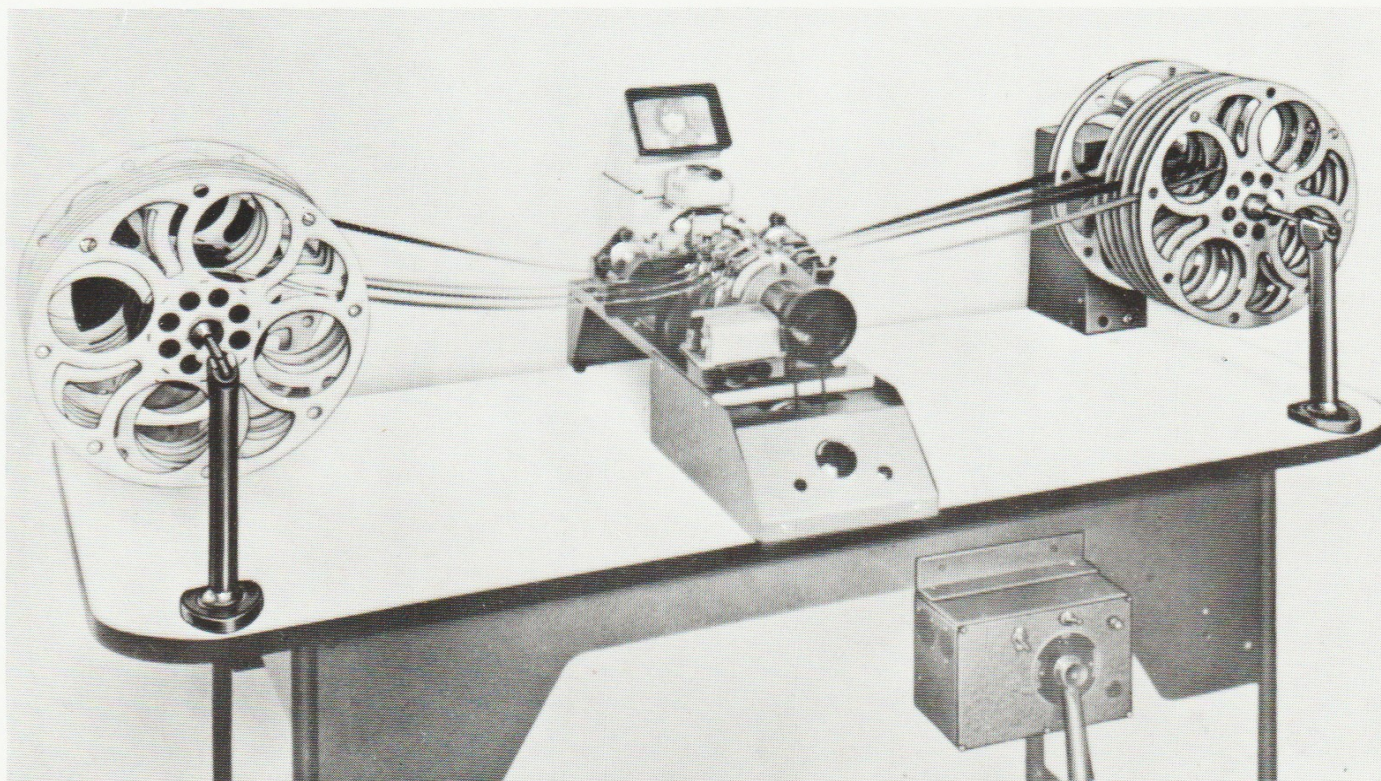
- \* Eliminates looping of film on multi-track operation
- \* Ideal for laboratories and cutting rooms

For many years the problem with multi-track rewinding has been looping of film due to uneven size diameters.

Many ideas have been tried and proved unsuccessful. The new Premier Slip Spool has been invented which gets over looping. It is very simple and easy to use. In operation the spool itself is driven by the rewind spindle either by using a square shaft or a keyed shaft. The slipping device is on the film core itself.

Premier Slip Spools are available in various diameters for 16mm and 35mm film and are normally supplied with screwed split spool cores.

In conjunction with the slip spool a motorised rewinder has been developed and is as illustrated. This rewinder is variable speed foot operated. Both ends are motorised and operate together thus giving a constant take-up. Film can be fed through the synchroniser by hand in *either* direction. The synchroniser as shown is motorised.







# Premier Cinecare™ Film Perforation Repairer

This new film repairer restores the track around sprocket holes and prolongs the life of 16 and/or 35mm films. Shrunk or stretched film can also be mended. A 16/35mm motorised model is available for film libraries, studios, cinemas, A.V. centres etc.

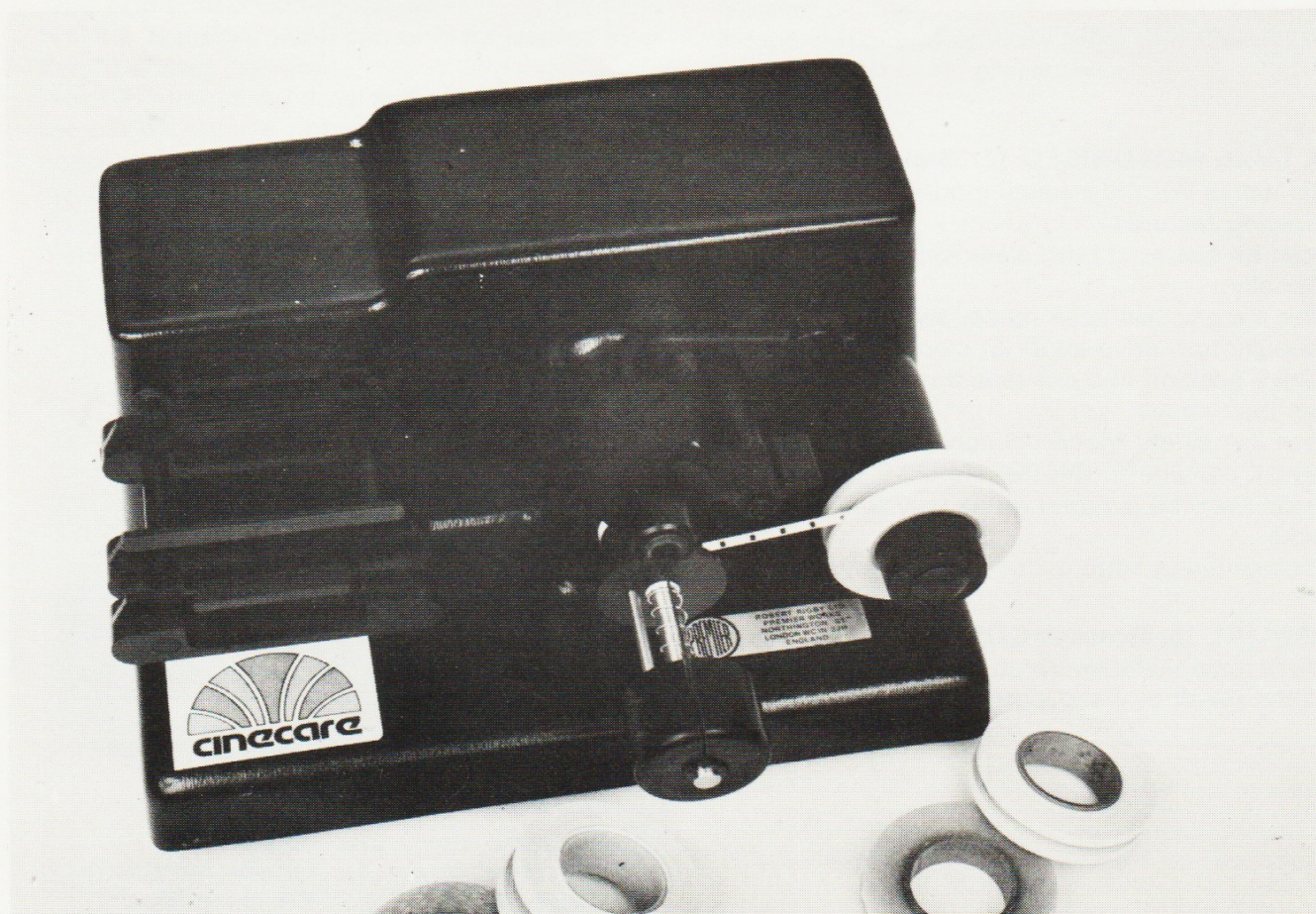
- \* Eliminates expensive replacement footage.
- \* Prevents picture jump and sound drop out.
- \* Stops wasteful down time.
- \* Saves old films being retired early.
- \* Protects the leading and trailing ends of **new films**.
- \* Encloses chipped, damaged and torn holes and, indeed, holes that are missing, with a tough, hard wearing Mylar tape that does not affect the performance of the film cine projector.

The repairer is mounted on a black moulded plastic platform and has three main components (plus an electric motor for power drive when fitted).

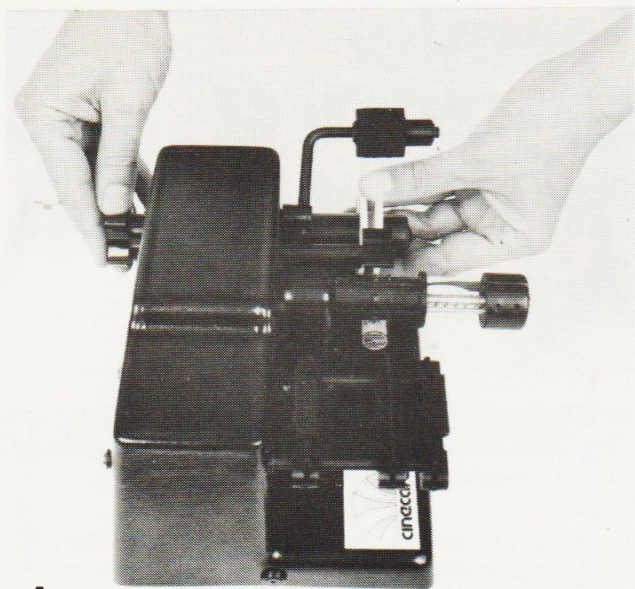
The polypropylene bridge aligns the 16 or 35mm damaged film on to the sprocket.

The combined Teflon sprocket, pressure roller and Mylar tape (not film) cutter introduces the tape to the film with the sprocket holes in correct alignment. The pressure roller completes the film/tape adhesive seal and the cutter severs the tape equidistant between sprocket holes.

The tape is mounted on an "expandable" roller the diameter of which can be adjusted to provide a friction brake on the tape roll. This provides a variable on the tape tension to allow sprocket hole alignment on shrunken or stretched film.



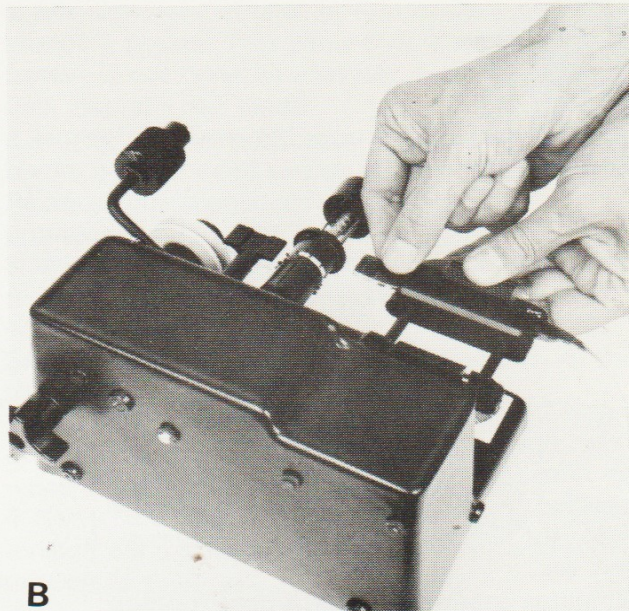




**A**

### Loading Repair Tape

Lift Pressure roller (1) up and to the right.  
Position repair tape roll on tape roller (3).  
With knife (10) in vertical position.  
Turn tension control knob (5) left or right until the tape roll rotates with little drag (see tape lamination).



**B**

Thread repair tape around sprocket (4) with adhesive side away from sprocket. The end of the tape should be at 12 o'clock position on the sprocket after threading.

### Loading Film to be Repaired

Press track hinge (8) away from guide track (7) and then release once film is seated in track.

### DE LUXE MOTORISED 16/35mm MODEL

This works like the manual models except for the following features:

It can be operated both electrically **and** manually.

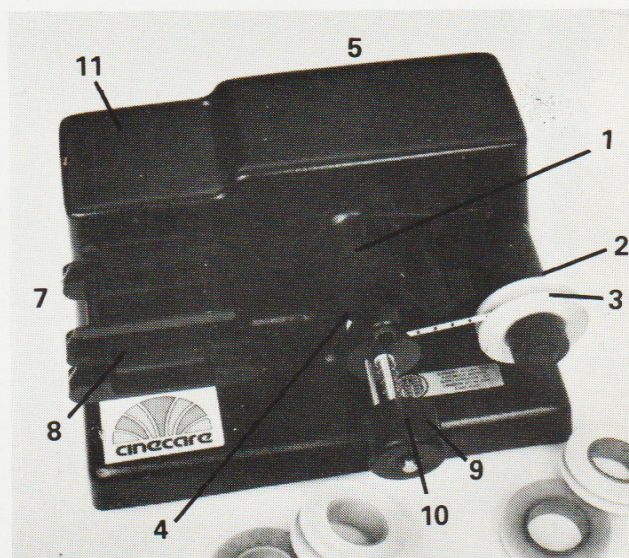
After a repair has been made, switch OFF and manually turn drive knob (9) clockwise to 10 o'clock position and cut tape and remove film as described above.

**Note 3** A safety friction clutch is fitted to prevent damage to the film should it for any reason become jammed on its way to the guide tracks.

When ordering state mains voltage required.

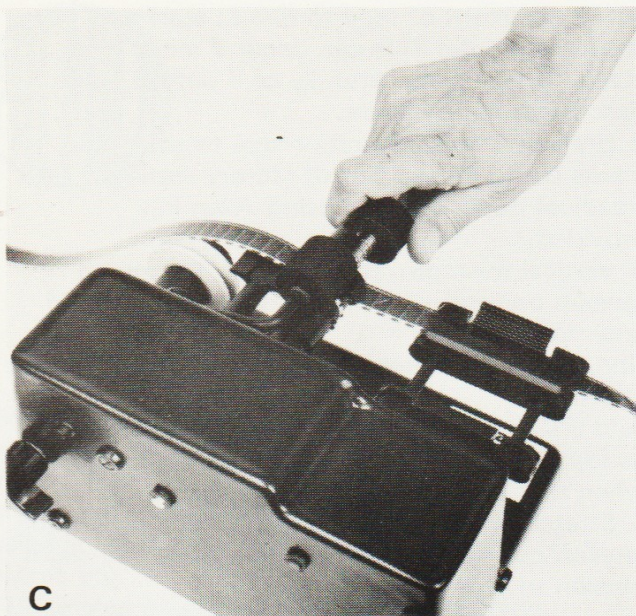
### MANUAL 16/35mm MODEL

This is a manually operated model which carries out the repair by hand operation.



- |                             |                                   |
|-----------------------------|-----------------------------------|
| 1 Pressure Roller           | 7 Film Guide Track                |
| 2 Tape                      | 8 Track Hinge                     |
| 3 Tape Roller               | 9 Drive Knob                      |
| 4 Sprocket                  | 10 Knife                          |
| 5 Tape Tension Control Knob | 11 Motor Switch for De Luxe Model |





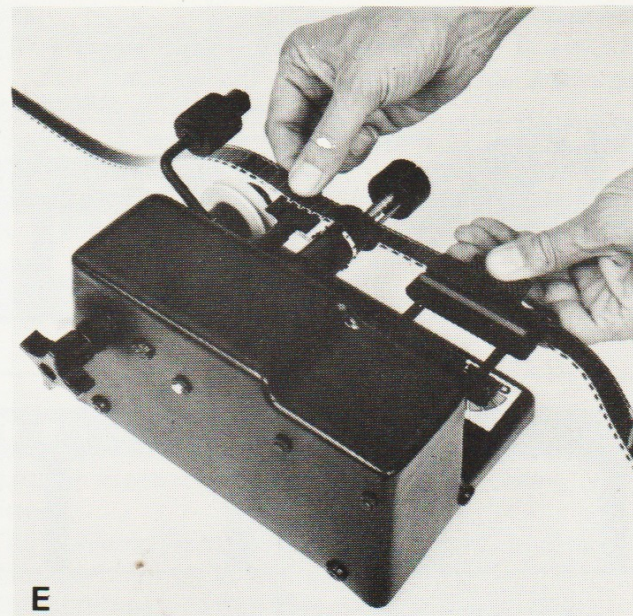
Using undamaged film perforations, that precede the damaged sprocket track, for the initial sprocket hole registration, press the film firmly on to the sprocket (which has already been threaded with repair tape). Lower pressure roller (1) on top of sprocket (4). Turn drive knob (9) clockwise to laminate repair tape on film.

To finish repair push the drive knob in to cut the tape at the 10 o'clock position.

**Note 1** The drive knob can only be pushed in at the 10 o'clock position.

**Note 2** Turning the drive anti-clockwise to reach the cut off point is not recommended as this action can position the film in the path of the cut off blade.

Pull drive knob back and turn clockwise to 11.30 o'clock position.



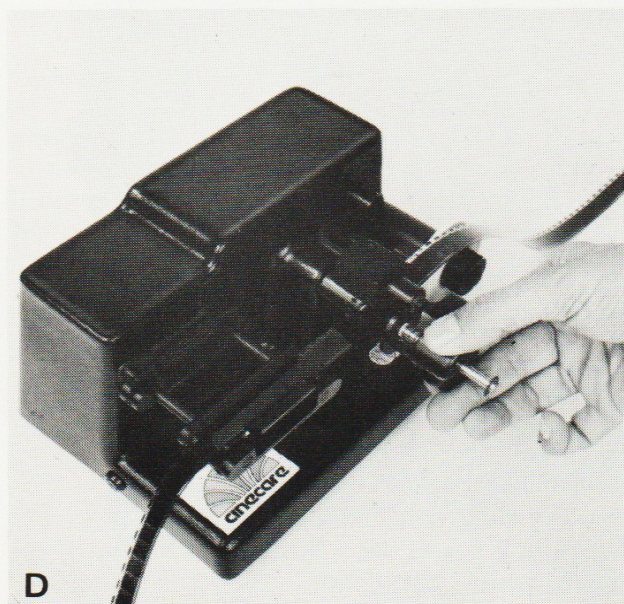
Lift pressure roller (1) up and to the right. Release film from guide track (7) by pressing on track hinge (8).

Turn drive knob (9) to place the repair tape end in the 12 o'clock position ready for the next repair.

Inspect repaired section for accurate registration and lamination (see repair tape lamination).

Misregistration of repair tape to film is most likely to occur at the beginning and end of a repaired section.

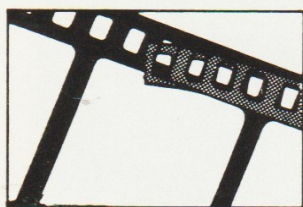
If tape is required on both sides turn film over and carry out same procedure.



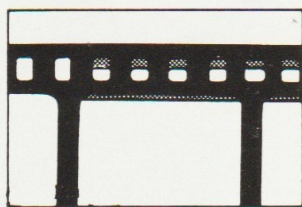


### Lamination of Tape on to Film

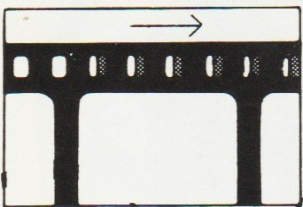
Examples of improper lamination are shown with appropriate corrective action in the adjacent text.



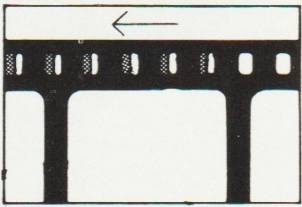
1



2



3



4

### Recommendations on Repairing Film Perforation Damage.

Avoid applying the repair tape over any fragments of folded back film. This will cause a "bump" on the side of the film and affect smooth projection. Smooth out or remove these fragments of folded back film.

Take particular care when applying repair tape over splices on 16mm film. Use full width splicing tape to repair any damage that extends into the picture area.

Inspect film, especially head and tail ends, for signs of perforation deterioration, such as cracks in the perforation corners and repair with Mylar tape to prevent further damage.

It is further recommended that repair tape be applied to the first and last three metres (10ft) of new film to resist damage to these most vulnerable areas.

### Common Questions about Repairing Film Perforations

#### Do you apply the tape to one side of the damaged area or to both sides?

If the adhesive can be seen coming through to the other side of the film it is recommended that the tape be applied to both sides of the film. Many users repair both sides except when reinforcing perforations that are beginning to crack or when protecting new film.

#### Is the repair permanent?

Yes, in most cases the films will be retired due to emulsion wear and scratching before the repair tape needs to be replaced.

**1** Misalignment of tape to film at start and stopping points. This can occur if initial registration is not done carefully or if cut off blade is dull. Replace dull blade.

**2** Horizontal misregistration due to the guide tracks being moved out of factory setting. Readjust guide position using Allen key provided.

**3** Vertical misregistration due to: Too much tension on tape. Turn tension control knob (5) anti-clockwise.

Shrunk film; this has a similar appearance to that shown.

Add a slight amount of drag to film or film reel as repair proceeds. This action is necessary only when repairing film with severe shrinkage.

**4** Stretched film. Add tension to tape by turning tension control knob (5) clockwise, or add slight tension to tape reel.

### Will the repaired area be affected by inspection and cleaning machines?

No, except that the repaired section may stop when passing through inspection machines due to the increased thickness of the repaired area.

### What is done about cross frame tears?

Use a splicer that can apply a full width repair tape.

### What are the main causes of misregistration of tape to film?

Too much tension on repair tape. See Fig. 3. Film has severe shrinkage. This is referred to in the text for Fig. 3. Film guide out of alignment or broken. Realign or repair as necessary.

### What maintenance does the perforation repairer need?

Replace tape cut-off blade once a year or earlier if blunt. The blade is a modified 103 X-ACTO blade.

### Repair Tape Details

A DuPont Mylar base is utilised to give the tape strength and the non-oozing adhesive gives a firm bond to the film. The tape is thin enough to pass through without "jumping" or "rattling" in the projector gate.

### Important Ordering Information

Repair tape is available for 16mm and 35mm film in optically clear or white format. A special "Negative" tape for use with original and inter-negative film is also available.

16mm white or clear.

35mm white or clear.

Negative clear only.

Minimum 2 Tapes per roll (core).

Approx length 70ft (21m).





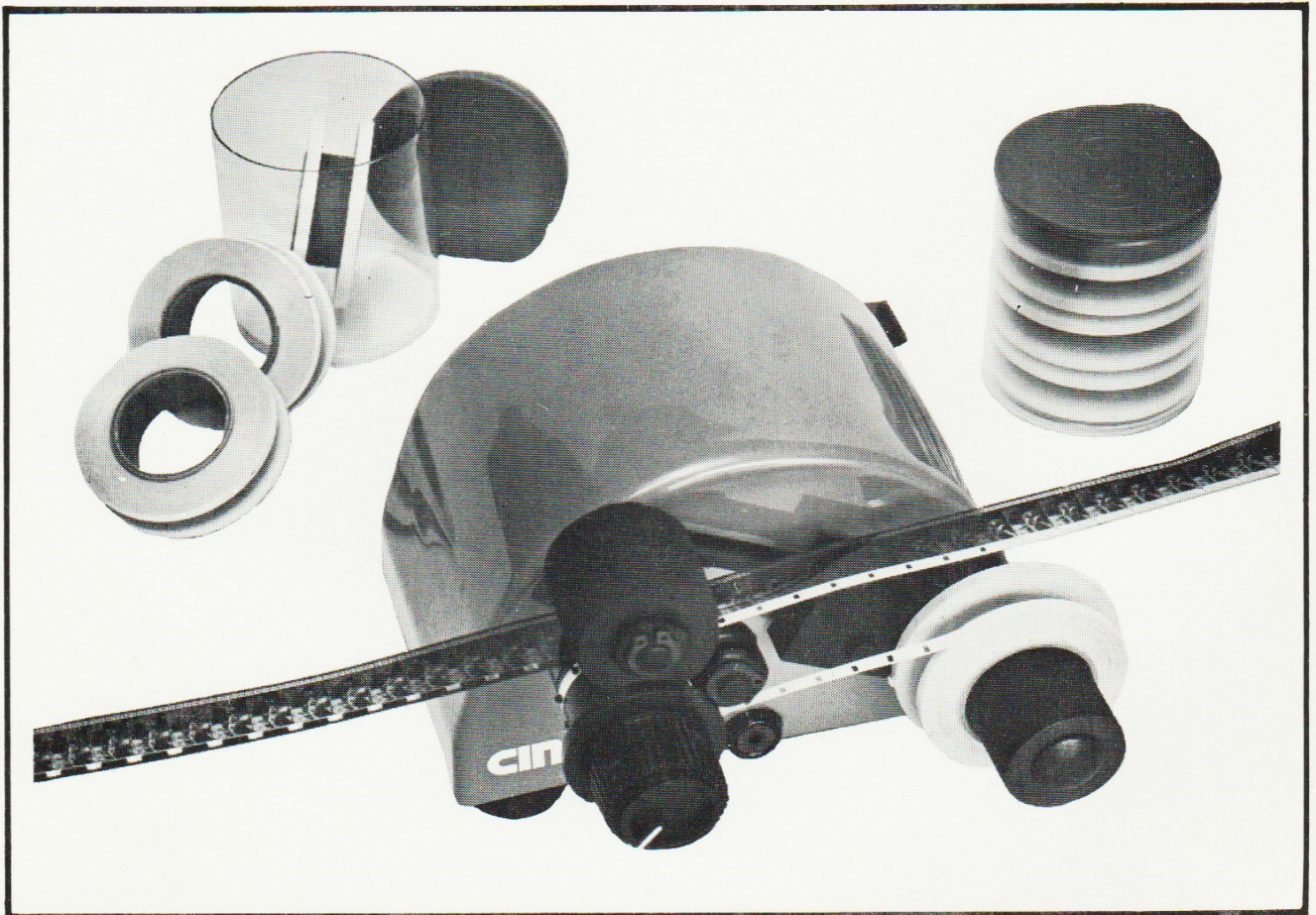
# Cinebug

## Perforation

## Repairer

- \* Small inexpensive Perforation Repairer
- \* Models for 35mm or 16mm
- \* Ideal for editors, small cinemas and smaller users
- \* Uses pre-perforated adhesive tape

This latest device has been designed for the smaller user who needs to repair perforation damage, but does not want the sophistication of the larger Cinecare range of repairers (see leaflet 138). It uses identical tape to the larger repairers, but does not incorporate a tape cutter and is of more simple design. Models are available for either 35mm or 16mm film. Both models can be used of course for repairing film strips. The Cinebug is the complete answer to an inexpensive repair machine.





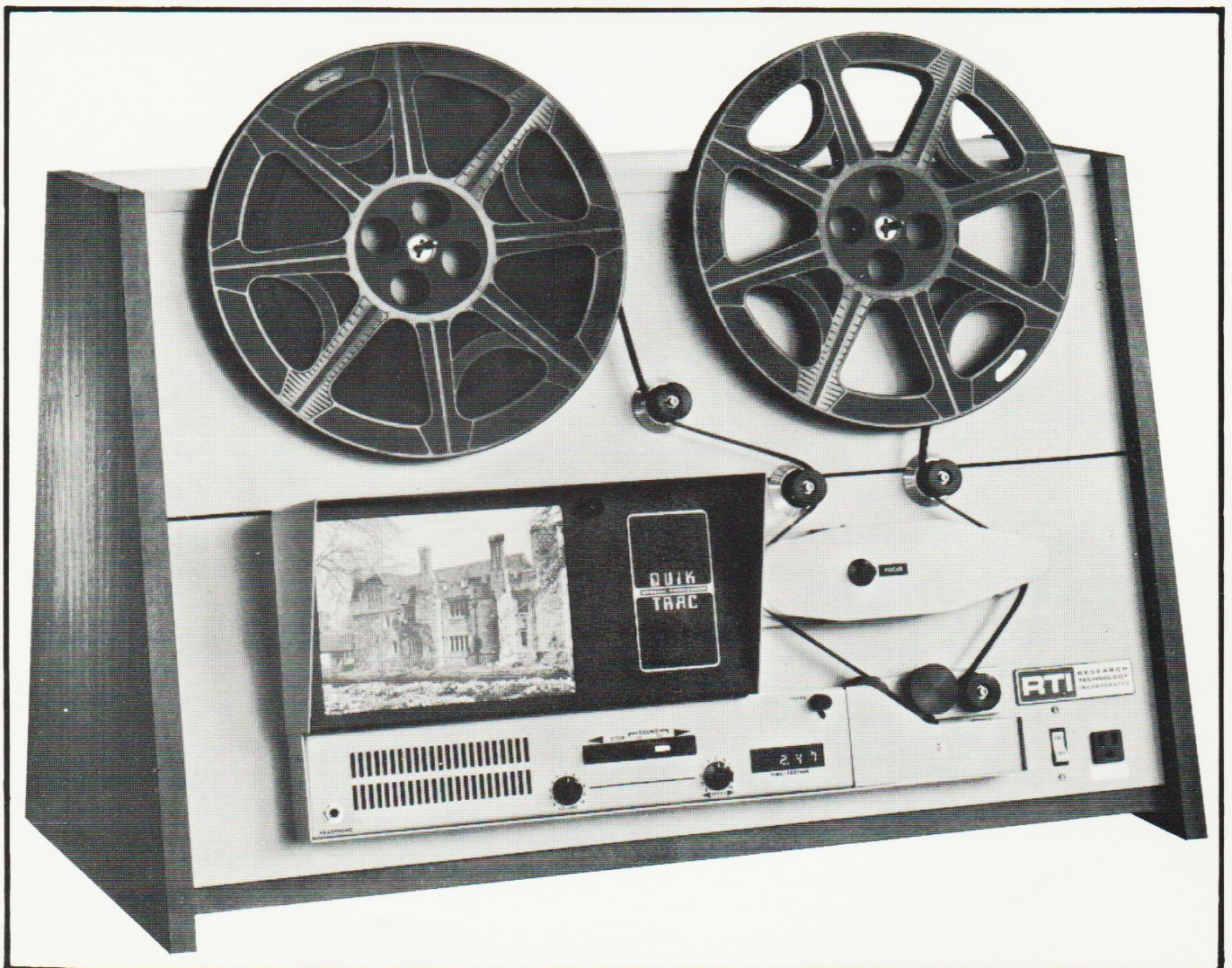


# Cinescan 16mm Previewer

- \* Up to 350 feet per minute
- \* Large High Quality Picture
- \* Forward & Reverse
- \* Locked in Sound Speed
- \* Servo Controlled Film Transport
- \* Compact only 35" x 23" x 18"

This latest new 16mm Film Previewer gives quality viewing and sound reading at a fraction of the cost of equivalent machines on the market. It has a 16 sided crown glass prism giving 1 48 square inch picture. It is push button operated. Checking of films is easy and quick. It takes spools up to 2200'. It uses a Quartz Hologen light source.

**QUIC TRAC** This speech processor is an optional extra which allows you to run at twice sound speed but hear normally pitched sound. It is a quite revolutionary system designed to cut down by half the previewing of films.







# Tape Care Products

## The Proformance Series

### by Nortronics

- \* Head Demagnetisers
- \* Head Cleaning
- \* Alignment Tapes — Cassette — Cartridge — Reel to Reel
- \* Bulk Erasers
- \* Tape Splicing Blocks and Tapes

The New Proformance Series of Tape Care Products has been specially designed by Nortronics to meet the Professionals demand for Professional tape care products. Manufactured to the highest standards, attractively packaged and reasonably priced, these products are the finest on the world market.

The range includes not only those items listed above, but a Professional Head Lapping Kit, Cartridge and Tape Adjustment Gauges, Cartridge Cleaning Tapes for the VHS and Beta formats and a special Deluxe VTR Maintenance Kit. Also available is the Spray On/Wipe Off Magview Developer to enable instant identification of track position and track itself. Full details can be obtained with prices from ROBERT RIGBY LTD.





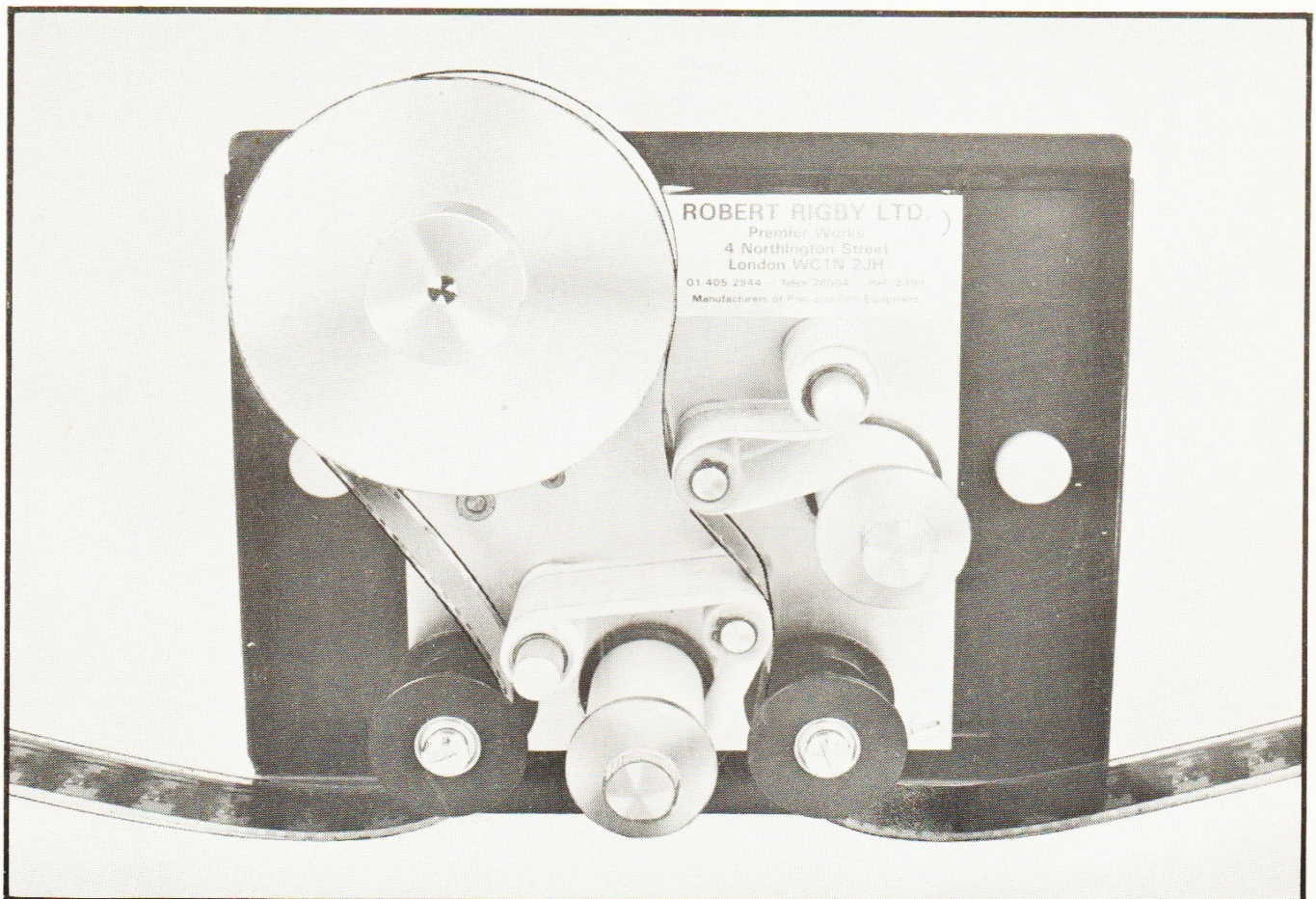


# Drikleen Film Cleaner

- \* Designed to keep film clean and improve its life
- \* Uses impregnated tapes
- \* Cleans both sides of film
- \* 16mm and 35mm
- \* Ideal for use between rewinders and on projectors
- \* Small, compact and inexpensive
- \* Self driving

This latest addition to Premier equipment has been designed to clean film using dry special impregnated disposable tapes. There is always a clean portion of tape at the film face. The cleaning tapes are automatically moved by the film passing over a special drive roller and then via a sophisticated gear box. The overall size of the unit is 8½" x 7¾". Designed to give years of service.

The approximate length of tape is 11 feet and will clean 41,000' of 16mm film and 48,000' of 35mm film before needing replacing. The ratio between the drive roller and tape roller is 800:1. The frictional drag is minimal and the drive roller has special rubber bands which touch the film on its edge only. It can be used with vertical or horizontal rewinders or on 35mm projectors. Special brackets or plates are provided for bench fixing.





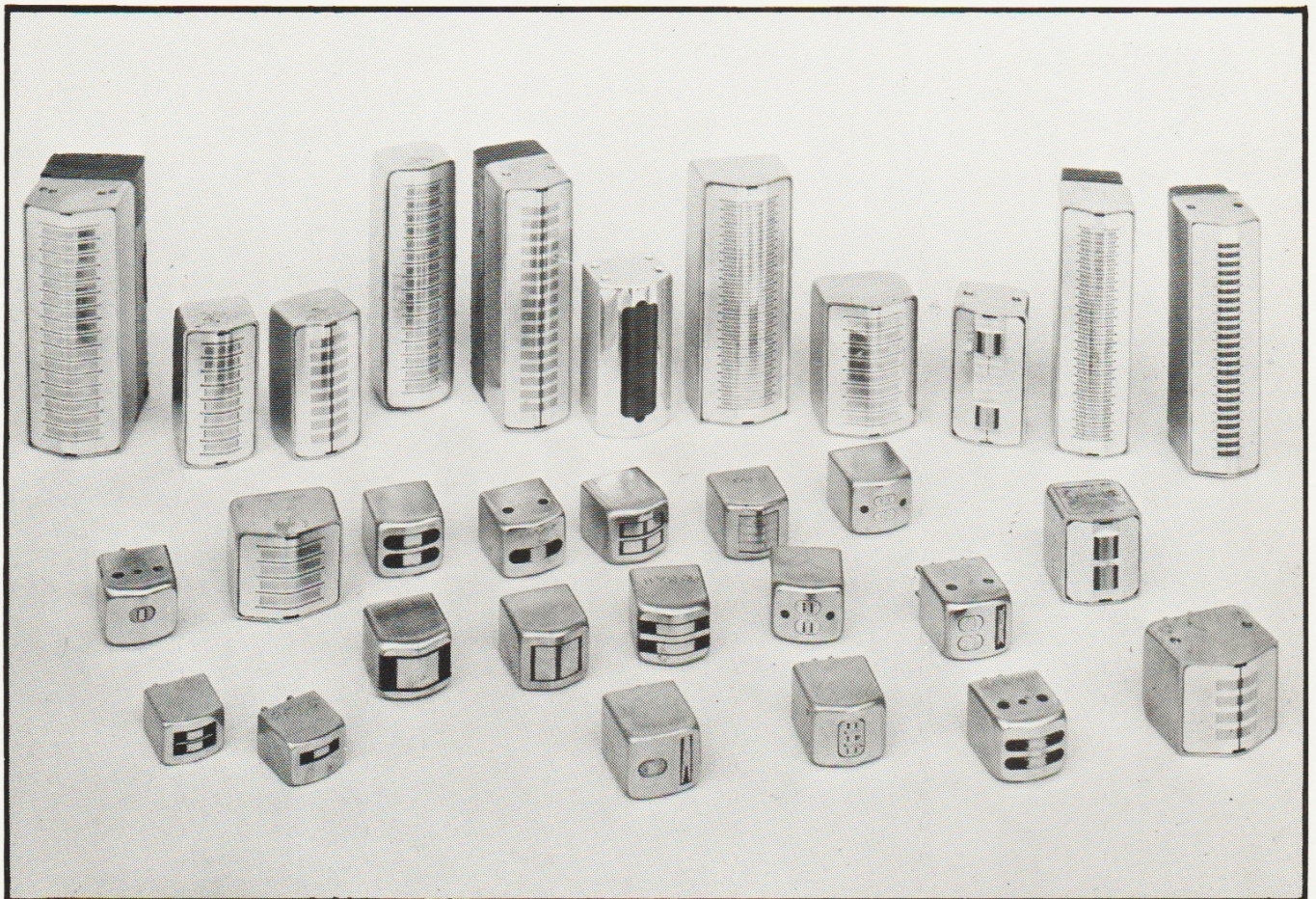


# Magnetic Heads by Nortronics

- \* Replay
- \* Erase
- \* Record
- \* Mono
- \* Multitrack
- \* Computer

The Nortronics range of Magnetic Heads is the latest addition to the PREMIER range of equipment. Manufactured to the highest standards and of superb quality, Nortronics Heads are used in the Computer industry and throughout the Sound industry.

Precision and quality is the keyword of their manufacture. Heads are available for an enormous range of recorders. Prices and details can be sent on request. Customers should write stating the type of head they require, and the make of equipment for which it is required.







# VCR Cleaning Cassettes

## by Nortronics

- \* Drop in Cleaning Cassette
- \* VHS and BETA
- \* Uses non abrasive, anti static, lint free cleaning tape
- \* Special liquid cleaner solution for WET system cleaning

This latest addition to the range of Tape Care Products is unique. It features a Drop in Cassette with a special non abrasive, anti static, lint free synthetic and natural fibre tape. Each cassette is supplied with a can of spray of high evaporative cleaning solution which leaves no residue. It cleans the entire tape path, removing impacted oxide and dirt.

Each cassette contains enough tape for 40 cleanings and each use brings a fresh new surface in contact with the tape heads. The whole process takes less than a minute. This new system being wet, ensures you get the maximum performance from your V.C.R. Two types of cassettes are available, one for the VHS format and one for the BETA format.

