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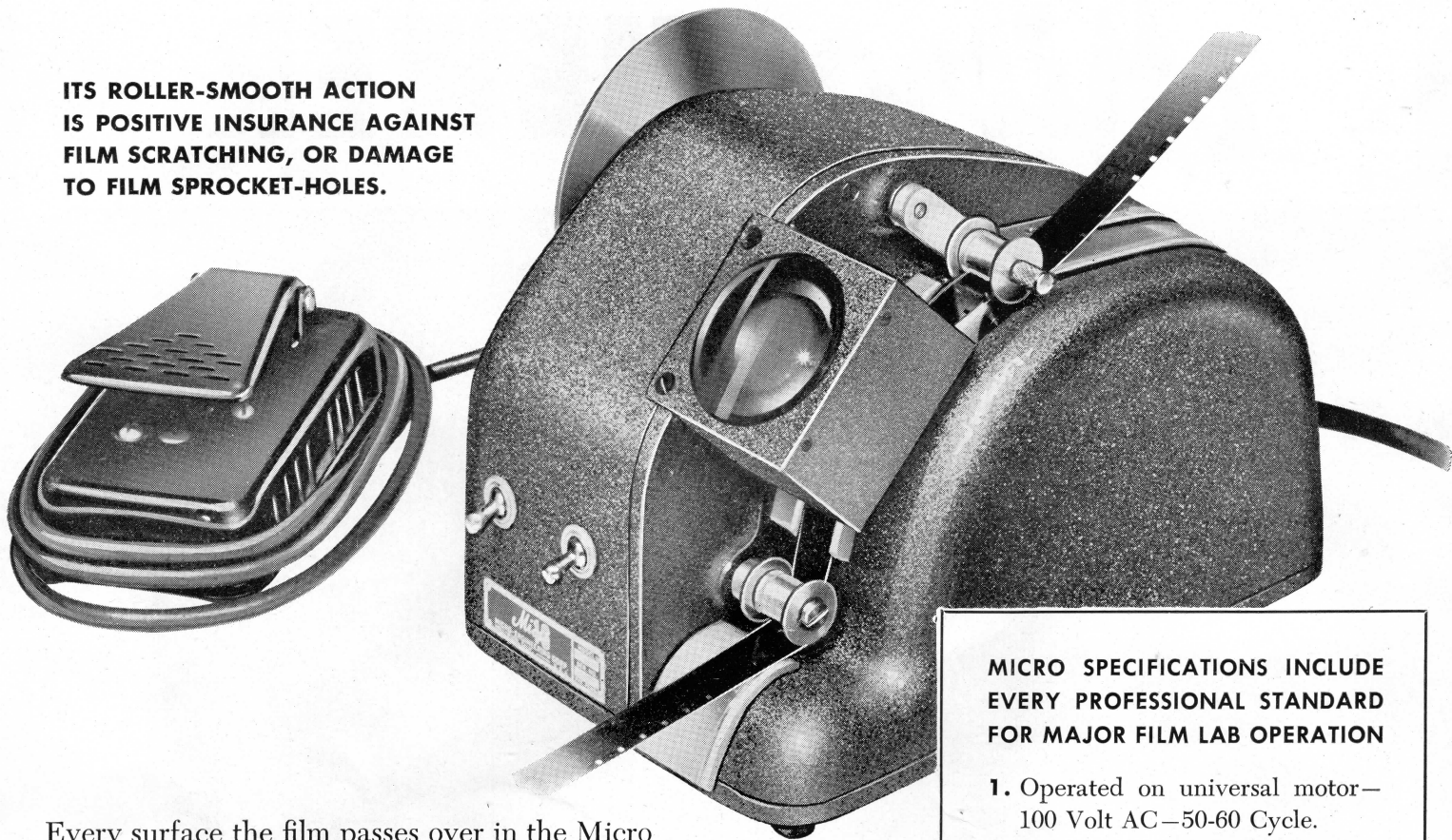
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MR. L. A. WILSON
WILSON RESEARCH ENGINEERING & EXPLORATION CO.
BULL VALLEY
BOX 14
VIEJO, UTAH

MICRO ENGINEERING CORP.
118 SOUTH BEVERLY DRIVE
BEVERLY HILLS, CALIFORNIA

Now YOU CAN RUN ORIGINAL AS WELL AS PRINTS WITH COMPLETE CONFIDENCE ON THE MICRO VIEWER!

ITS ROLLER-SMOOTH ACTION
IS POSITIVE INSURANCE AGAINST
FILM SCRATCHING, OR DAMAGE
TO FILM SPROCKET-HOLES.



Every surface the film passes over in the Micro Viewer is protected with a smooth-action roller that moves it along in continuous motion, thus doing away with the dangerous sprocket-hole-splitting "stop-action" type of viewer operation.

The Micro Viewer is, therefore, completely safe *for original as well as prints*. All rollers turn on high-quality Oilite bearings. The foot-rheostat, adjusted to variable speed, forward or reverse, keeps the operator in full control of the film movement all the time, and the hand-flange facilitates film adjustment and winding.

Every feature that insures easy, smooth, safe, efficient operation has been precision-built into the Micro Viewer.

MICRO SPECIFICATIONS INCLUDE EVERY PROFESSIONAL STANDARD FOR MAJOR FILM LAB OPERATION

1. Operated on universal motor—100 Volt AC—50-60 Cycle.
2. Foot-rheostat is adjusted for variable speed—forward or reverse.
3. High quality optical lens for easy visibility—adjustable focus.
4. Soft overall diffused lighting—of daylight brightness.
5. Hand-flange for film adjustment and winding.
6. Sturdily built of rugged aluminum alloy, mounted on rubber-cushioned feet.
7. Finished in black baked-wrinkle lacquer; highly polished chrome.

**MICRO EQUIPMENT IS THE KIND OF EQUIPMENT YOU'LL BE PROUD TO OWN!
CHOICE OF MAJOR HOLLYWOOD STUDIOS AND LEADING FILM LABORATORIES!**

MANUFACTURED BY

MICRO ENGINEERING CORPORATION • *Manufacturers of Professional 16MM and 35MM Equipment*

MICRO SYNCHRONIZER • MICRO SPLICER • MICRO VIEWER • MICRO READER • MICRO INSPECTOR • MICRO CLEANER • MICRO POLISHER

118 South Beverly Drive • Beverly Hills, California • BRadshaw 2-4540

Micro **VIEWER**



- 1. Foot-Rheostat variable-speed CONTROL!**
- 2. "CONTINUOUS MOTION" viewer operation!**
- 3. ROLLER-SMOOTH film flow!**

All the features which insure effortless operation and complete protection for original and print are accurately engineered into this advanced design 16MM precision viewer!

Micro

THE PROFESSIONALLY DESIGNED VIEWER FOR 16mm FILM!

THIS SIDE OF CARD IS FOR ADDRESS



MICRO ENGINEERING CORP.
118 SOUTH BEVERLY DRIVE
BEVERLY HILLS, CALIFORNIA

Please send future information concerning
Micro equipment to:

Name _____ Title: _____

Company _____

Address _____

City _____ Zone _____

State _____

MICRO ENGINEERING CORP.

designers and manufacturers of professional 16mm equipment

118 SOUTH BEVERLY DRIVE, BEVERLY HILLS, CALIF.

Phone BRadshaw 2-4540 • CRestview 5-6662

Dear Sir:

The enclosed material will be of interest to those people in your organization concerned with the use and purchase of 16 mm and 35 mm film laboratory equipment.

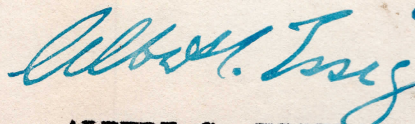
Will you be kind enough to place it in the proper hands, jot the name of the person on the attached postcard, and we will be glad to mail the material direct hereafter.

Micro equipment for 16 mm is the first professionally designed and precision-engineered equipment developed to meet the particular requirements of the 16 mm medium. It is the result of ten years of practical research and rigorous testing in Hollywood's major studios and film labs.

Micro equipment is now being used successfully in the big laboratories at Warner Brothers and MGM studios, Acme, Jerry Fairbanks, and many others, and is available for immediate delivery.

If there is any information you would like about this equipment which the enclosures do not supply, please write. I shall be happy to hear from you, and I hope the next time you are considering the purchase of film laboratory equipment, you will consider Micro.

Sincerely yours,



ALBERT C. ESSIG
V. P. & Gen'l. Mgr.

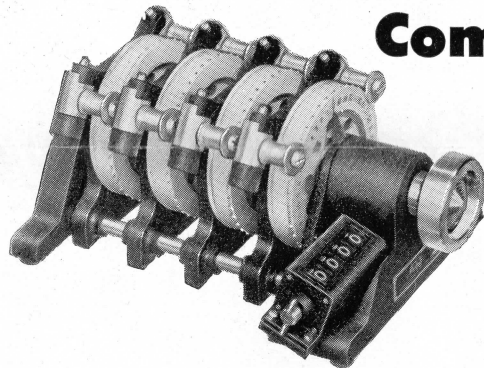
Enclosures
ACE:G

features insure accurate, fast, smooth and durable splices with maximum operating efficiency and minimum film loss. The only hot-splice splicer precisely engineered for 16MM. Has carboloy scraper blade (semi-automatic), oilite bearings, hardened and ground stainless steel blades.

Price: \$174

or film sprocket holes in this accurate and sturdily built Viewer. Universal motor operates on 110 Volt AC, 50 or 60 Cycle. Foot-throttle control is adjusted to variable speeds and hand-flange facilitates film adjustment and winding. Finished in black baked wrinkle lacquer and highly polished chrome.

Price: \$265



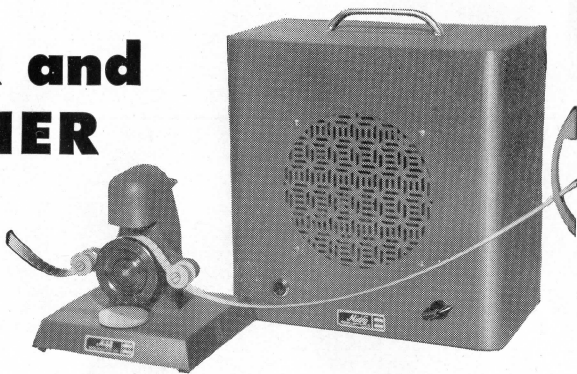
Comb. 16mm-35mm SYNCHRONIZER

COMPLETELY FLEXIBLE, precise machining of interchangeable parts permits accurate rearrangement and addition of 16MM and 35MM sprockets for every required gang combination. Advanced features include forty-tooth precision-hobbed sprocket which advances full linear foot of 16MM film every revolution; Veeder-Root Set-Back Counter, and "Pop-Up" Idler Rollers. All parts accurately jig-bored so that additional gangs or combinations can be added as required.

Price: 2 Gang 16MM—\$230

Prices for other gang sizes and combinations will be furnished on request.

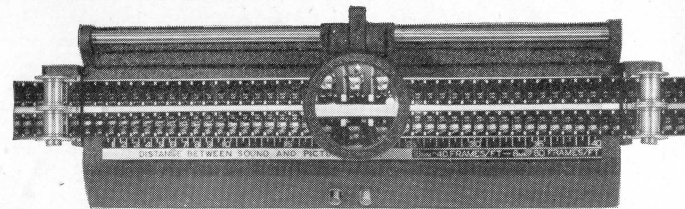
READER and AMPLIFIER



ADVANCED SOUND ENGINEERING PLUS PRECISION FILM FLOW insure "hum-free" amplification and complete film protection in Micro's precision-built 16MM Reader and Amplifier. Operates on 110-120 Volt AC, 50 or 60 Cycles. Features top-quality optical slit, standard photo-cell and exciter lamp units, volume control on head, tone control on amplifier, and photo-cell voltage control.

Price: \$266

Double or Single Channel INSPECTOR



FREE MOVING OPTICAL MAGNIFIER, and forty-frame scanning channel. Double channel exposes two full forty-frame strips of 16MM film from roller to roller. Film flows through inspector on rollers insuring complete film protection for valuable original in the conforming, color-matching, timing and inspecting operations. Cold fluorescent lighting reduces eye fatigue to a minimum. Write for full information on price.

Manufactured and Sold by

MICRO ENGINEERING CORPORATION

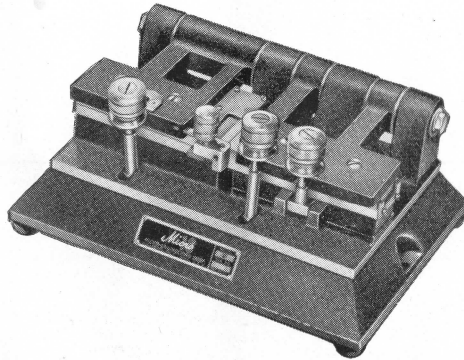
118 SOUTH BEVERLY DRIVE • BEVERLY HILLS, CALIFORNIA
Manufacturers of Professional 16MM and 35MM Equipment

WHAT'S NEW in 16mm PROFESSIONAL EQUIPMENT!

Ten years of professional research and testing in Hollywood studios and major film labs have produced the first really important line of 16MM equipment precisely engineered to meet the particular requirements of the 16MM producer and 16MM film technician. This equipment, manufactured by Micro Engineering Corporation of Beverly Hills, is built to accurate professional specifications, and

is now being successfully used in the laboratories of MGM, Warner Brothers, Acme, Jerry Fairbanks, Telefilm and other leading Hollywood 16MM producers and processors. Sturdily built, handsomely finished, the equipment is available for immediate delivery. Full information can be obtained by writing MICRO ENGINEERING CORPORATION, 118 SOUTH BEVERLY DRIVE, BEVERLY HILLS, CALIF.

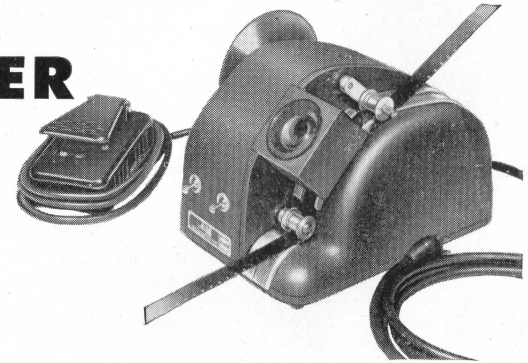
SPLICER



SINGLE PIN REGISTRATION, SELF CONTAINED HEATER UNIT and other advanced features insure accurate, fast, smooth and durable splices with maximum operating efficiency and minimum film loss. The only hot-splice splicer precisely engineered for 16MM. Has carboloy scraper blade (semi-automatic), oilite bearings, hardened and ground stainless steel blades.

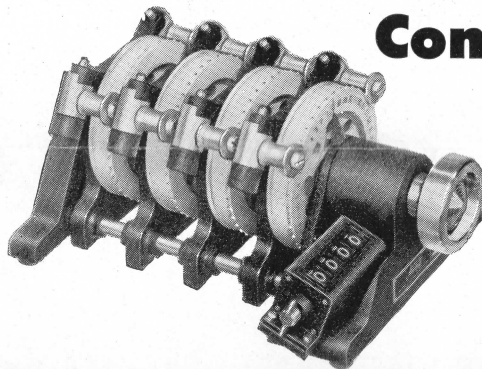
Price: \$174

VIEWER



CONTINUOUS FILM FLOW over rollers eliminates all danger of damaging film or film sprocket holes in this accurate and sturdily built Viewer. Universal motor operates on 110 Volt AC, 50 or 60 Cycle. Foot-throttle control is adjusted to variable speeds and hand-flange facilitates film adjustment and winding. Finished in black baked wrinkle lacquer and highly polished chrome.

Price: \$265



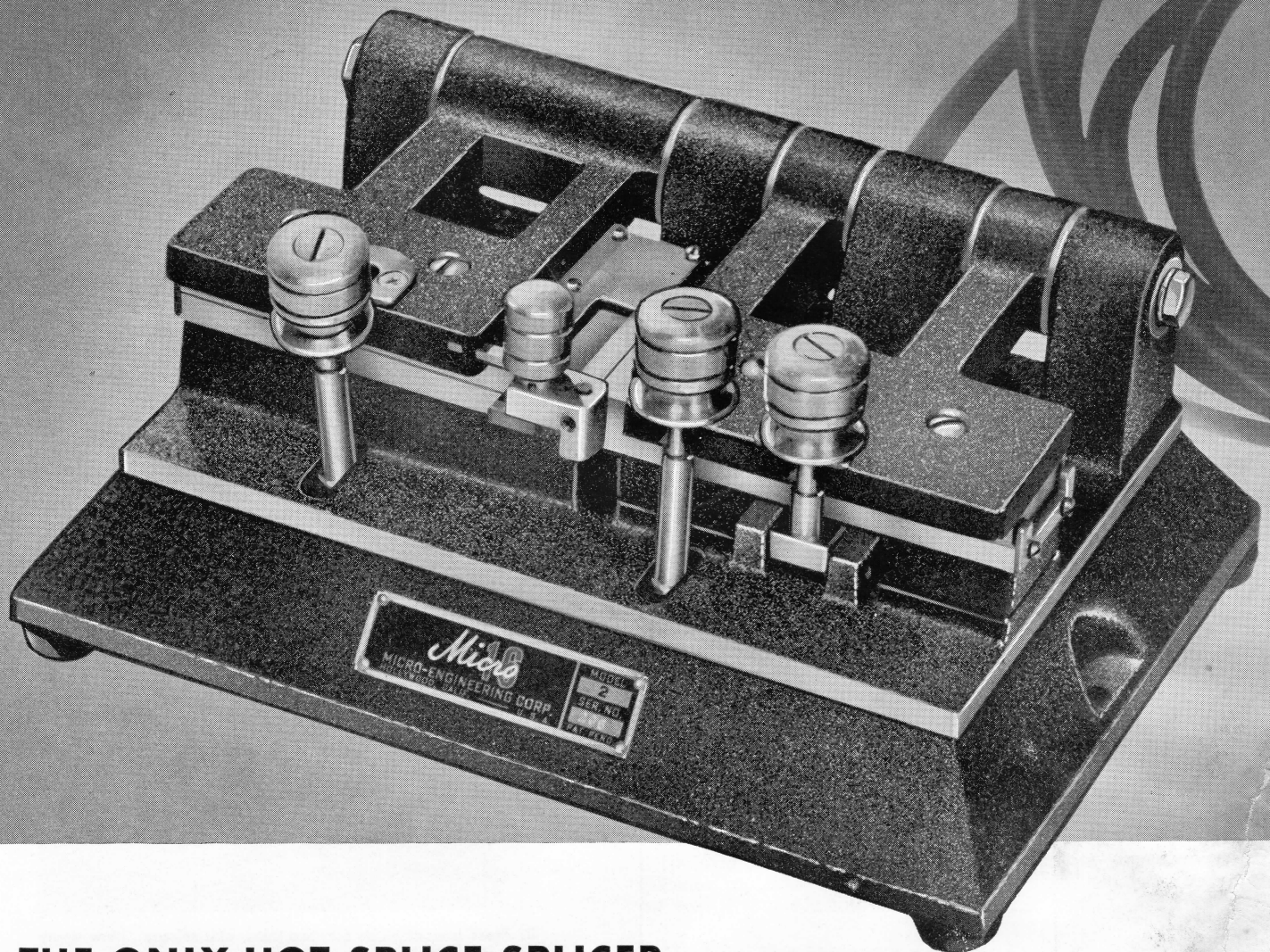
Comb. 16mm-35mm SYNCHRONIZER

COMPLETELY FLEXIBLE, precise machining of interchangeable parts permits accurate rearrangement and addition of 16MM and 35MM sprockets for every required gang combination. Advanced features include forty-tooth precision-hobbed sprocket which advances full linear foot of 16MM film every revolution; Veeder-Root Set-Back Counter, and "Pop-Up" Idler Rollers. All parts accurately jig-bored so that additional gangs or combinations can be added as required.

Price: 2 Gang 16MM—\$230

Prices for other gang sizes and combinations will be furnished on request.

Micro **SPLICER**



THE ONLY HOT-SPLICE SPLICER PRECISELY DESIGNED FOR 16mm FILM

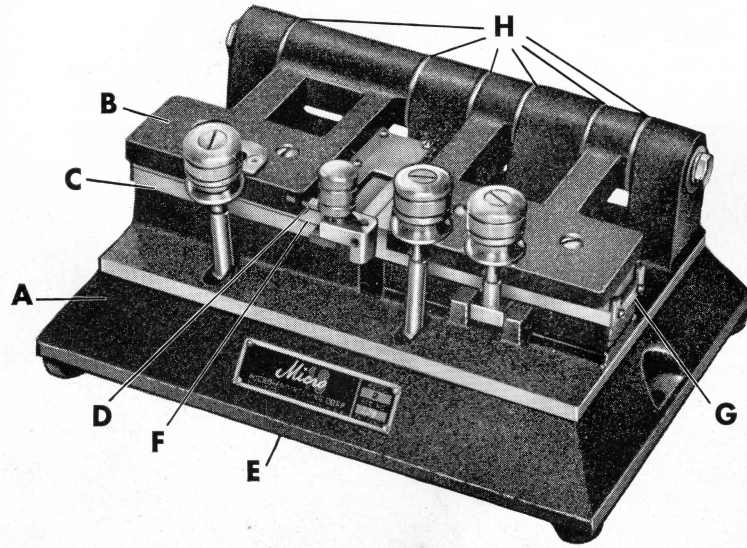
BUILT FOR constant use, ease of operation, and positive results, the Micro Splicer guarantees accurately registered and perfectly aligned hot splices—smooth and strong—with a minimum loss of film. Constructed of the finest materials, engineered to most exact tolerances, in conformity with ASA and SMPE standards.

**SINGLE-PIN REGISTRATION—
SELF-CONTAINED HEATER UNIT**
**Guarantees accurate,
smooth, strong splices
for every 16mm job**

THE MICRO SPLICER is designed and built to approved professional specifications

Length 8 in. — Width 6 in. — Height 4 in.

110-120 Volts — AC or DC — Higher Voltage Available



A. THE BASE — made of rugged aluminum alloy with platten supports milled and jig-bored for perfect accuracy.

B. THREE PLATTENS — which support the blades — also machined in aluminum alloy with jig-bored holes for bearings accurately aligned with the supports on the main casting.

C. FOUR LARGE BLADES — machined from special-formula steel, heat-treated to a hardness of '61 Rockwell,' ground and lapped to the finest tolerance, and hard chromed.

D. SCRAPER BLADE — semi-automatic, spring-operated. Carbo-loy, almost diamond-hard, ground to form on a diamond wheel, and finished by hand on a diamond lap, this blade will outlast thousands of steel blades, and is so impervious to film emulsion that adjustments are never necessary. One cut of the scraper blade removes a smooth surface .0015" deep and .070" wide.

E. SELF-CONTAINED HEATER UNIT — maintains a uniform heat of 110 degrees Fahrenheit continuously, with power consumption so negligible there is no need to disconnect — even at night.

F. ONE-PIN REGISTER — assures perfect and uniformly matching splices regardless of film shrinkage. The pin is machined from tool steel, hardened and ground to exact film-perforation size, and the top of the pin is rounded to make mounting and removal of film quick, easy and safe.

G. END GUIDES — machined of stainless steel cut to size, with rounded corners to facilitate insertion of film, so exactly signed that either shrunk or unshrunk stock will line up accurately.

OILITE BEARINGS — in the platten arms are self-lubricating and require no additional lubrication. They insure long life for all bearing surfaces.

THIS EQUIPMENT YOU'LL BE PROUD TO OWN

Finished in handsome baked-wrinkle lacquer with brightly polished stainless steel parts, the Micro Splicer is mounted on rubber feet, and hold-down holes are provided at each end of the casting for permanent mounting.

For further information write

MICRO ENGINEERING CORPORATION

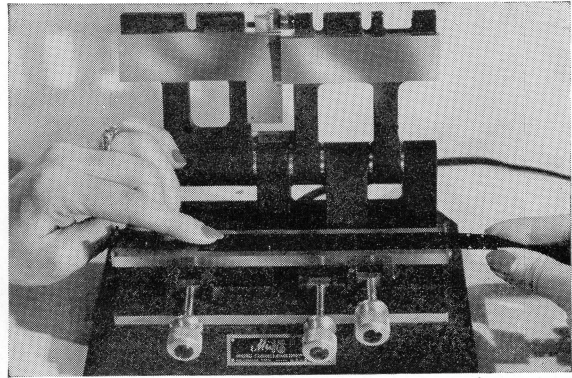
Manufacturers of Professional 16MM and 35MM Equipment

- THE MICRO
- CHRONIZER
- THE MICRO VIEWER
- THE MICRO READER
- THE MICRO
- ER
- THE MICRO POLISHER
- THE MICRO CLEANER
-
- THE MICRO INSPECTOR

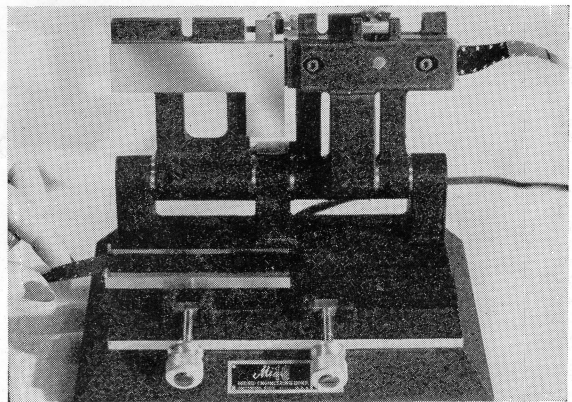
18 So. Beverly Drive, Beverly Hills, Calif., BRadshaw 2-4540

FOUR QUICK, EASY STEPS ASSURE A SMOOTH, ACCURATE PERMANENT SPLICE—EVERY TIME!

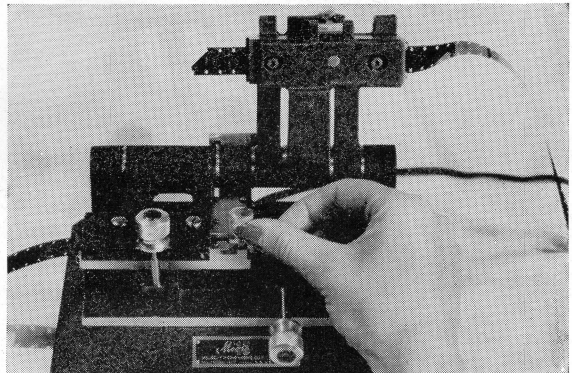
End guides line up the sections of film; a single pin registers both sections in position; the self-contained heater-unit then evaporates cement and assures a smooth, strong, fast splice with the loss of only one frame from each section.



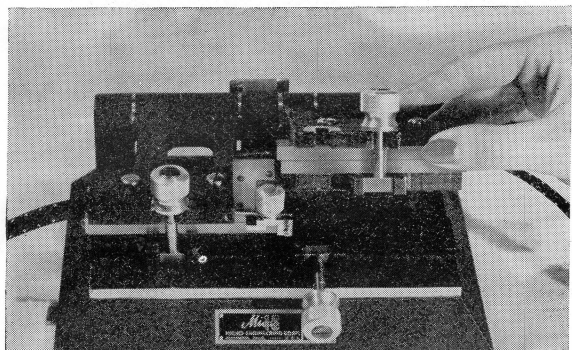
1. Plug cord into a 110-120 volt receptacle. Then place one section of film (emulsion up) on lower platten over register pin. Close top right platten and lock; then raise right platten to stop.



2. Place second section of film (emulsion up) on lower left platten over register pin, and close and lock top left platten.



3. Press scraper blade forward once, and release. Then apply cement sparingly.

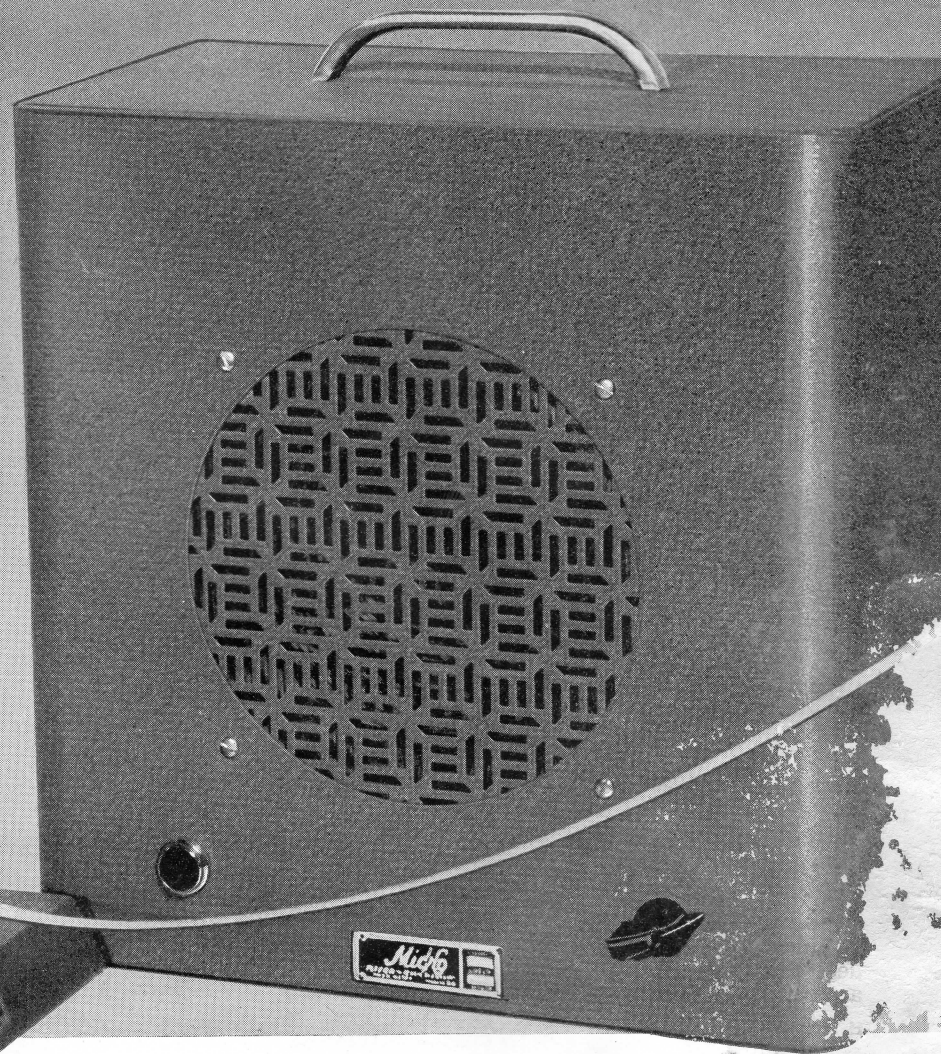


4. Lower the right plattens, which cuts both sections of film, and wait ten seconds. Then unlock clamps, and remove spliced film.

Micro **READER** **and MATCHED AMPLIFIER**

**HUM-FREE
SOUND REPRODUCTION!**

**ROLLER-SMOOTH
SOUND TRACK FLOW!**



All the most important functional features are expertly engineered into the professionally-designed, sturdily-built and precision-safe, 16mm Micro Reader and Amplifier.

The advanced design features of the 16mm **MICRO READER** assure consistently dependable Laboratory Performance.

ADVANCED SOUND ENGINEERING *plus* PRECISION FILM-FLOW DESIGN INSURE "HUM-FREE" AMPLIFICATION and COMPLETE FILM PROTECTION in the MICRO READER



The photo cell and exciter lamp units are easily exposed by removal of the metal cap on reader head.

EVERYTHING ROLLS on the reader head. Every point of film contact is skillfully protected with an action-free roller, and the absence of sprockets eliminates all danger of marring or damaging film.

The Amplifier—RCA licensed—is equipped with a special oscillator which steps up the exciter-light frequency beyond audibility—wiping out the usual distracting and annoying amplifier “hum”.

These are two of the advance design features which make the Micro Reader the choice of leading film laboratories and major Hollywood studios.

THE MICRO READER AND AMPLIFIER for 16mm FILM IS EXPERTLY ENGINEERED TO EXACT PROFESSIONAL SPECIFICATIONS!

1. Operates on 110-120 Volt AC—50 or 60 cycle.
2. Smooth-action rollers protect film at all contact points.
3. Forward or backward speed is easily controlled by operator on rewind.
4. Reproduces any type of sound track.
5. Top quality optical slit.
6. Volume control on head; tone control on amplifier. Tone control precisely adjustable.
7. Standard photo-cell and exciter-lamp units—easily replaced if required.
8. Photo-cell voltage control for low-line voltage.
9. Oscillator in Amplifier eliminates “hum”.
10. Sturdily machined of rugged aluminum alloy and finished in gray-wrinkle lacquer, with operating parts of polished Dural and aluminized black brass.

Manufactured by

MICRO ENGINEERING CORPORATION

Manufacturers of Professional 16MM and 35MM Equipment

THE MICRO SYNCHRONIZER • THE MICRO SPLICER • THE MICRO READER
VIEWER • THE MICRO INSPECTOR • THE MICRO POLISHER • THE MICRO CLEANER

118 SOUTH BEVERLY DRIVE • BEVERLY HILLS, CALIFORNIA • BRadshaw 2-4540

Since
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1957
35MM sp

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The photo cell and exciter lamp units are easily exposed by removal of the metal cap on reader head.

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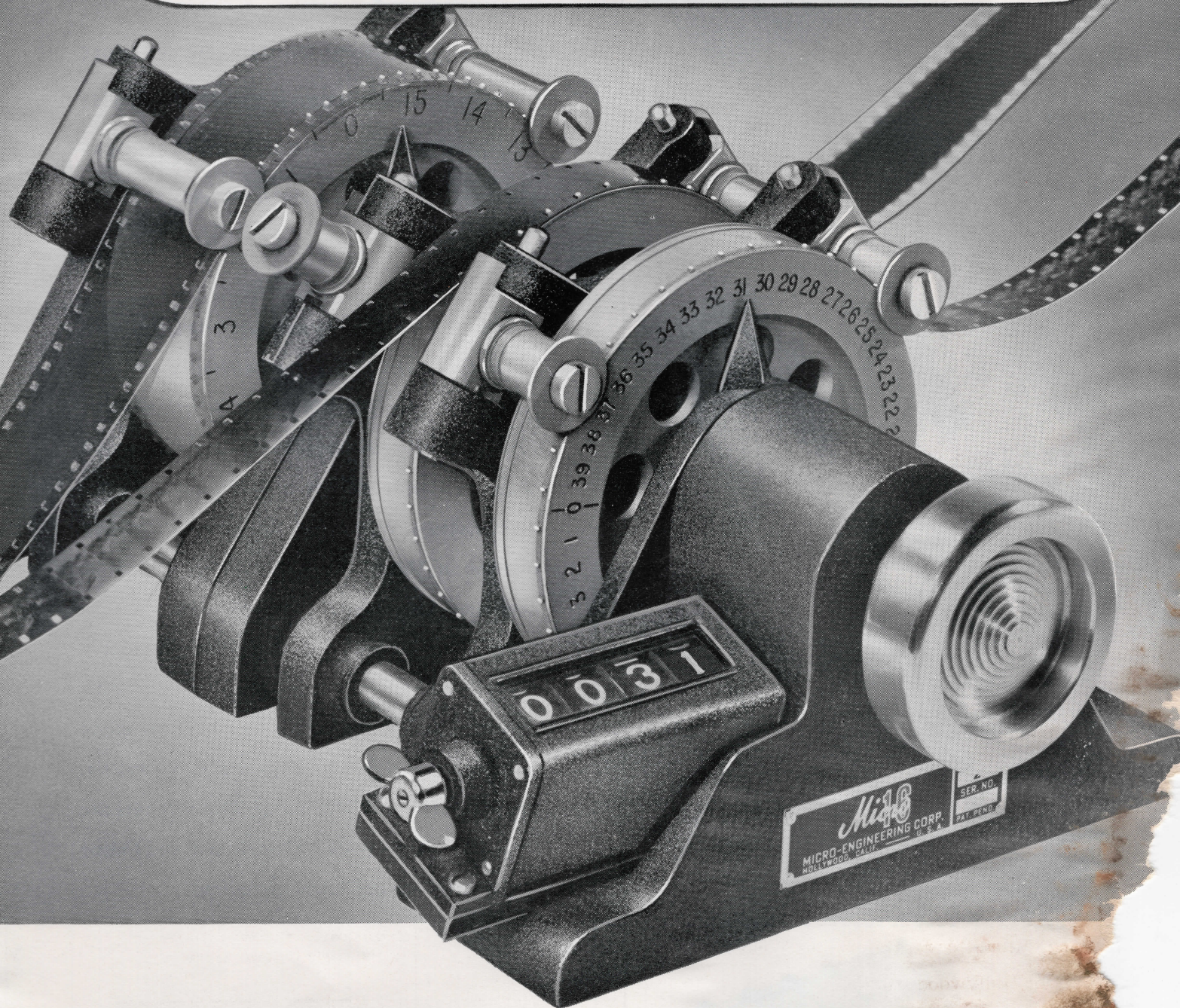
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35MM sp

Micro **SYNCHRONIZER**

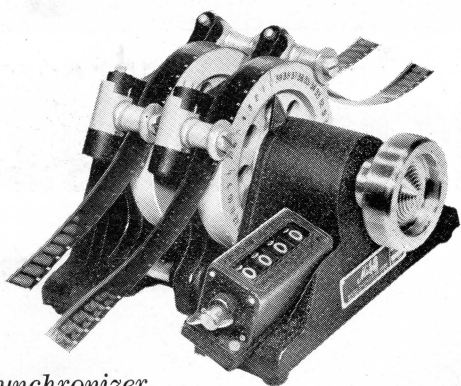


EXPERTLY ENGINEERED, PRECISION BUILT to meet every exacting PROFESSIONAL requirement of the 16mm and 35mm producer for ACCURACY, EFFICIENCY, DEPENDABILITY.

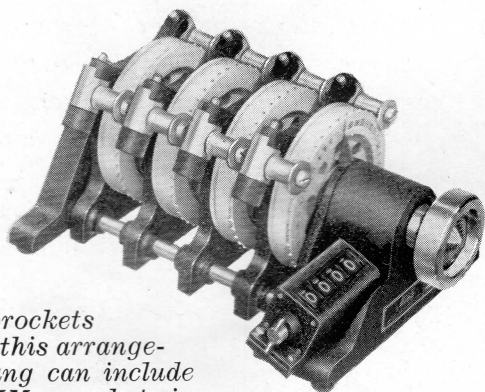
*The most advanced
16mm-35mm Combina
Synchronizer in the*

COMPLETELY *Flexible!*

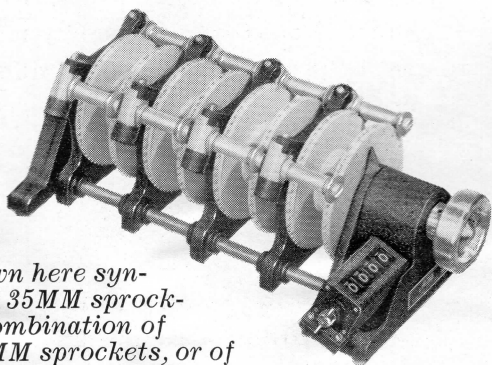
**PRECISE MACHINING OF INTERCHANGEABLE
PARTS PERMITS ACCURATE REARRANGEMENT
AND ADDITION OF 16MM AND 35MM SPROCKETS
FOR EVERY REQUIRED COMBINATION!**



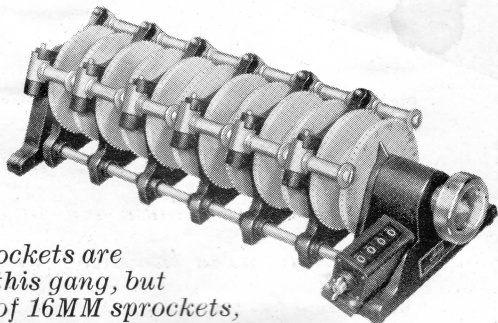
This two-gang synchronizer combines two 16MM sprockets. This machine can combine one 16MM and one 35MM sprocket—synchronized by means of a gear box— or two 35MM sprockets.



Four 16MM Sprockets are lined up in this arrangement. This gang can include 35MM and 16MM sprockets in any combination required.



The gang shown here synchronizes four 35MM sprockets, but any combination of 16MM and 35MM sprockets, or of 16MM sprockets alone, can be used.

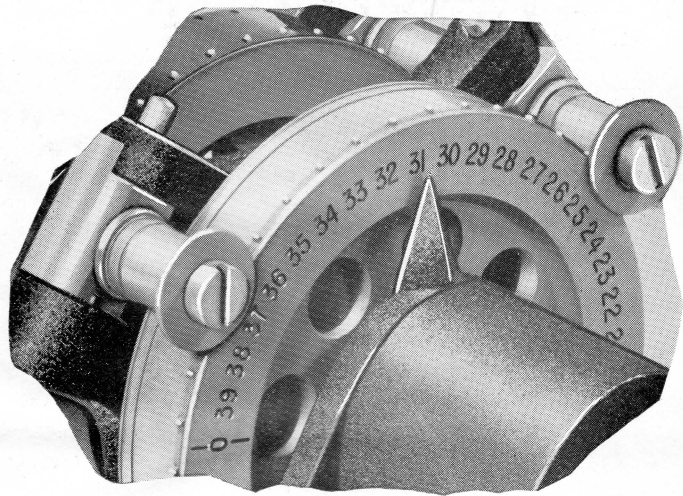


MM sprockets are used in this gang, but any combination of 16MM sprockets, or any combination of 16MM and 35MM sprockets, can be employed.

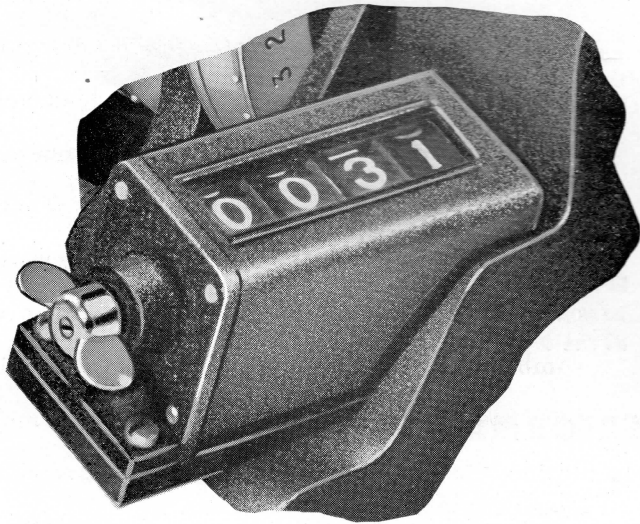
The Micro Synchronizer satisfies a long-felt need of the film producer for *professionally* designed equipment that permits accurate and efficient synchronization of 16MM and 35MM picture and track in a wide variety of gang and sprocket combinations. With the Micro Synchronizer any number of 16MM and 35MM sprockets can be combined in a single gang. Perfected to the finest detail, the end frames and roller assembly frames, cast in aluminum, are machined with precision jigs and fixtures to insure complete interchangeability and accurate operation. Units combining 16MM and 35MM sprockets are synchronized by means of a gear box, and Fafnir sealed bearings are used throughout.

All parts are jig-bored so that additional gangs or combinations can be added by purchasing additional parts as required.

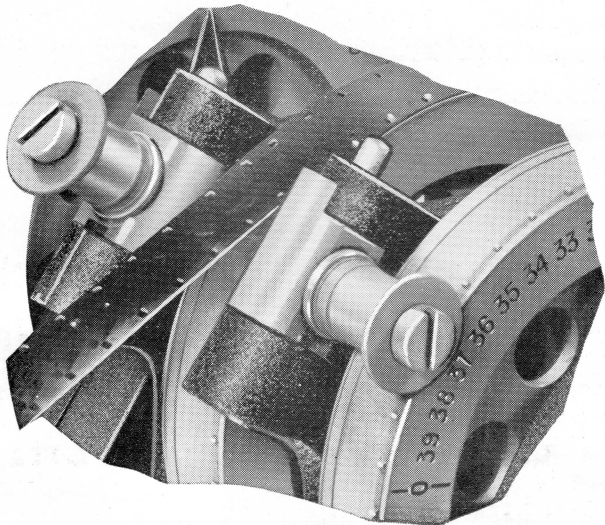
Feature No. 1



Feature No. 2



Feature No. 3



The most advanced Special Features are built into the *MICRO Synchronizer*

1

THE FORTY-TOOTH PRECISION-HOBBED SPROCKET, an exclusive feature of the Micro Synchronizer, advances a full linear foot of 16MM film every revolution and counts frames. These sprockets are accurately adjusted to the center shaft and so precisely tooled in tough aluminum alloy that every damage danger is completely eliminated. They adjust automatically to shrunk or unshrunk stock, and their attractive anodized finish minimizes eye-strain.

2

THE VEEDER-ROOT SET-BACK COUNTER insures accurate foot measurements with a minimum of effort. The counter is rigidly mounted directly on the frame, at an angle parallel to the film, to provide easy visibility.

3

THE "POP-UP" IDLER ROLLERS, another exclusive Micro feature, permits handling of individual film tracks without disturbing synchronization of the gang.

THIS IS EQUIPMENT YOU'LL BE PROUD TO OWN!

Handsomely finished in a combination of aluminum, black wrinkle and anodize, the Micro Synchronizer is mounted on four rubber-cushioned feet and can be used on any surface without slipping or marring.

**The MICRO SYNCHRONIZER is the choice
of Major Studios and Leading Hollywood Film Labs!**



ACCURATE — *At the great Acme Film Laboratory, Hollywood, Lou Vincent specializes in perfection with the Micro Synchronizer.*

EFFICIENT — *Thousands of feet of valuable negative pass over the sprockets of this Micro Synchronizer at the big Consolidated Film Laboratories, Hollywood.*

GUARANTEED PERFORMANCE

Years of careful research, based on practical experience in major 35MM and 16MM film studios, assure the basic rightness of all Micro equipment. Len H. Roos, in charge of engineering development for Micro-Engineering Corporation, a member of the American Society of Cinematographers, a Fellow of the Royal Photographic Society, has been a leading influence in the development of 16MM film as a professional medium and has devoted his time, energy and genius to perfecting its tools. All Micro equipment must measure up to the professional standards Mr. Roos has established during his twenty-five years of devoted effort.

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MICRO POLISHER • MICRO CLEANER • MICRO INSPECTOR

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