

THE NEW MODEL DR (Dual Index Range) LEE FACET HEAD

Unequaled at any price.

THE FINEST IN MATERIALS AND CONSTRUCTION

— Made of quality rustproofed steels, tough manganese bronze, brass, stainless steel, etc. No aluminum except small clip used as end stop for girdling.

Close fits and tolerances for accurate performance and long wear. Sturdy and well dimensioned without undue bulk, without any excessively small or fragile parts; actual size is about twice as high and wide as illustrated.

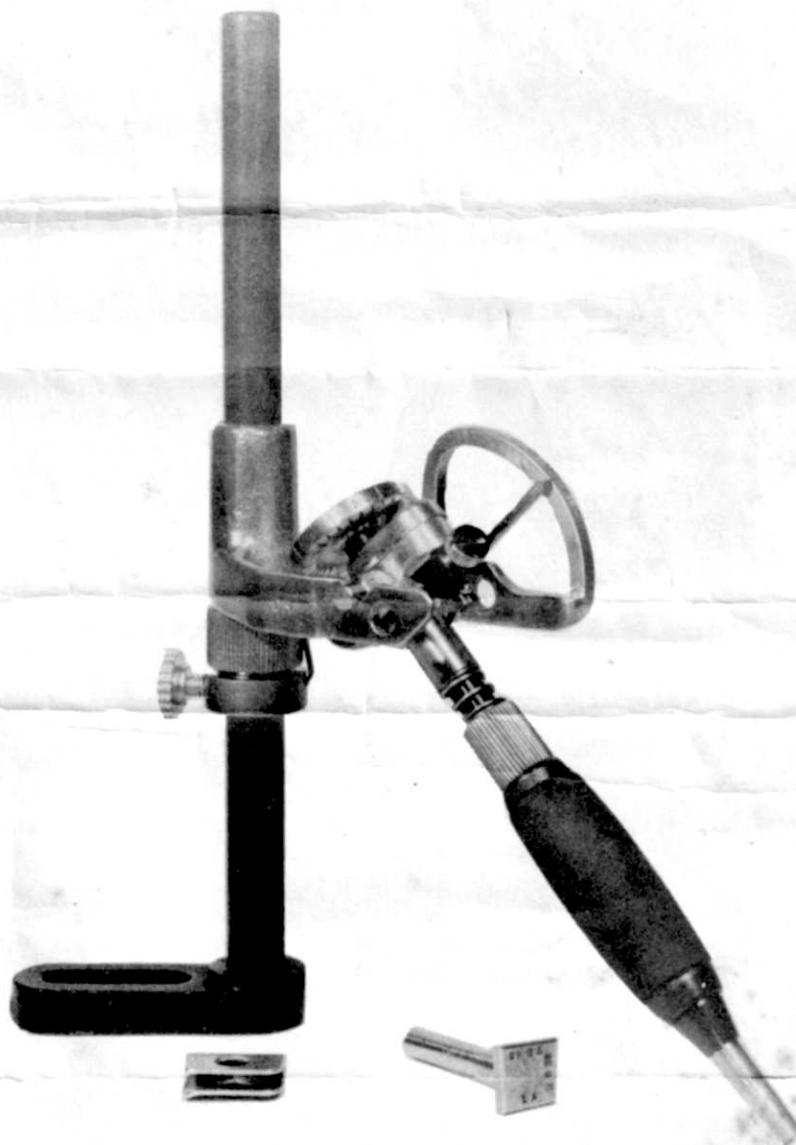
THE MOST PRACTICAL AND ADVANCED IN DESIGN AND EFFICIENCY

— Unequaled for beginners and advanced professionals alike. The DUAL INDEX FEATURE provides 64 index positions divided into a primary set of 32 index notches and a secondary set of 32 positions, available as required simply by shifting the index stop. The most popular cuts such as Standard Round Brilliant, Emerald Cut, etc. are simply made in the primary setting thus eliminating the confusion of a large number of positions when not in use. Index stop doubles as "cheater."

Other features include one-hand indexing without extra trigger simply by backward thrust and rotation of handpiece; free removal of head out of bracket for proper view of facets; angle setting retained without extra stops or locks; keyed dops maintain exact position in facet head during repetitive removal and replacement, permit systematic cutting in quantities; neoprene handgrip for light but firm control and surprisingly greater sensitivity. Secure and accurate chuck.

THE LEE FACET HEAD mounts in a simple manner requiring only a flat surface parallel to and about 2" or more below lap height. By fastening down with a 5/16" or 3/8" bolt through the slot in base of stand rod, position may be adjusted as required. It will adapt to various lap units including home made.

The facet head is designed to be held in the left hand, leaving the right hand free for varied duties such as applying abrasives, handling loupe or other instruments, taking notes, etc. This system provides the right-handed person with maximum overall adeptness since handpiece operation is comparatively simple repetition, and it is about as



easy to train one hand for it as the other.

The LEE FACET HEAD is famous through years of use by amateur and professional cutters and by endorsements of leading authors in the lapidary field. Each detail has been engineered with great care from standpoints of gem cutting efficiency as well as fine tool design.

Price of MODEL DR LEE FACET HEAD with Girdling Stop, 1 Dop, Dual Range Setting Gauge (used for resetting secondary Index-Stop position). Complete with 32/64 Index . . . **\$39.95** Shipping weight 4 lbs.

EXTRA INDEX PLATE, 48-96 \$4.50 Shipping wt. 1/4 lb.

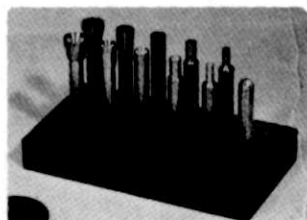
Instructions included

ADDITIONAL ACCESSORIES

ACCESSORIES for the LEE MODEL DR FACET HEAD

Manufactured by LEE LAPIDARIES, Cleveland, 2, Ohio

Order from dealer listed below



MODEL DR DOP SET

Ten accurately machined brass dops in matched pairs of solid and hollow ends 5/32" to 1/2" diameter. Keyway in shank assures exact positioning in Facet Head. Also in Model DR Keyed V-block. Suitable for practically all gem shapes, round dops self-center the gem and have the added advantage of allowing the gem itself to be rotated during dopping or transferring to the required position of facets or shape relative to the keyed position of dop. All dops have 5/16" diameter shanks.

Set includes an angle dop to hold gems too small to be held by hand while polishing the tables; also some soft dop wax which allows gem to shift in angle dop sufficiently to self-align table to lap.

Price complete with rack as illustrated, plus table dop wax \$9.00 Shipping weight 1½ lbs.



MODEL DR V-BLOCK

Aluminum, precision machined. Stainless steel thumb lever engages keyway in dop while gem is rotated to required position or as marked on opposite dop. Transferred gems will thus have top and bottom facets aligned with each other when dops are placed in the keyed chuck of facet head.

Dops not included; use with dop furnished with facet head, with dops from set listed above, or with Master V-dop listed below.

Price less dops \$5.40 Shipping weight ¾ lb.

UNIVERSAL V-BLOCK Same as Model DR but without key lever. Can be used with various makes of facet heads as well as with the LEE. Price \$3.75 Shipping weight ¾ lb.

MASTER V-DOP (Not illustrated). Accurately machined of brass with ½" square end with V-notch. 5/16" round shank. Designed primarily to clamp in DR V-BLOCK to radially position and center rectangular and other parallel-sided gem shapes. Also useful with UNIVERSAL V-BLOCK for centering only. Also may be used as a cutting dop for gems of appropriate shapes too large to be dopped in regular dop set. Shank is not keyed and dop may be rotated to align flat side of gem to lap before tightening in facet head.

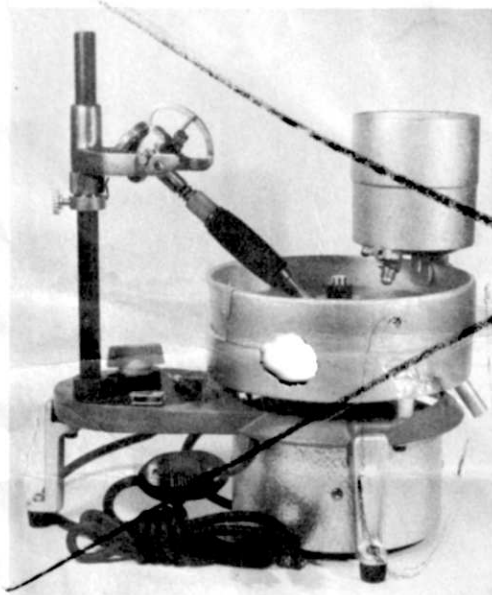
Price, each V-dop \$1.35 Shipping weight ¼ lb.

Dealer ➡

INSTRUCTIONS included with facet head explain use of various accessories.

LEE PRECISION BALL BEARING SIX-INCH LAP UNITS

Professional Quality at Amateur Prices

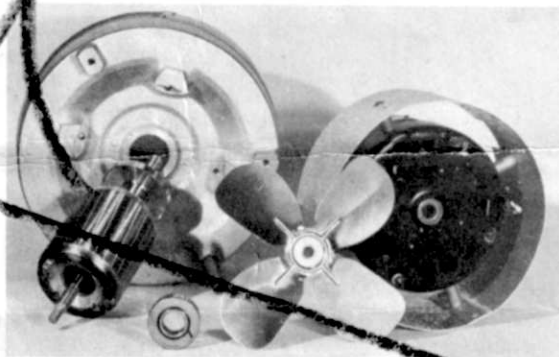


INTEGRAL MOTOR DIRECT DRIVE for extreme portability. For gem faceting, also light cabochon and other grinding, lapping, polishing, Smooth and quiet running. Believed the only direct drive and most compact motorized 6-inch gem lap, most powerful and sturdy for its size and weight.

Base with large wing screw for various makes facet heads mounts at proper level outside of pan. Rubber tipped legs anchor unit without fastening down.

Price less Facet Head, Water Dispenser, Lap Wheel.

Model MBL \$64.10
F.O.B. Shipping weight, 25 lbs. (See separate prices for omitted optional items.)



Integral construction illustrated. Cast aluminum Pan machined to fit motor and large sealed ball bearing. Lower bearing is felt packed porous type needing re-oiling only semi-annually. 6-inch fan cools unit through moderate all-day use.

1/8 H.P., 950 R.P.M. 110V A.C. with Heavy Duty Cord, Switch.

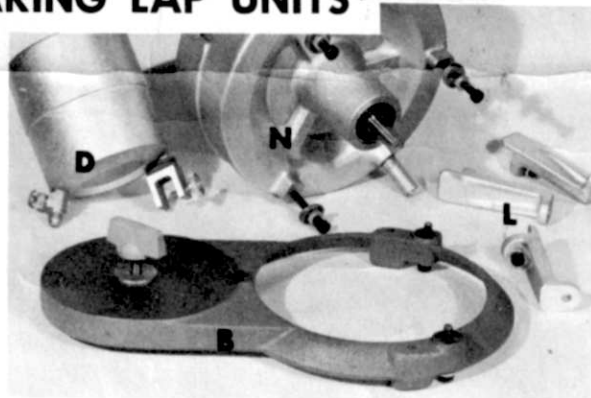
OUTBOARD DRIVE PRECISION BALL BEARING LAP UNITS



MODEL NB - For underneath vertical drive \$38.95
Shipping weight 10 lbs.



MODEL NBL - Legged Unit
Price less Facet Head, Water Dispenser, Lap Wheel \$43.75
Shipping weight . . . 10 lbs.

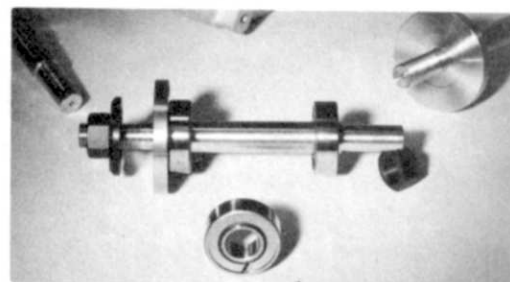


COMPONENTS used in various models of LEE LAP UNITS: N, complete in itself or as main component of all models except Integral Motor type; Pan and Hub are one piece Cast Aluminum; removable section gives access to periphery of wheels and permits extreme lowering of Facet Head. B, Cast Iron Base, accurately machined to mount Facet Head. L, Aluminum Legs machined to equal lengths. D, Cast Aluminum Water Dispenser with swivel clamp, positions anywhere, brass needle valve. Capacity - 18 liquid ounces.

Overall less Facet Head and Coolant Dispenser: 9 1/4" x 13 3/4" x 7" high. Pan I.D. 7 1/2"

LEE UNITS RUN SMOOTH AND TRUE, DO NOT WOBBLE. THIS IS VERY IMPORTANT AND NOT TRUE OF ALL MAKES. NO USELESS OR WORTHLESS ACCESSORIES ARE INCLUDED IN THE COST. GOOD QUALITY LAPS, ABRASIVES, etc., MAY BE PURCHASED ACCORDING TO REQUIREMENTS. YOU GET TOP QUALITY AT LOWEST PRICE.

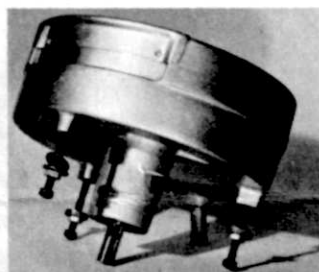
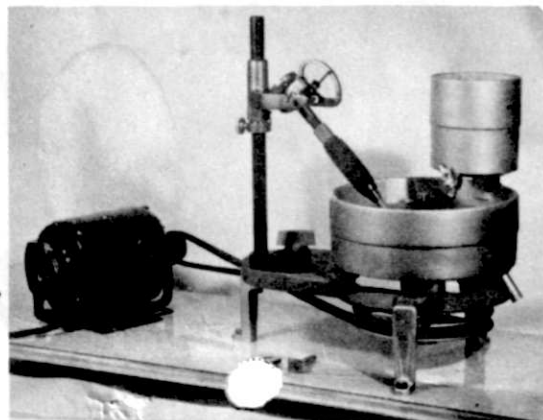
Exclusive one-piece **FLANGED ARBOR** in N units made of high strength manganese bronze. Related surfaces accurately machined in one set-up assure unusually true running laps. Large (15x35MM) double sealed, high quality ball bearings are well spaced for good capacity and smooth operation.





◀ **LEGGED MODEL** for surface drive with either vertical or horizontal motor, for uses other than facet cutting. Price less Lap Wheel and Water Dispenser. **Model NL . \$34.45** Shipping wt. 7 lbs.

Example of one method of mounting a unit with horizontal motor drive. 1/8 H.P. motor with 1½" pulley drives 6" lap pulley through 3/8" wide V-belt at suitable speed for faceting. A more powerful motor, ¼ H.P. or 1/3 H.P. is recommended if unit is to be used largely for cabochon work. ▶



LEGLESS, BASELESS MODEL for underneath drive with vertical motor. By mounting on a truly flat surface, a facet head or other fixture may be mounted on same surface for proper alignment. Long screws with nuts adapt to various base thicknesses.

Model N as illustrated **\$29.95**
Shipping weight 7 lbs.

V-PULLEYS and BELTS

For single speed set-ups as per uses outlined below. For varied requirements, drive accessories may be purchased at hardware or mill supply. Precision die-cast pulleys supplied with ½" hole only; suitable either for "A" or "O" belts. Belts are high quality leading brand.

V-BELT, ½" wide ("A" type), 32" long. Do not use crossed or with pulley smaller than 2" O.D. **No. 4L320 . \$1.20** Shipping wt. ¼ lb.

V-BELT, 3/8" wide, ("O" type) 45" long. More flexible and suitable for small pulleys or motors or for crossed drive as with horizontal motor.

No. 3L450 . \$1.40 Shipping weight ¼ lb.

SPEED AND APPLICATION	MOTOR PULLEY	LAP PULLEY	SHIPPING WEIGHT	PRICE EACH
435 R.P.M. Facet only	1½" O.D.	6" O.D.	¼ lb. 1¼ lb.	\$0.55 2.00
1750 R.P.M. Cab. only	2" or larger	2" or larger	¾ lb.	.60
1160 R.P.M. Cab. & Facet	2"	3"	¼ lb. ½ lb.	.60 1.00

(Approximate speeds are for 1750 R.P.M. motor.)

WATER or COOLANT DISPENSER. Optional with any Lap Unit (illustrated with various models but not included in price.)

Order from dealer listed below

Model D . \$5.85 Shipping wt. 1½ lbs.