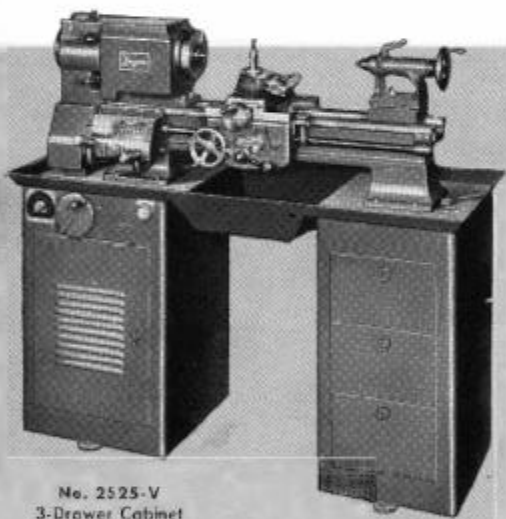


Logan 12" SWING LATHES



No. 2555-V
Screw Cutting Lathe
Pedestal Cabinet Base

- 1 1/16" COLLET CAPACITY
- 1 3/8" SPINDLE BORE
- 23" and 35" CENTERS
- VARIABLE SPEED DRIVE
- FLAME HARDENED BED
AT SMALL EXTRA COST



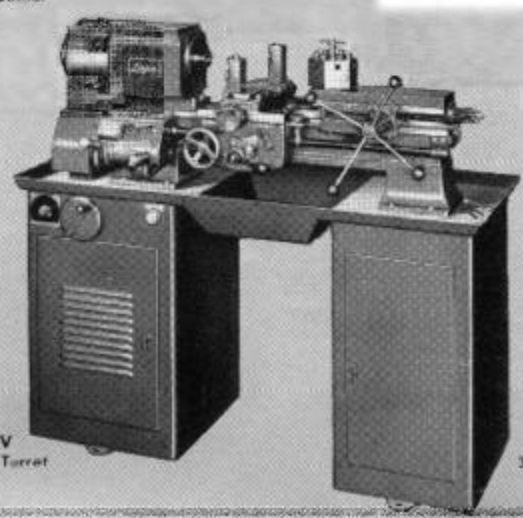
No. 2525-V
3-Drawer Cabinet
Screw Cutting Lathe.

Accuracy and smooth power are designed and built into these rugged, balanced lathes. Gears are extra wide and strong. Shafts are extra heavy. Lead screws have a full 1/8" diameter. The precision carriage rides on a two-V-way, two-flat-way bed that is rugged, precision-ground and warp-free. The heavy special alloy spindle turns on four oversize ball bearings, and needs no bearing adjustment for any speed within its wide rpm range. This advanced design plus precise, extra heavy construction and dynamic balancing of every completed lathe combine to assure sustained accuracy and smooth, quiet operation.

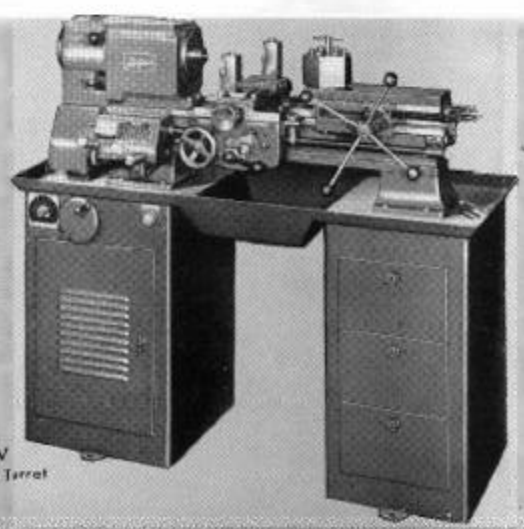
Compact all steel cabinet bases provide a clean-cut appearance and save floor space. Three compartments or three drawers inside each cabinet store and protect tools and work.

The Variable Speed Drive provides instant rpm adjustment on work requiring variation of spindle speed.

At only small extra cost, the bed is furnished flame hardened. The L-00 Spindle Nose also available at extra cost.



No. 2535-2-V
Pedestal Cabinet Turret
Lathe.



No. 2545-2-V
3-Drawer Cabinet Turret
Lathe.

CAPACITY OF LATHE

Swing over bed 12"
 Swing over saddle cross slide, screw cutting lathes 7 1/4"
 Swing over saddle cross slide, turret lathes 6 1/8"
 Center Distance 23" and 35"

THREADS AND FEEDS

Quick Change Gear Box and Automatic Apron
 Worm Drive from lead screw spline for Power feeds
 Longitudinal feed .0018" to .1000" per spindle revolution
 Cross feed .25 times longitudinal feed
 Half nut drive from lead screw thread for thread cutting
 Threads 48 selections RH or LH - 4 to 224 per inch
 Lead screw diameter and threads per inch - 1/8"-8

HEADSTOCK AND SPINDLE

Spindle Bearings: (4) Sealed, Precision Ball Bearings
 Heat-treated and ground steel spindle
 Hole through Spindle: 1 3/8"
 Draw-in Collet Capacity, 1 1/16"
 Spindle Nose diameter and threads per inch: 2 1/4"-8
 Drive Plate Diameter: 6"
 Spindle Nose Adapter to #2 Morse
 Variable speed drive—Spindle speeds: Direct drive—
 350 to 2000 R.P.M.; with back gears engaged—
 55 to 300 R.P.M.

CROSS SLIDE AND COMPOUND REST, SCREW CUTTING LATHE

Cross Slide Travel: 6 1/4"
 Compound Rest Travel: 2 1/4"
 Compound Rest graduated 90° in both directions
 Tool Post Opening for Tool Holder: 3/8" x 3/4"

CROSS SLIDE, TURRET LATHE

Cross slide travel: 6 5/8"
 Cross slide graduated in thousandths
 Cross feed screw mounted on self lubricating bronze bearings
 Adjustable double tool post with adjustable wedges
 Tool post openings: 1/16" x 1 1/8"

BED

Width of bed across ways: 6 3/16"
 Length of bed 43 1/8" and 55 1/8"
 Precision ground ways, 2 prismatic "V" ways and 2 flat ways

TAILSTOCK

Spindle Travel 4"
 Spindle Graduations 1/16"
 Morse Taper Center #2
 Tailstock set-over for Taper turning 1 1/16"

PILOT WHEEL TURRET

Distance across flats: 5 1/4"
 Six position, self indexing with adjustable stops
 Turret holes, diameter 5/8" regular - 3/4" on special order
 Turret holes bored from headstock of lathe
 Maximum stroke of turret - 7/4"

UNDERNEATH DRIVE

Ball Bearing Variable Speed

MOTOR AND SWITCH

Use 1 HP, 3-Phase motor 1725 rpm
 Drum type reversing switch furnished

EQUIPMENT INCLUDED WITH SCREW CUTTING LATHE

- 1 - Drive Plate { 6" for 2 1/4" - 8 spindle }
 { 7" for 1.00 spindle }
- 2 60° Centers
- 1 Threading Dial
- 1 Threading Chart
- 1 #2 Morse Taper Adapter Sleeve
- 1 Tool Post and Wrench
- 1 Tailstock Wrench
- 1 Automatic Safety Gear
- 1 Drum Reversing Switch
- 1 Motor Pulley
- Necessary Belts
- Parts List and Instruction Book

DIMENSIONS

Centers	Bed Length	Overall Length	Width	Height
23"	43"	59"	22"	49"
35"	55"	70 1/2"	22"	49"

SCREW CUTTING LATHES

Lathe No	Description	Ship Wt (lbs)
2525-V	Quick Change, 3-Drawer Cabinet Model, 23" Centers, Variable Speed Drive	1040
2527-V	Quick Change, 3-Drawer Cabinet Model, 35" Centers, Variable Speed Drive	1090
2555-V	Quick Change, Pedestal Cabinet Model, 23" Centers, Variable Speed Drive	1015
2557-V	Quick Change, Pedestal Cabinet Model, 35" Centers, Variable Speed Drive	1075

TURRET LATHES

2535-2-V	Quick Change, Pedestal Cabinet Model, 43" Bed, Pilot Wheel Turret, Variable Speed Drive	1180
2537-2-V	Quick Change, Pedestal Cabinet Model, 55" Bed, Pilot Wheel Turret, Variable Speed Drive	1240
2545-2-V	Quick Change, 3-Drawer Cabinet Model, 43" Bed, Pilot Wheel Turret, Variable Speed Drive	1200
2547-2-V	Quick Change, 3-Drawer Cabinet Model, 55" Bed, Pilot Wheel Turret, Variable Speed Drive	1250

IMPORTANT

To obtain maximum performance from the Logan 12" Lathe either purchase No. 1120 1 HP, 3 phase motor with the lathe or send us your own motor for installation on a cost basis in the lathe so that we can dynamically balance the complete unit. If a lathe is ordered less motor, a \$25.00 charge will be made for installing a motor for final inspection of the lathe and the motor removal prior to shipment.

There will be a \$10 charge for installing a customer's motor provided it fits our motor mounting plate.