

*most advanced design in any*

# **12" Variable Speed Wood Lathe**

*on the market today!*



**DELTA**<sup>®</sup>  
ROCKWELL

**RUGGEDLY BUILT**

for years of low cost, accurate operation.

**EXTREMELY VERSATILE**

has dozens of money saving applications in your shop.

**SAFETY ENGINEERED THROUGHOUT**

provides complete safety and protection for even the most inexperienced operator.

**BIG CAPACITY**

takes work up to 12" diameter over the bed . . . 16½" over the gap . . . extra large work on outboard spindle.

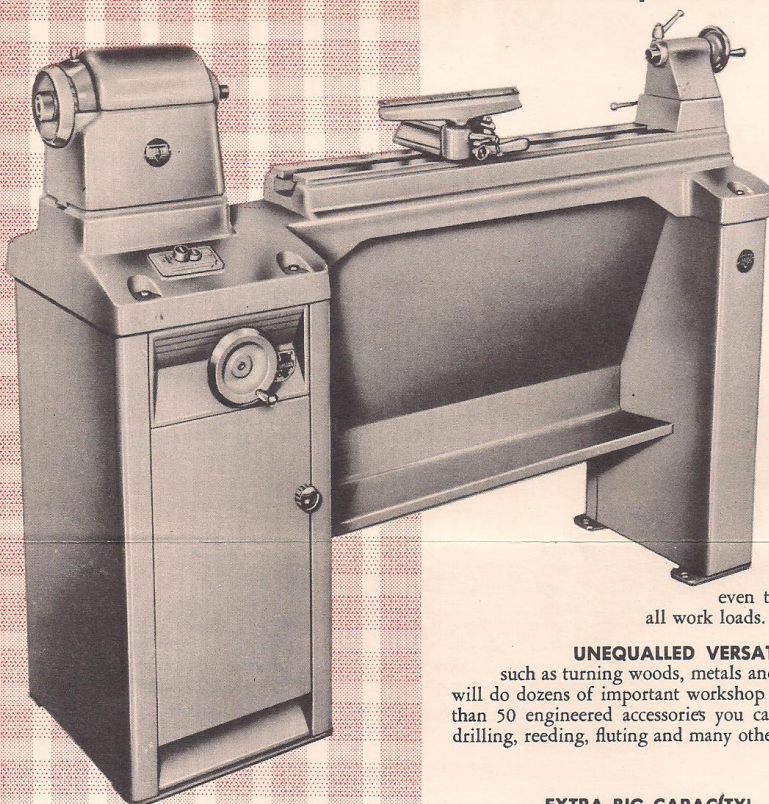
**SMOOTH, POWERFUL OPERATION**

center-type, variable speed drive provides uniform power at all speeds.



# new DELTA 12" wood lathe

...Engineered to save you time and money...easy and safe to operate...priced exceptionally low!



This massive lathe is designed for industry, commercial shops and schools—wherever there is a demand for continued accuracy and long life through years of safe, heavy duty operation. Its many features and low price make the Delta 12" Wood Lathe the best dollar-for-dollar lathe value on the market today!

**ENGINEERED FOR SAFETY . . .** Completely covered drive mechanism fully protects operator from moving parts. New push button switch, convenient hand wheels, plus an inclined, graduated speed indicator provide safe, efficient operation and reduce operator fatigue.

**POWERFUL VARIABLE SPEED DRIVE . . .** The perfected Delta variable speed drive offers an extremely low speed of 340 rpm for turning of metals or rough woods plus an *infinite choice* of speeds up to 3200 rpm, a safe speed for sanding and polishing. This drive, which also includes speeds of 900 to 1400 rpm for metal spinning, guarantees smooth, even transmission of power to the spindle under all work loads.

**UNEQUALLED VERSATILITY . . .** In addition to basic operations such as turning woods, metals and plastics and metal spinning, this new lathe will do dozens of important workshop jobs. With Delta's unmatched line of more than 50 engineered accessories you can do sanding, grinding, buffing, polishing, drilling, reeding, fluting and many other operations.

## specifications

Swing over bed . . . . . 12"  
Swing over bed gap . . . . . 16½" dia. for 3½" stock  
Distance between centers . . . . . 38"  
Length of bed (overall) . . . . . 59¼"  
Variable speed drive . . . . . 340 RPM to 3200 RPM  
Spindle diameter . . . . . 1¼"  
Spindle thread . . . . . 1"-8  
Overall length 63", width 22", height 46½"  
Spindle hole . . . . . ½"  
Head stock and tail stock tapers . . No. 2 M.T.  
Height—centerline of spindle to floor . 42¾"  
Approx. shipping weight . . . . . 494 lbs.

## EXTRA BIG CAPACITY!

You can turn stock up to 12" in diameter over the bed . . . up to 16½" diameter by 3½" thick over the large bed gap . . . extra large work on the outboard spindle. With Delta's off-set tool support you can do both front and back face plate turning on extra large stock over the gap. And when you use Delta's *new* tool rest, which features a *graduated*, hardened steel insert, you can make accurate measurements and divisions more easily than ever before.



another  product



## catalog listing

**BASIC MACHINE:** 12" Cabinet Model, Variable-Speed Wood Lathe, including No. 46-431 12" tool support with graduated hardened insert, No. 1461 tool support base, No. 46-430 off-set tool support base, No. 933 drive center, No. 934 cup center, No. 936 3" face plate, No. 937 6" face plate, No. 5300 motor pulley (specify bore— $\frac{1}{2}$ ",  $\frac{3}{8}$ ",  $\frac{3}{4}$ "), No. 49-195 V-belt (37" O.C.), No. 49-196 V-belt (42" O.C.) and wrenches. Without motor and switch. 494 lbs.

**CAT. NO. 46-400**

**Note:** Items bearing individual catalog numbers, as included in No. 46-400, can be ordered separately; see price list.

### MOTORS AND SWITCH FOR SINGLE PHASE OPERATION

Motor,  $\frac{1}{2}$  HP, capacitor start, 115/230V, 60 cy, AC, 1725 rpm. Includes on-and-off switch and 8' cord with plug. 37 lbs.

**CAT. NO. 62-610**

Motor,  $\frac{1}{2}$  HP, capacitor start, 115/230V, 60 cy, AC, 1725 rpm. Includes on-and-off switch and 8' cord with plug. 44 lbs.

**CAT. NO. 82-710**

Motor,  $\frac{3}{4}$  HP, capacitor start, 115/230V, 60 cy, AC, 1725 rpm. Includes on-and-off switch and 8' cord with plug. 57 lbs.

**CAT. NO. 82-910**

Push Button Manual Control Switch and Wiring Kit for use with Nos., 62-610, 82-710 or 82-910 motor (also can be used on DC motors). 3 lbs.

**CAT. NO. 46-471**

### MOTORS AND SWITCHES FOR 3-PHASE OPERATION

Motor,  $\frac{1}{2}$  HP, 3-phase, 208-220/440V, 50/60 cy, AC, 1425/1725 rpm. Without switch or power cord. 29 lbs.

**CAT. NO. 66-320**

Motor,  $\frac{1}{2}$  HP, 208-220/440V, 50/60 cy, AC, 1425/1725 rpm. Without switch or power cord. 44 lbs.

**CAT. NO. 86-520**

Motor,  $\frac{3}{4}$  HP, 208-220/440V, 50/60 cy, AC, 1425/1725 rpm. Without switch or power cord. 42 lbs.

**CAT. NO. 86-720**

Switch, overload. Used with No. 46-473 Switch Kit. Specify voltage. 3 lbs.

**CAT. NO. 49-365**

Starter, Magnetic. For 60 cy, 208-220V only. Provides low-voltage, no voltage and overload protection. Used with No. 46-472 switch kit. 6 lbs.

**CAT. NO. 49-396**

Starter, Magnetic. For 60 cy, 440V only. Provides low-voltage, no voltage and overload protection. Used with No. 46-472 switch kit. 6 lbs.

**CAT. NO. 49-397**

Push Button Manual Control Switch and Wiring Kit for use with Nos. 66-320, 86-520 or 86-720 motor and No. 49-365 overload switch (also can be used on DC motors). 3 $\frac{1}{2}$  lbs.

**CAT. NO. 46-473**

Push Button Magnetic Control Switch and Wiring Kit for use with Nos. 66-320, 86-520 or 86-720 motor and No. 49-396 208-220V magnetic starter or No. 49-397 440V magnetic starter. 3 lbs.

**CAT. NO. 46-472**

### CONVENIENT NEW ALL-INCLUSIVE CATALOG NUMBERS

#### FOR SINGLE PHASE OPERATION

12" Variable Speed Wood Lathe complete. Includes No. 46-400 lathe, No. 82-910  $\frac{3}{4}$  HP motor and No. 46-471 manual control switch and wiring kit. 554 lbs.

**CAT. NO. 46-411**

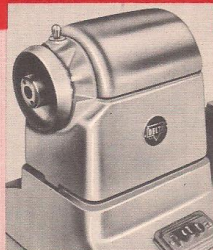
#### FOR 3-PHASE OPERATION

12" Variable Speed Wood Lathe complete. Includes No. 46-400 lathe, No. 86-720  $\frac{3}{4}$  HP motor, No. 46-473 manual control switch and wiring kit, and No. 49-365 overload switch (specify voltage). 543 lbs.

**CAT. NO. 46-413**

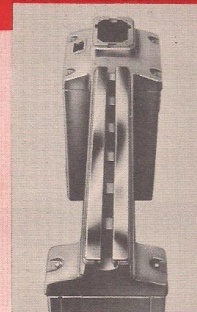
advanced features like these

## make the **DELTA** 12" VARIABLE SPEED WOOD LATHE **UNMATCHED IN ITS CLASS!**



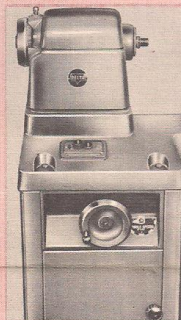
#### RUGGED HEAD STOCK

Engineered to give extra rigidity for heavy, rough turning. Cover completely encloses belt and pulleys for added safety . . . is easy to remove for changing belt.



#### MASSIVE BED

Scientifically ribbed and ruggedly constructed to minimize vibration . . . bed and head stock mounting are precision ground simultaneously for absolute alignment.



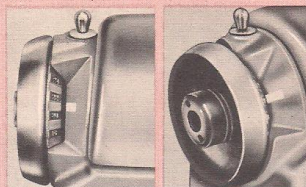
#### DESIGNED FOR SAFETY

Drive mechanism is fully enclosed . . . a cap covers the threaded portion of the outboard spindle when it is not in use . . . switch has protruding stop button and shrouded start button for quick, safe operation!



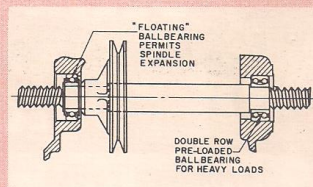
#### CONVENIENT CONTROLS

Horizontally placed switch and recessed speed changing wheel are conveniently located. Inclined, graduated speed indicator is easy to read permitting quick, accurate setting of the variable speed drive to any desired speed between 340 and 3200 rpm.



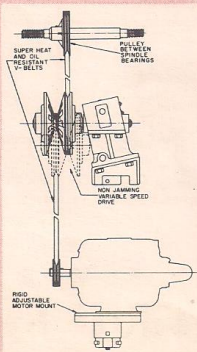
#### SCIENTIFICALLY DESIGNED HAND WHEEL

Large and easy to grip, the indexing, variable speed control and tail stock hand wheels are engineered to conform to the contours of the hand . . . indexing of spindle to any of 48 index stops can be done quickly . . . extra smooth finish assures maximum operator safety!



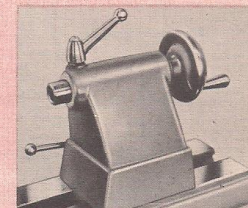
#### MAXIMUM THRUST HEAD STOCK SPINDLE

A double row, preloaded, sealed-for-life ball bearing at the work end permits maximum thrust for heavy turning and metal spinning . . . "floating" ball bearing construction on the outboard end allows for expansion as the spindle warms up!



#### VARIABLE SPEED DRIVE

A counter shaft between motor and spindle permits steady power transmission to the spindle at all speeds — avoids burning and jamming of belts. Spindle drive is applied between the inboard and outboard bearings eliminating spindle whip.



#### STURDY TAIL STOCK

A quick-acting cam clamp permits rapid positioning and locking of the tail stock to the bed . . . positive 360° wrap-around clamp securely locks the ram . . . non-jamming ram releases automatically and is graduated in 1/16". The No. 2 Morse Taper ram automatically ejects centers when retracted.



# 12" Variable Speed Wood Lathe



the **NEW**

Wholesale Distributors  
Federal Tool & Mill Supply  
513 South Michigan St  
South Bend 1, Indiana

these **NEW ACCESSORIES... PLUS**  
**DELTA'S 50 STANDARD LATHE ACCESSORIES**  
make the **NEW DELTA 12" WOOD LATHE**  
**UNEQUALLED IN VERSATILITY!...**

## SPINNING TOOLS



Flat Tool Cat. No. 46-492



Pointed Tool Cat. No. 46-493

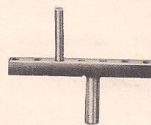


Cut-Off Tool Cat. No. 46-494

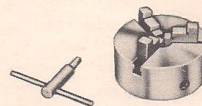


Includes two wheels for large  
and small beads  
Beading Tool Cat. No. 46-495

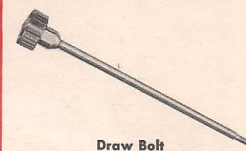
Set of All Four Spinning Tools  
Cat. No. 46-496



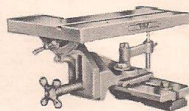
Tool Support for Metal Spinning  
Cat. No. 46-491



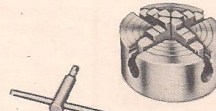
3 Jaw Universal Chuck  
Cat. No. 46-950



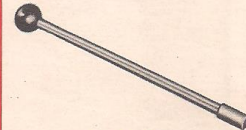
Draw Bolt  
Cat. No. 46-916



Sanding Attachment  
Cat. No. 46-432



4 Jaw Independent Chuck  
Cat. No. 46-951



Knockout Bar  
Cat. No. 46-905



**DELTA QUALITY POWER TOOLS**  
**another product by Rockwell**



Form AD-1000 Sept. 1956, Printed in U.S.A.

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