

# NOW!

# 2

## GREAT NEW ROCKWELL-DELTA 15" DRILL PRESSES



NEW  
R-D  
6+6

6-Step Pulley  
6" Stroke Model

- Widest speed range available!
- First 6-Speed model in the industry!
- Full 6" quill travel!



NEW R-D  
VSG6

Variable Speed  
6" Stroke Model

- Unmatched speed range — 10-to-1 ratio!
- Extra big 6" quill travel!
- Exclusive "Stabilizer - Controlled" speed changes!

There's a Rockwell-Delta 15" Drill Press that meets your exact needs... in a "6 PLUS 6" or a "VS6"

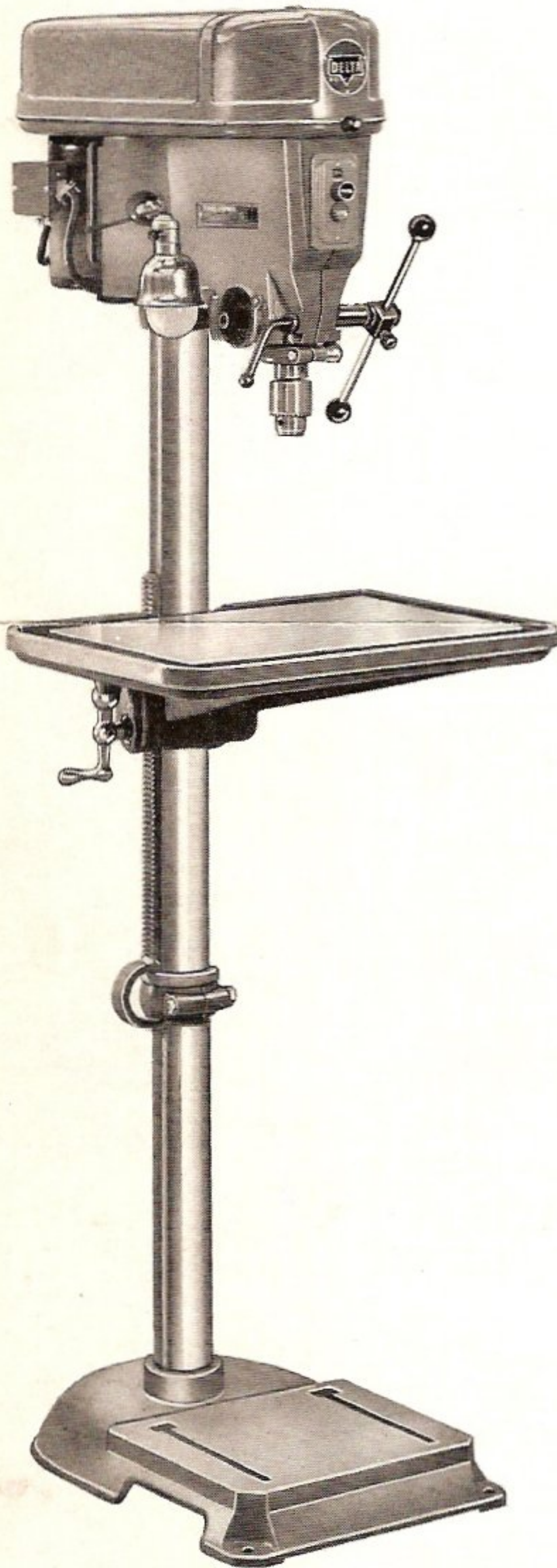
Choose from 44 Models...

In today's competitive market, the manufacturer's profits are being squeezed by higher material, labor and marketing costs. This means that he must cut costs at the only remaining level — the production line.

Rockwell-Delta's two new 15" Drill Presses — the "6 PLUS 6" and "VS6" — make such production savings possible. How? Through their exceptional capacity and versatility. They provide the extra wide range of speeds needed for drilling

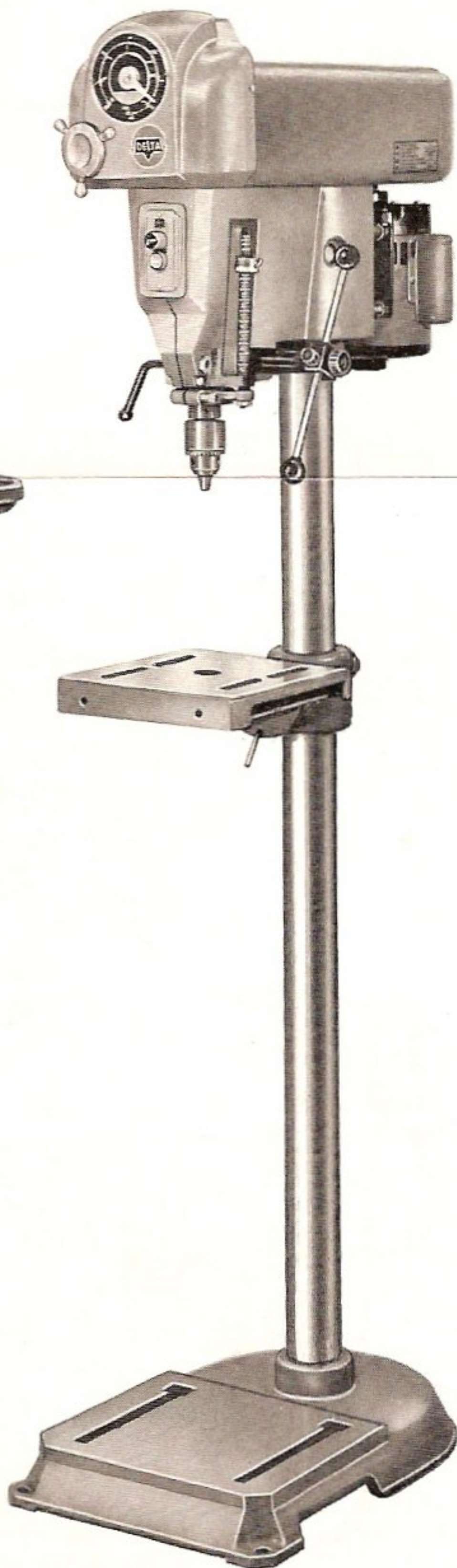
everything from hardened tool steel to aluminum, plastic and wood. They offer the extra drilling depth required for deep-hole applications like skip and gang drilling . . . also the extra stroke necessary for clearing jigs and fixtures.

Let us PERFORMANCE-PROVE this "big action" team for you today . . . show you how they can help your profit picture!



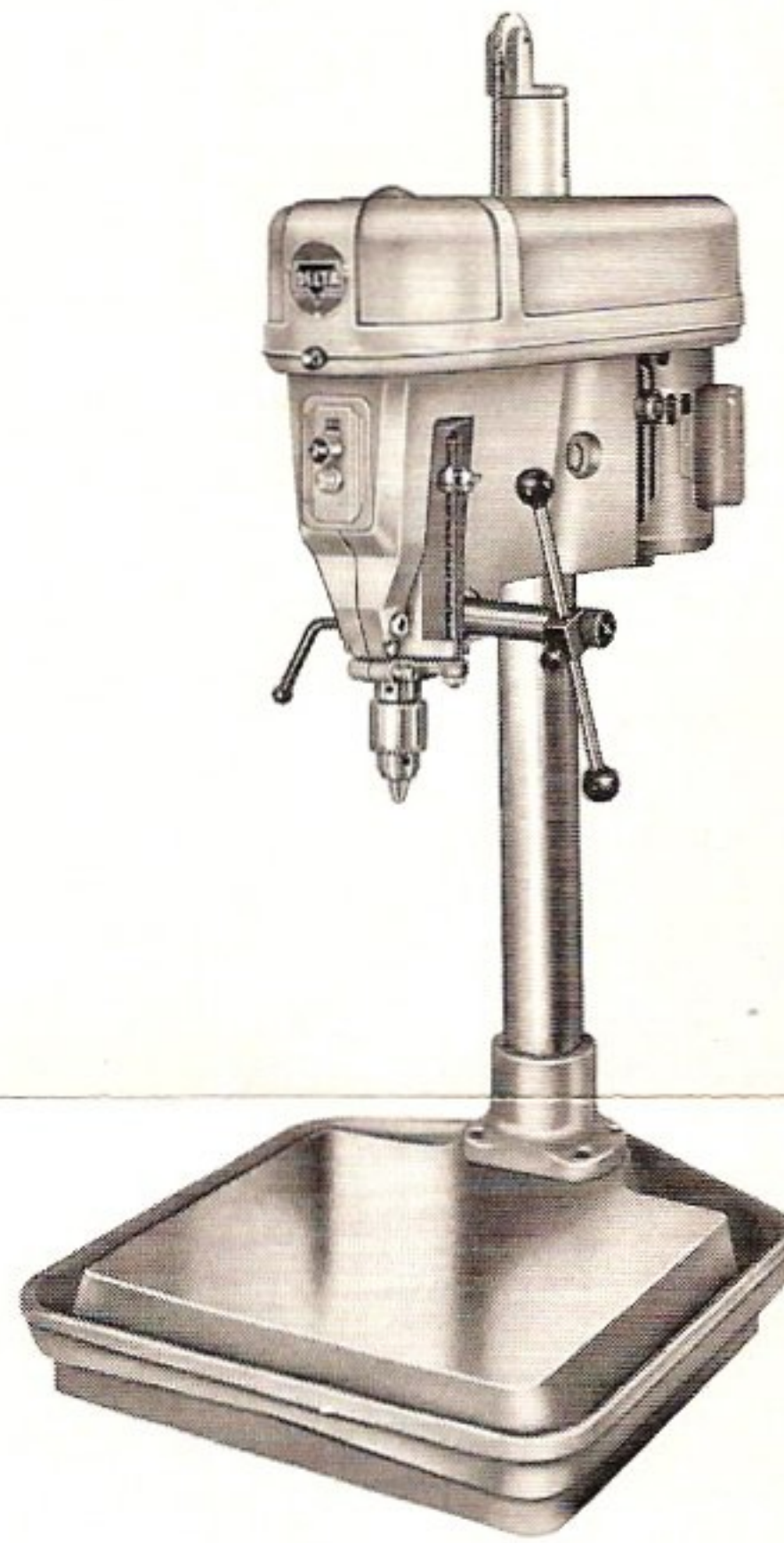
**6-STEP PULLEY  
6" STROKE FLOOR MODEL**

With production table and key chuck spindle. Available with tilting table and No. 2 M.T. spindle on both "6 PLUS 6" and "VS6" Models.



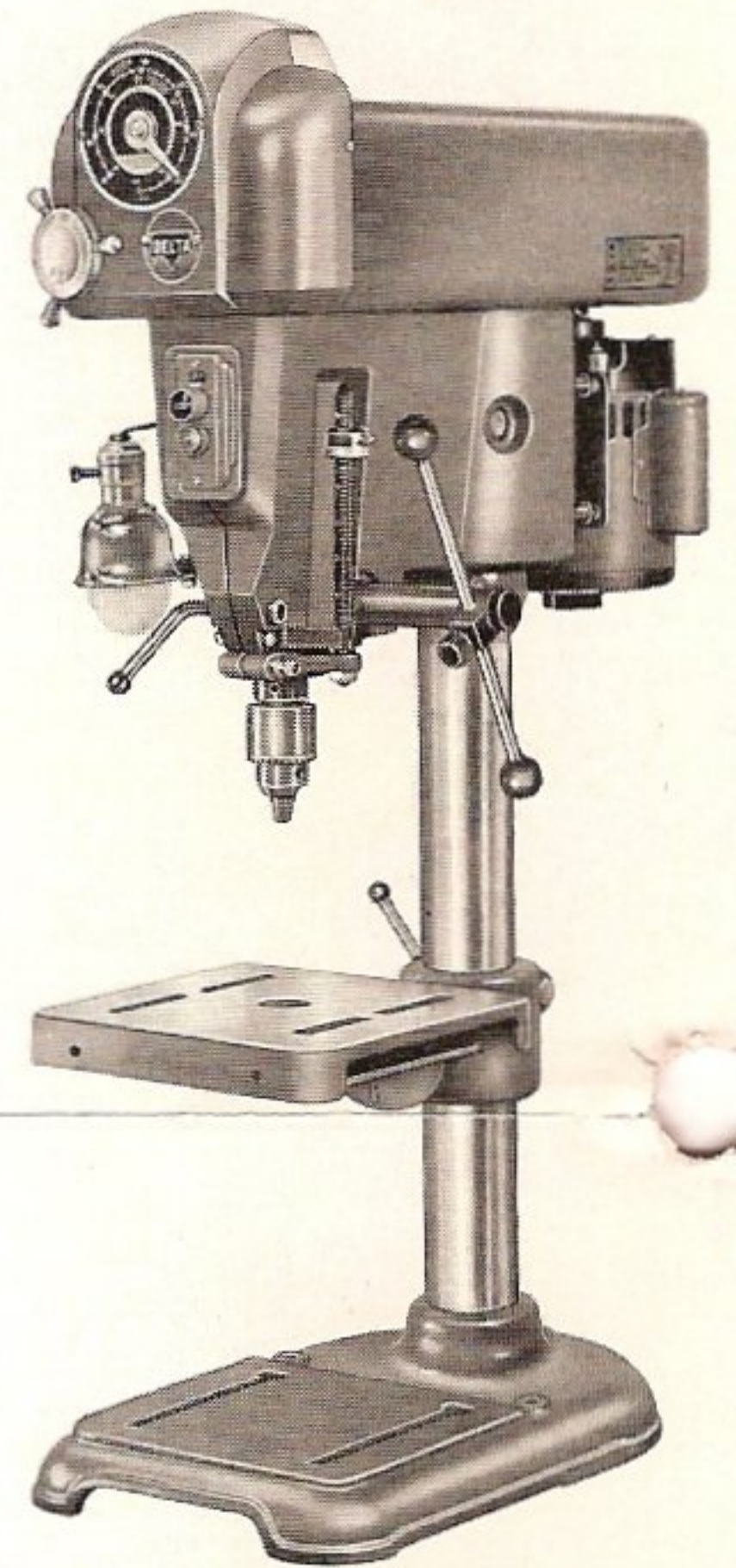
**VARIABLE SPEED  
6" STROKE FLOOR MODEL**

With tilting table and key chuck spindle. Available with production table and No. 2 M.T. spindle on both "6 PLUS 6" and "VS6" models.



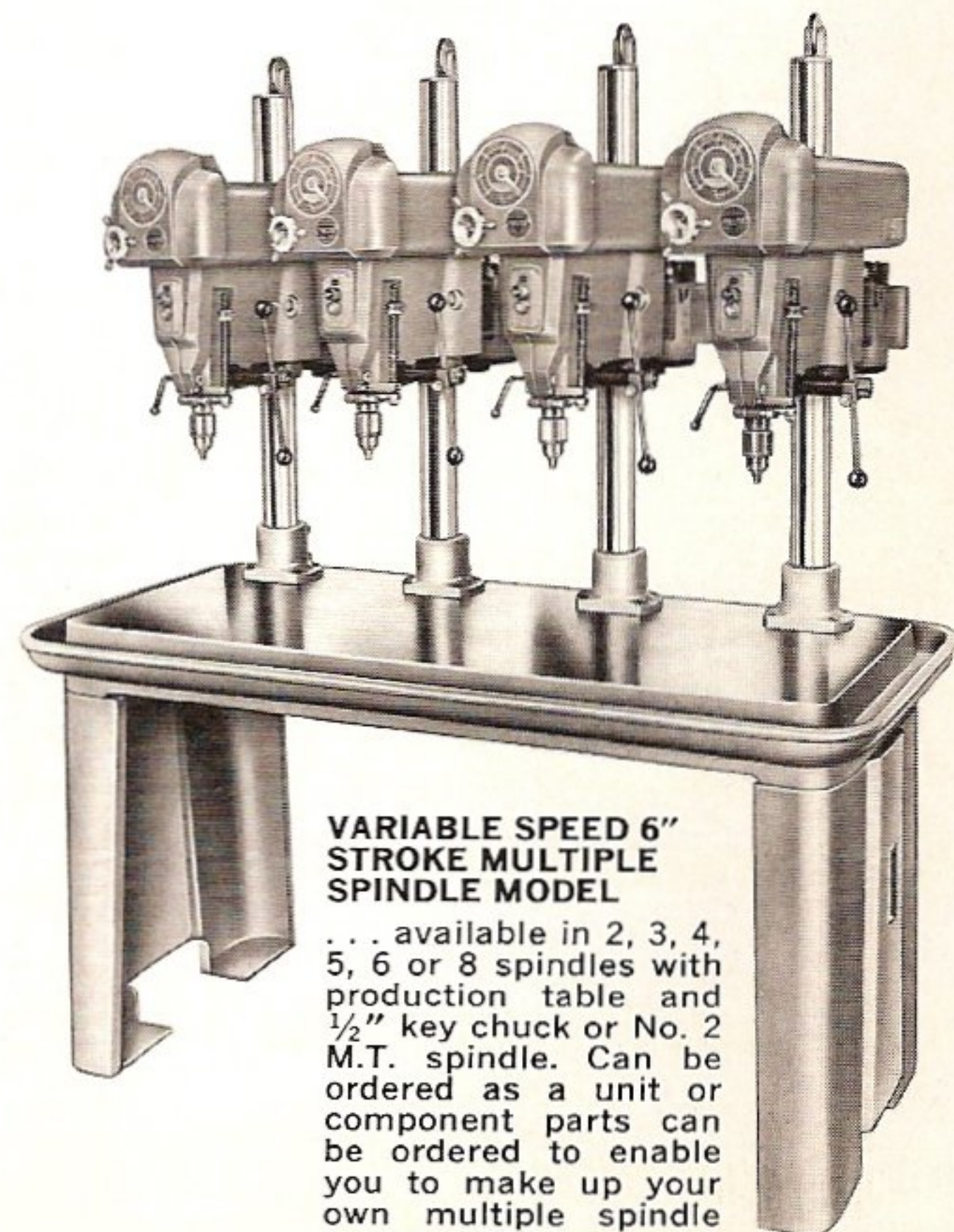
**6-STEP PULLEY  
6" STROKE BENCH MODEL**

With production table and key chuck spindle. Available with No. 2 M.T. spindle on both "6 PLUS 6" and "VS6" Models.



**VARIABLE SPEED  
6" STROKE BENCH MODEL**

With tilting table and key chuck spindle. Available with No. 2 M.T. spindle on both "6 PLUS 6" and "VS6" Models.



**VARIABLE SPEED 6"  
STROKE MULTIPLE  
SPINDLE MODEL**

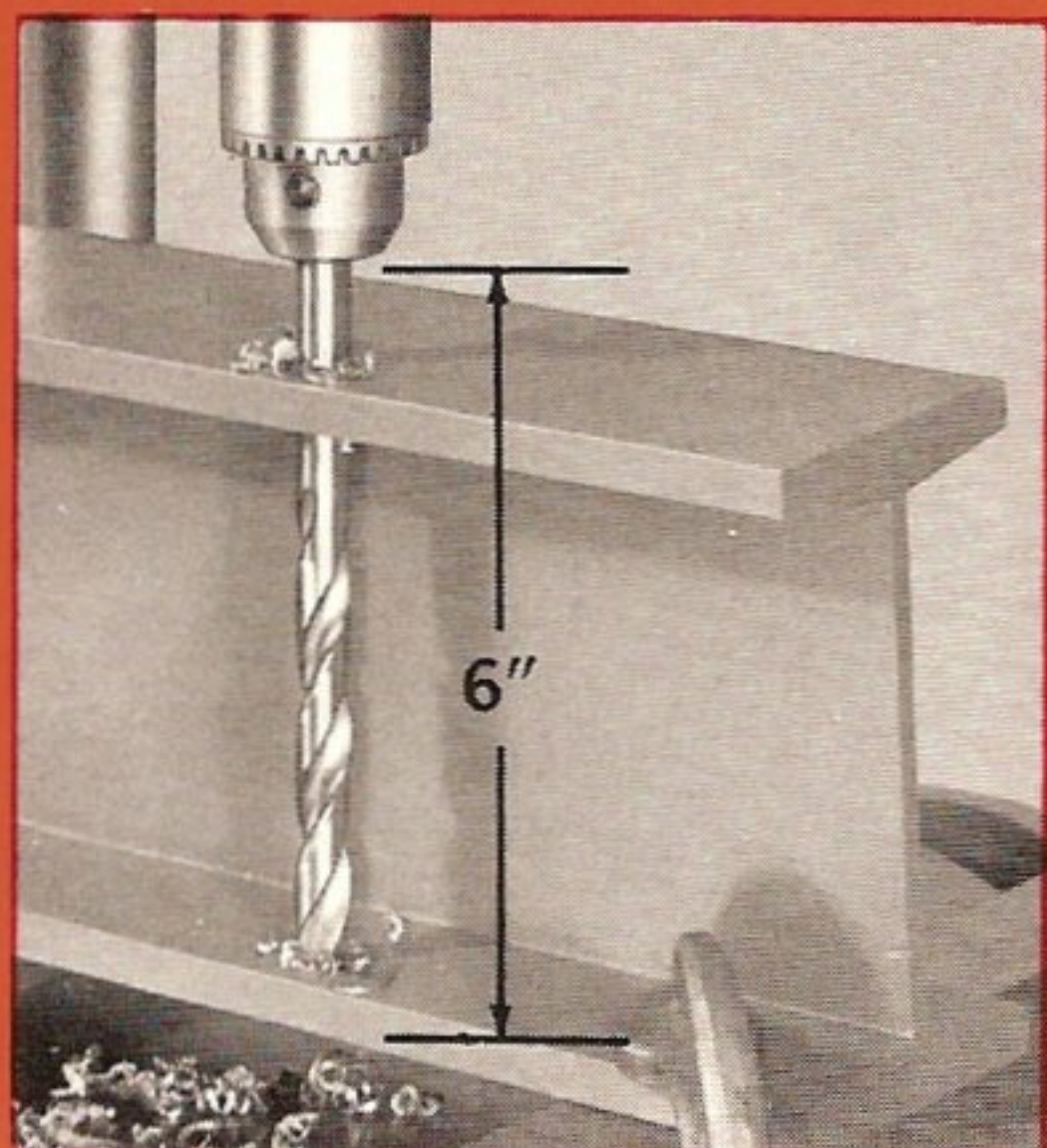
. . . available in 2, 3, 4, 5, 6 or 8 spindles with production table and 1/2" key chuck or No. 2 M.T. spindle. Can be ordered as a unit or component parts can be ordered to enable you to make up your own multiple spindle set-up with any number of spindles.

exclusive  
on  
**6+6**



**SIX SPEEDS—AN INDUSTRY FIRST . . .** Only Delta offers this unbelievably wide range of speeds with a low-cost 1725 RPM motor—425, 600, 1100, 2050, 3900 and 5500 RPM—11.8 to 1 speed ratio.

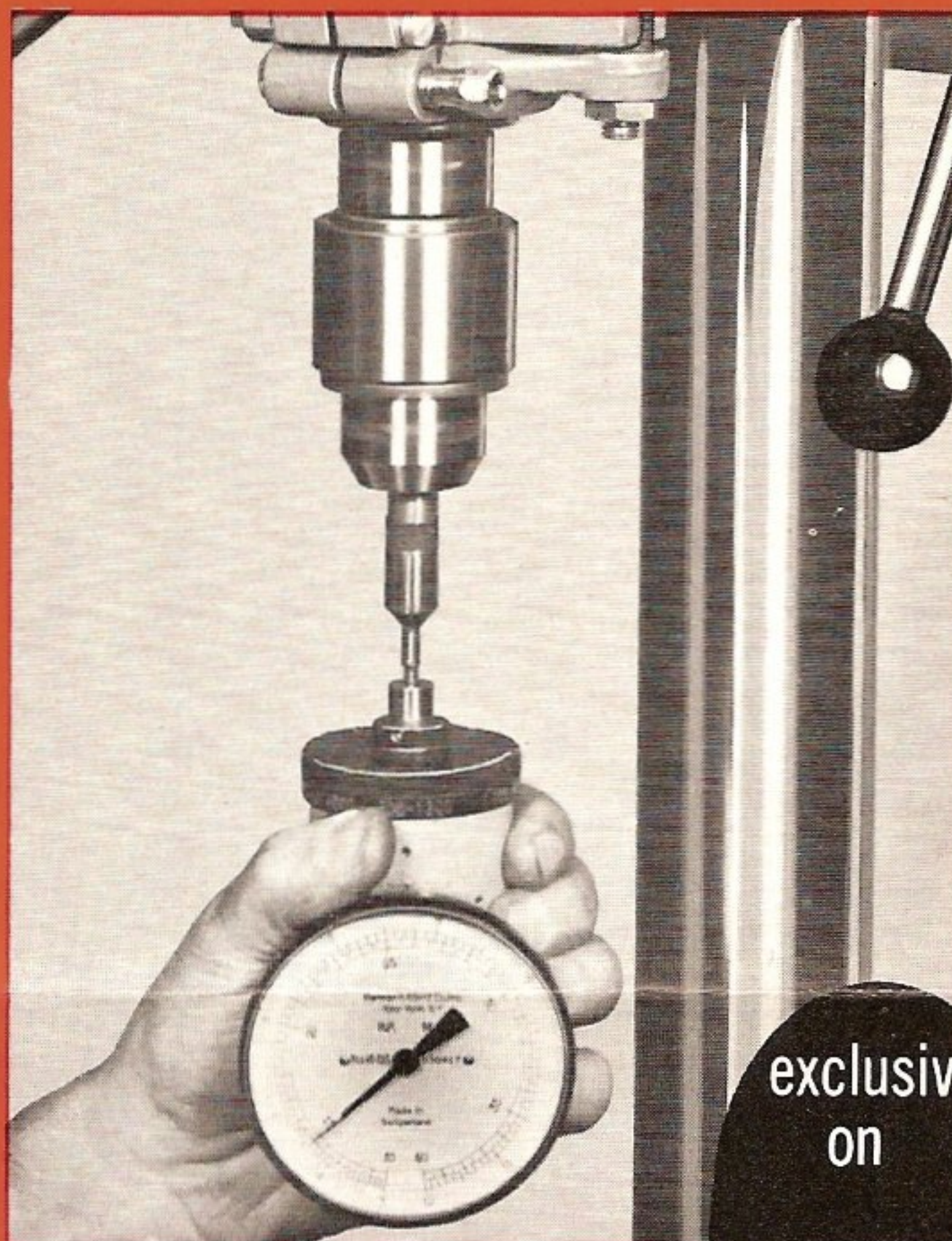
**BENEFITS:** You can choose an extra slow speed for drilling very hard materials . . . an extra fast speed for working soft materials . . . or an optimum speed for any size bit and material. This one machine does the work of two former machines (low and high speed).



**EXTRA LONG QUILL TRAVEL . . .** The New "6+6" and "VS6" provide a full 6" stroke.

**BENEFITS:** You can drill 35% deeper than with standard 15" machines. You get the extra depth you need for deep hole jobs like skip and gang drilling . . . PLUS, the extra stroke required for clearing jigs and fixtures.

# You get *MORE EXCLUSIVE* features with Rockwell-Delta Drill Presses



**WIDEST, TEST-PROVEN SPEED RANGE . . .** The Delta is the only 15" Variable Speed Drill Press which gives you a true 10-to-1 speed ratio, proven by actual test.

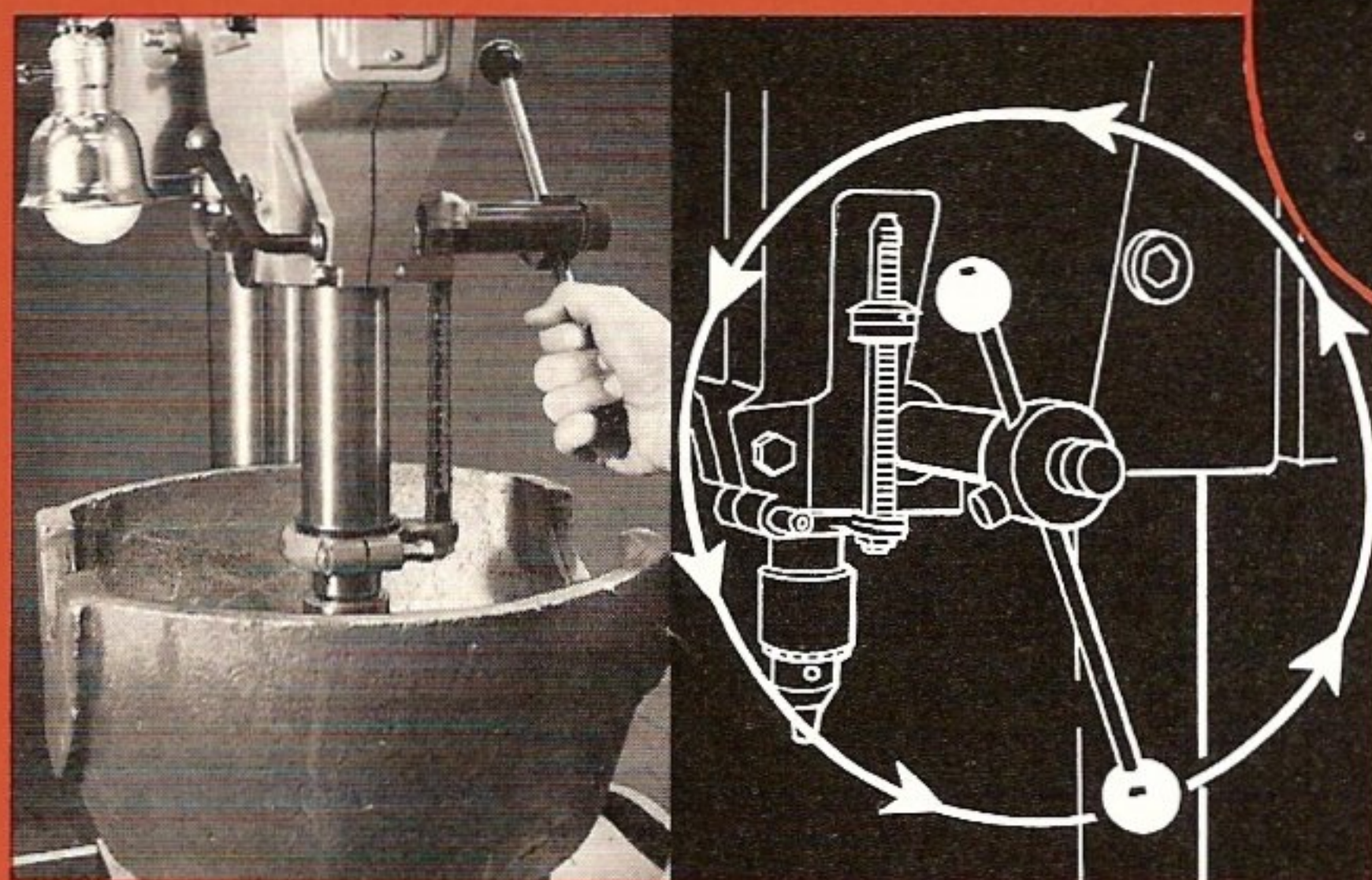
**BENEFITS:** you get the exact speed you need for every drilling job on any material — 450 to 4700 RPM with a 1725 RPM motor — 300 to 3100 with an 1140 RPM motor. Only Delta gives you a BONUS of extra speeds in both the high and low speed range.

exclusive  
on

**VS6**

exclusive  
on

**6+6  
VS6**

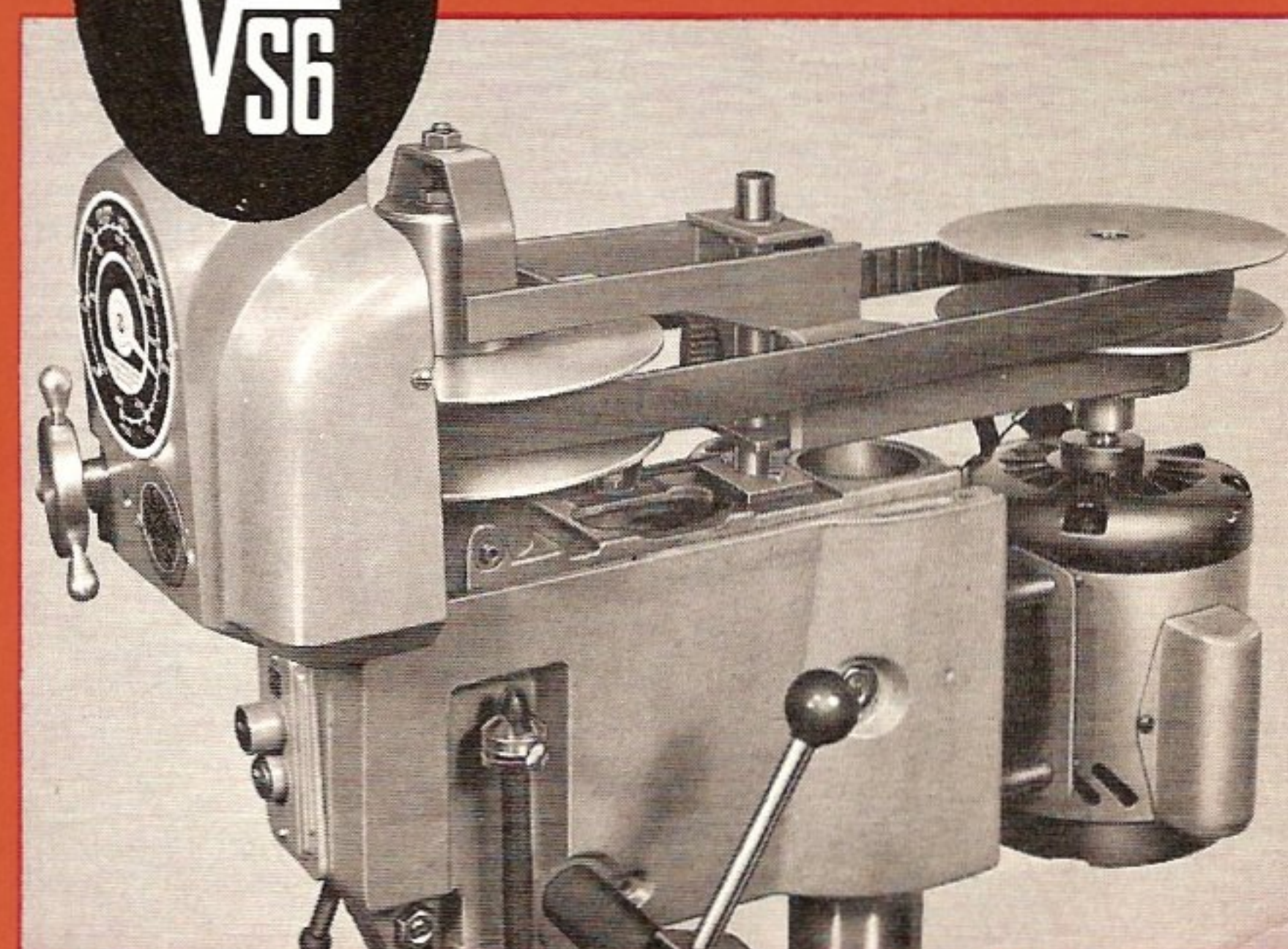


**UNIQUE, PATENTED UNIVERSAL HAND FEED . . .** Only Delta combines the best features of the pilot wheel and single lever feeds into a unique hand feed.

**BENEFITS:** You can position feed lever at exact angle desired, anywhere around a complete circle to avoid operator fatigue. Lever can be repositioned to clear jigs and fixtures . . . pulled out for heavy drilling.

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on

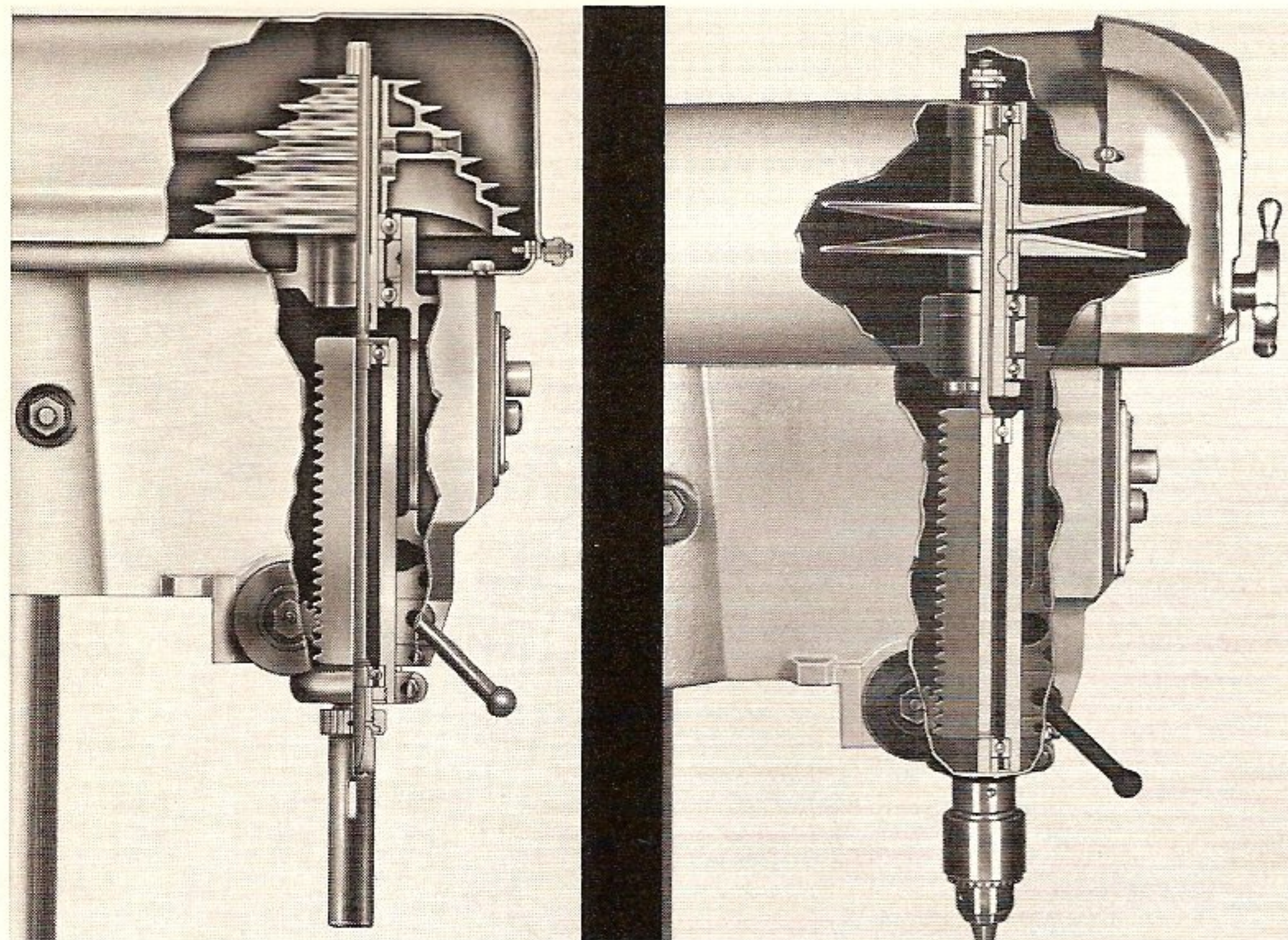
**VS6**



**PATENTED "STABILIZER-CONTROLLED" SPEED CHANGES . . .** Only Delta uses the stabilizer principle of design for positive speed changing control of both spindle and motor pulleys.

**BENEFITS:** It eliminates the use of "power robbing" springs — guarantees spindle RPM's at exact speed selected, under all loads. Speeds are selected easily, with one hand.

# Plus these "time-proven" VALUE EXTRAS!



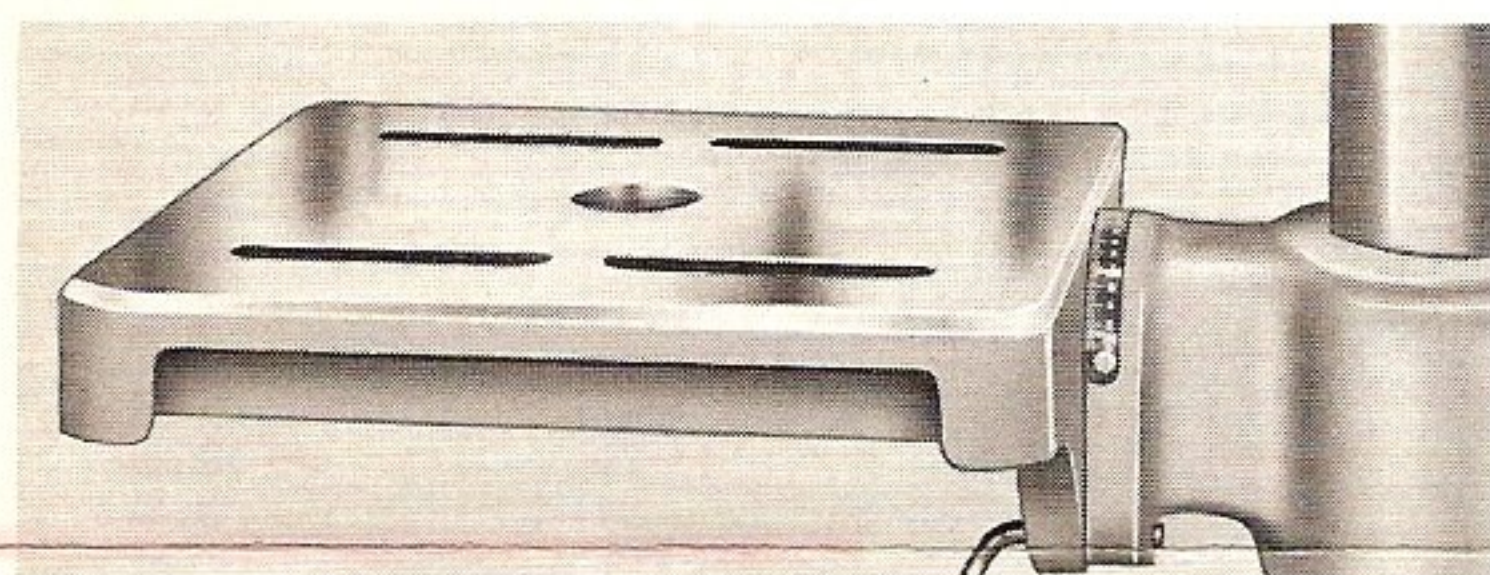
**EXTRA LARGE SPINDLE BEARINGS** . . . "6 PLUS 6" spindle and spindle pulley are supported by four over-sized, preloaded, lubricated-for-life ball bearings. Pulley bearings are extra heavy duty and more than 2" in diameter. Massive quill is a full 2" in diameter. "VS6" has the same excellent construction, PLUS an extra out-board bearing above the spindle pulley.

**BENEFITS:** This fine combination of features assures freedom from chatter; long, maintenance-free life and maximum pressure at the drill point.



**RUGGED HEAD CONSTRUCTION** . . . The head of the "6 PLUS 6" and "VS6" is a massive, one-piece casting.

**BENEFIT:** This superior construction assures maximum rigidity, guaranteeing holes that are ROUND, TRUE TO SIZE and PERFECTLY STRAIGHT.



**SPECIALLY DESIGNED TILTING TABLE** . . . Slots and side ledges make clamping of work easy. Machined front apron has mounting holes. Tilt scale gives accurate readings to 90° right and left, and tapered, expanding bushing provides maximum gripping power for rigid positioning of table at any angle.

**BENEFIT:** Quick, accurate clamping of work speeds up production and eliminates work spoilage.



**QUICK-RELEASE, ADJUSTABLE MOTOR MOUNT** . . . Belt tension release is provided by the pivoting motor mounting plate which has a reverse, self-locking taper on the spring-loaded, rubber-tipped plunger that quickly restores correct belt tension.

**BENEFIT:** Permits changing of belt position in seconds to save valuable production time — no tools are required.

## Plus

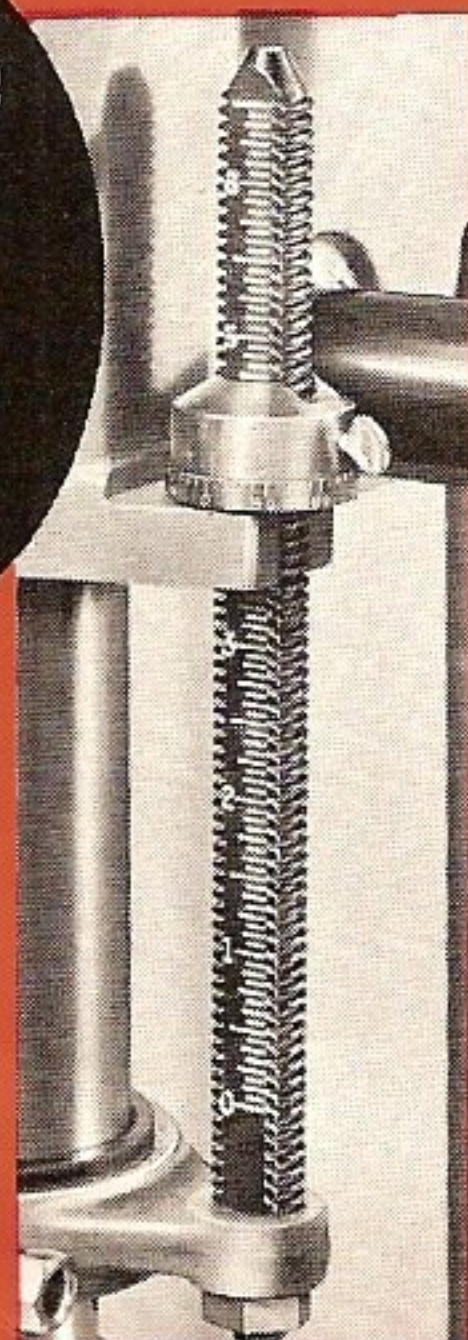
- Multiple-spline drive that provides positive torque transmission and exact spindle alignment, assuring less vibration, smooth operation and more power at the spindle.
- Precision ground spindle and dynamically balanced motor and spindle pulleys.
- Worm screw adjustment feature that makes it easy to set the correct tension on the spindle return spring.

- Extra long columns for added capacity and operator comfort. Columns have 5/32" wall thickness.
- Rubber cushion ring that absorbs shock between head and stop rod collar and between head and mortising chisel holder while lock feature firmly holds these parts on quill to guarantee proper adjustment.

exclusive  
on

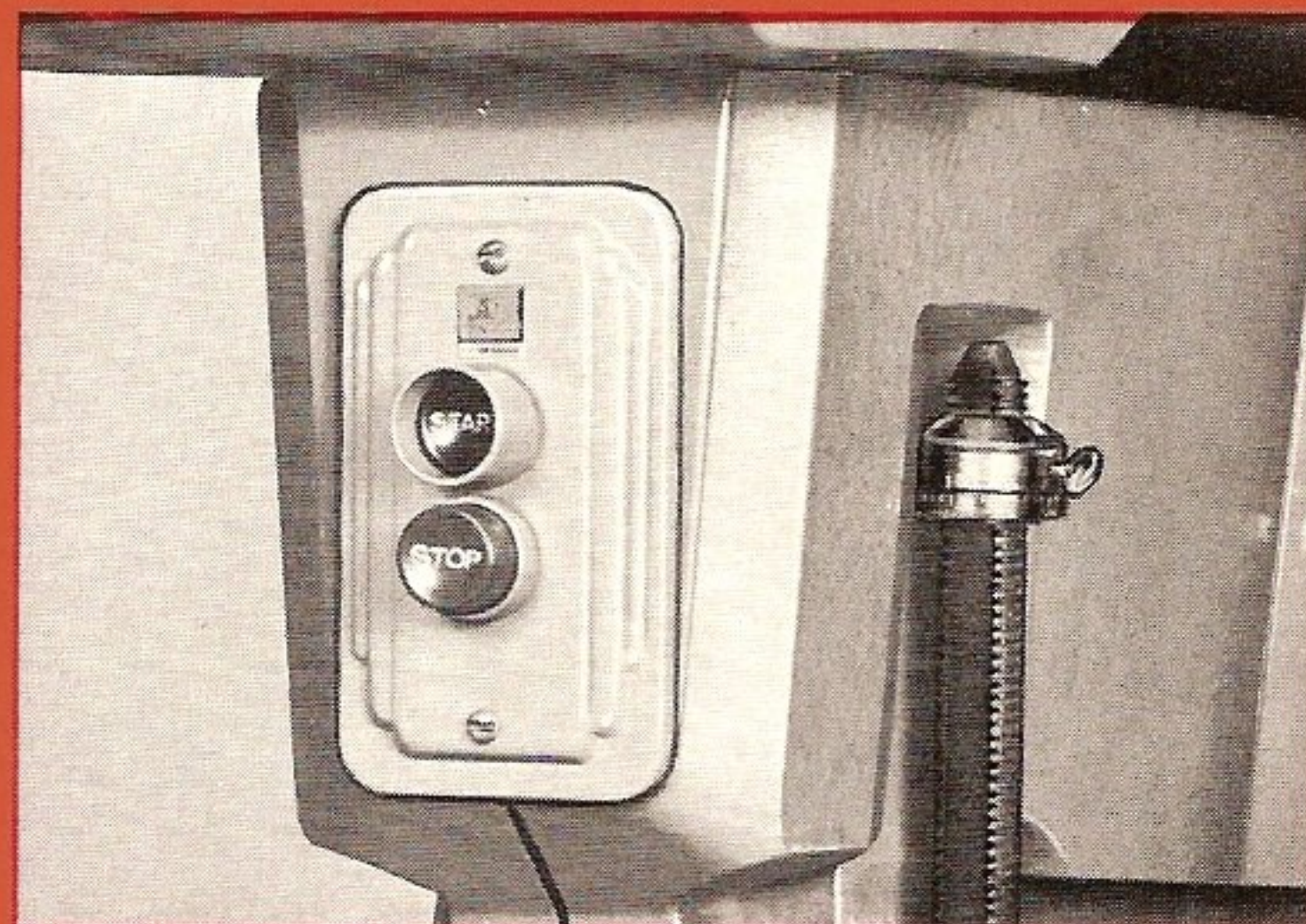
6+6

VS6



**"SELF-LOCKING" DEPTH STOP** . . . Unlike competitive depth stops, Delta's self-locking design guarantees that it will never change its setting.

**BENEFITS:** Positive setting eliminates ruined work pieces . . . permits fast set-ups for absolute depth control. Sleeve is calibrated to show changes down to .002".



**SAFE PUSH BUTTON SWITCH** . . . Mounts in front of head, conveniently accessible to right or left hand of operator.

**BENEFIT:** Has a shrouded start button to prevent accidental starts and a protruding stop button for quick, emergency stops.

## CATALOG LISTING

### SINGLE SPINDLE 6-STEP PULLEY MODELS (Less Motor and Control—See Below)

Standard Tilting Table — Bench Model	Standard Tilting Table — Floor Model	Production Table — Floor Model	Production Table — Bench Model — 14 x 16" Table	Head Only
15-382 • No. 2 M.T. Spindle 145 lbs.	15-386 • No. 2 M.T. Spindle 178 lbs.	15-388 • *†No. 2 M.T. Spindle 235 lbs.	15-384 • **†No. 2 M.T. Spindle 218 lbs.	15-380 No. 2 M.T. Spindle 72 lbs.
15-383 • 1/2" Key Chuck 145 lbs.	15-387 • 1/2" Key Chuck 178 lbs.	15-389 • *†1/2" Key Chuck 235 lbs.	15-385 • **†1/2" Key Chuck 218 lbs.	15-381 1/2" Key Chuck 72 lbs.

### SINGLE SPINDLE VARIABLE SPEED MODELS (Less Motor and Control—See Below)

15-313 • No. 2 M.T. Spindle 160 lbs.	15-309 • No. 2 M.T. Spindle 185 lbs.	15-311 • *†No. 2 M.T. Spindle 245 lbs.	15-315 • **†No. 2 M.T. Spindle 243 lbs.	15-317 No. 2 M.T. Spindle 81 lbs.
15-314 • 1/2" Key Chuck 160 lbs.	15-310 • 1/2" Key Chuck 185 lbs.	15-312 • *†1/2" Key Chuck 245 lbs.	15-316 • **†1/2" Key Chuck 243 lbs.	15-318 1/2" Key Chuck 81 lbs.

• Includes 1010 Safety Collar.  
† Includes 1008 Table Raising Mechanism.  
\* 1 1/2" coolant trough with 3/8" pipe on each side.

\*\* 1 1/2" coolant trough with two 3/4" pipe tap at rear.  
† Counter balance for raising and lowering head is included.  
All models include belt and motor pulley.

### MULTIPLE SPINDLE MODELS (Less Motors and Controls—See Below)

No. of Spindles	6-Step Pulley No. 2 M.T. Spindle	Variable Speed No. 2 M.T. Spindle	6-Step Pulley 1/2" Key Chuck Spindle	Variable Speed 1/2" Key Chuck Spindle
2 Spindle — 3/4" Pipe Tap at Rear	15-390 422 lbs.	15-319 426 lbs.	15-391 422 lbs.	15-320 426 lbs.
3 Spindle — 3/4" Pipe Tap at Rear	15-392 865 lbs.	15-321 870 lbs.	15-393 865 lbs.	15-322 870 lbs.
4 Spindle — 3/4" Pipe Tap at Rear	15-394 1036 lbs.	15-323 1044 lbs.	15-395 1036 lbs.	15-324 1044 lbs.
5 Spindle — Two 3/4" Pipe Taps at Ends	15-396 1325 lbs.	15-325 1334 lbs.	15-397 1325 lbs.	15-326 1334 lbs.
6 Spindle — Two 3/4" Pipe Taps at Ends	15-398 1776 lbs.	15-327 1786 lbs.	15-399 1776 lbs.	15-328 1786 lbs.
8 Spindle — Two 3/4" Pipe Taps at Ends	15-400 2004 lbs.	15-329 2018 lbs.	15-401 2004 lbs.	15-330 2018 lbs.

All models include belts and motor pulleys. Spindle to table maximum with No. 2 M.T. Spindle, 21 1/4".

Spindle to table maximum with 1/2" key chuck, 22 1/2".

The 2, 3 and 4 spindle drill presses all have one piece tables. The 5, 6 and

8 spindle drill presses have sectional tables. Tables on multiple spindle units have 1 1/2" coolant trough. Working surface is 32" from the floor. Counterbalance for raising and lowering heads is included. Sectional table units with three sections have three steel legs — all other multiple spindle units have two legs.

## MOTORS AND CONTROLS (MOUNTED)

**Factory Recommended Electrical Components** — For most drill press operations, it is best to order the "first choice" electrical components indicated below. Experience has shown that the "first choice" as indicated meets most situations, at the lowest price possible with good drilling practice. On multiple spindle units, designate head (1st, 2nd, etc.) on which each motor and control group is to be factory mounted.

First Choice for "6 PLUS 6" and "VS6" 15" Drill Presses:

Single Phase — Order 49-438      Three Phase — Order 49-439

**NOTE: Motors and motor controls for Delta 6" Stroke 15" Drill Presses may be ordered unmounted. For listing, including manual or magnetic starters and mounting brackets, see Delta Industrial Catalog.**

### ELECTRICAL COMPONENTS MOUNTED AND WIRED (Motors and Push Button Switches)

	*Single Phase, Cap'r Start (Mounted, wired for 115V)		**Three Phase (Mounted, wired for 220V)	
	Standard Duty	Heavy Duty	Standard Duty	Heavy Duty
1725 RPM, 1/2 HP	†49-446	49-438	†49-447	49-439
1725 RPM, 3/4 HP		49-448		49-402
1140 RPM, 1/2 HP		49-449		49-403

\* Includes push button switch in head and 8' cord with 3-prong grounding type plug.

\*\* Includes push button manual control switch in head.

† Should not be used with variable speed models.

## MACHINE DATA

### Overall Dimensions:

Bench Type (with Tilting Table):	
Height ("6 PLUS 6")	39 1/2"; ("VS6") 42"
Width	13 1/2"
Front to Rear	24 1/4"
Floor Type:	
Height ("6 PLUS 6")	70 1/2"; ("VS6") 73"
Width (Tilting Table)	15 1/2"
Width (Production Table)	21 1/2"
Front to Rear	26"

### Table Working Surface, Ground:

Tilting	10 x 10 1/2"
Production (Overall)	15 1/2 x 21 1/2"
Production (Inside of Coolant Trough)	12 x 18"

### Base Working Surface:

Bench Type, Ground, with Slots	9 x 10"
Bench Type, Ground, with Trough	14 x 16"
Floor Type, with Slots	11 x 13"

### Quill:

Stroke	6"
Diameter	2"

### Capacities:

Key Chuck	0 to 1/2"
Dia. Hole in Cast Iron	5/8"
Dia. Hole in Steel	1/2"

### Capacities—Cont'd.

*Spindle Nose to Table, Maximum (Key Chuck Models)	
Bench Type, Tilting Table	11 1/8"
Floor Type, Tilting Table	41 3/4"
Floor Type, Production Table	36 1/2"
*Spindle Nose to Base, Maximum (Key Chuck Models)	
Bench Type, with Slots	16 5/8"
Bench Type, with Trough	22 1/2"
Floor Type	46 7/8"

### Spindle Speeds ("6 PLUS 6"):

With 1725 RPM Motor: 425, 600, 1100, 2050, 3900 and 5500 RPM  
With 1140 RPM Motor: 280, 395, 725, 1355, 2575 and 3635 RPM

### Spindle Speeds ("VS6"):

With 1725 RPM Motor: 450 to 4700 RPM  
With 1140 RPM Motor: 300 to 3100 RPM

### Column:

Wall Thickness	5/32"
Diameter	2 3/4"

### Motor:

Accommodates NEMA Frame Motors 48 and 56

\*NOTE: Subtract 1/16" for No. 2 M.T. Models.



**PAIR**

**ACTION**

**THE BIG**

15668

**USE THESE ACCESSORIES FOR INCREASED JOB PERFORMANCE**

- Lamp Attachment for 115 V. 1½ lbs. . . . . No. 882
- Safety Collar. For supporting head or table. 2 lbs. . . . . No. 1010
- Head Counterbalance Attachment. 9 lbs. . . . . No. 1030
- Multi-Speed Attachment for 6-step pulley models. Provides eight speeds from 125 RPM to 5800 RPM with 1725 RPM motor or 85 to 3800 RPM with 1140 RPM motor. 7 lbs. . . . . No. 15-802
- Foot Feed Attachment for floor models only. Maximum quill travel with foot feed connected is 6". 36 lbs. . . . . No. 15-820
- Full Belt and Pulley Guard, for step-pulley models only. Encloses spindle pulley, V-belt and motor pulley. 9 lbs. . . . . No. 15-825
- Drill Chuck with key. 1½ lbs. . . . . No. 15-830
- Adapter, No. 1 M.T. 2 lbs. . . . . No. 15-832
- Adapter, No. 2 M.T. 1 lb. . . . . No. 15-833
- Adapter, for cup grinding wheels. 1 lb. . . . . No. 15-835

- Adapter, ½", for shaper cutters. 1 lb. . . . . No. 15-836
- Adapter, ½" hole, for router and spur bits. 1 lb. . . . . No. 15-837
- Spanner Wrench, for threaded mounting collar of drill chuck and adapters. ½ lb. . . . . No. 15-838
- Mortising Attachment, complete with fence with mounting bolts, hooked rods, hold-down and chisel holder. Used with key chuck models only. 9 lbs. . . . . No. 15-840
- Top and Bottom Plates for 15" variable speed belt guard. 4 lbs. . . . . No. 15-845
- Motor Pulley, 6-step, ½" bore. 3½ lbs. . . . . No. 41-832
- Motor Pulley, 6-step, ⅝" bore. 3½ lbs. . . . . No. 41-833
- Motor Pulley, variable speed type, ½" bore. 5 lbs. . . . . No. 41-932
- Motor Pulley, variable speed type, ⅝" bore. 5 lbs. . . . . No. 41-933
- V-belt, 28⅞" OC, rear, for No. 15-802 Multi-Speed Attachment. 1½ lb. . . . . No. 41-091
- V-belt, 33½" OC, front, for No. 15-802 Multi-Speed Attachment. 1½ lb. . . . . No. 41-092
- V-belt, 6-step pulley type, 45⅞" OC. 1½ lb. . . . . No. 41-093
- Belt, variable speed type, 45⅞" OC. 1 lb. . . . . No. 49-415



No. 15-832



No. 15-835



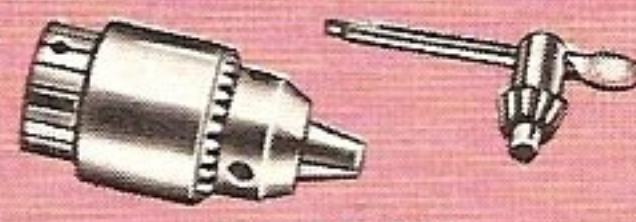
No. 15-836



No. 15-833



No. 15-837



No. 15-830



No. 15-802

Note: For complete description of additional accessories, see your Delta Industrial Distributor or write for free Delta Industrial Catalog.



**Rockwell**  
MANUFACTURING COMPANY

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