

THE NEW MODEL "756"

INDEX VERTICAL MILLING MACHINE

HEAVY DUTY—RIGID TYPE

Compare the specifications (reverse side) of the new Model "756", with those of any machine in its size, power and price range and you will immediately see why it is a better machine for you.

COMPACT DESIGN — Greater operator convenience (See head description, reverse side)
• Better guarding • Easier operation.

BACK GEAR UNIT — for full 2 horsepower and torque at all spindle speeds • 8 spindle speeds — 75 through 2850 rpm • Single lever shifts for low speed range, high speed range and neutral "free spindle" for easy hand rotation in indicating and tool changing.

NEW CLUTCH — permanently adjusted at factory • Requires no further attention.
• Single lever engages and disengages.

NEW QUILL — 3 $\frac{3}{8}$ " dia. with new rigid duplex mounting of precision bearings. • Provides interchangeability of quill mounted tools and attachments. • Feed up or down controlled by hand lever, hand wheel, or power (reversible) — accurate trip-out and dead stop for better depth control. • Power quill feed gearing may be disengaged for high speed operation.

COOLANT GROOVES — Front and back of table with wells in ends, drilled and tapped for return lines.

FEED SCREWS — Precision ground thread, five pitch, with 4" diameter angle faced dials graduated in .001".

RIGID — Designed for only essential movements; Model "756" Index Mill is extremely rigid • Ideal for accurate jig boring • Takes heavier cuts without chatter • Extremely accurate for maximum benefit when used with equipment, such as optics, rod and indicators, or verniers.

OPTIONAL EXTRAS — A wide range for extra versatility.

(see back and Accessory catalog #C-666-2M).



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MACHINE & TOOL COMPANY

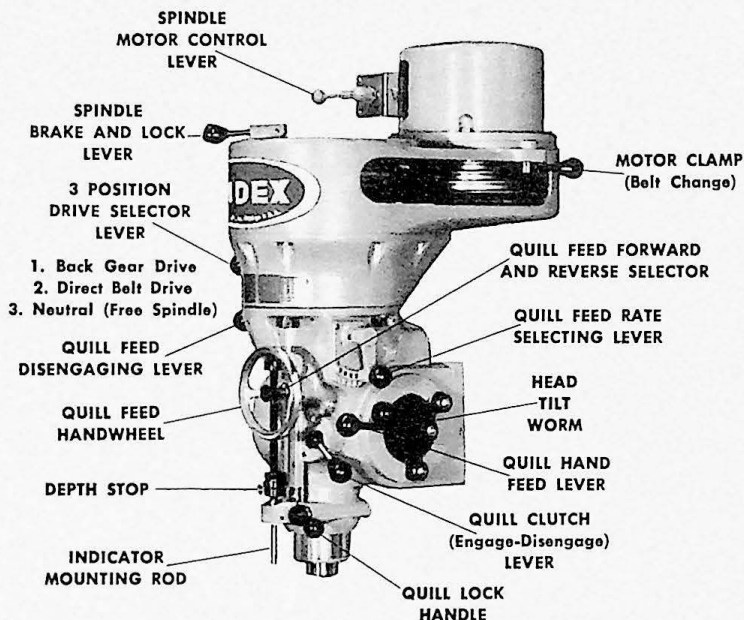
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Phone (517) 787-5444

GROUPED CONTROLS FOR OPERATOR CONVENIENCE

INDEX MODEL "756"

SPECIFICATIONS



You will note from the above that the new compact head insures that any normal-sized operator will be able to start and stop the spindle • Engage and disengage the back gear unit • Change belts • Engage and disengage the feed system • Select the feed rate • Make all tool changes — **Without moving from his normal operating position.**

In addition, the new head will tilt through a full 360°, side to side — better guarding for operator safety • New spindle nose and extension for greater visibility and easy hand rotation.

OPTIONAL EXTRAS

For maximum efficiency and versatility for the "756", INDEX offers a wide range of optional extras (for details, ask for Catalog #C-666-2M) — Power Feed, both Cross and Longitudinal • Rapid Traverse • Complete Coolant System • Right Angle Milling Head • Rods and Indicators • Verniers • Direct Reading Optical Systems • Chrome Plated Ways • Rotary Tables • Tilting Tables • Swivel Base Vises • Column Mounted Light • Many others.

Save time and money by having accessories factory installed and shipped on the machine.

TABLE

Overall size (Std.)	9" x 40"
(Optional)	9" x 46"
T-slots: Number and Size	Three— $\frac{5}{8}$ "
Distance between T-slots	2 $\frac{1}{4}$ "
Handwheel dial graduations	.001"

TRAVELS

Longitudinal (40" Table)	26"
(46" Table)	32"
Cross (Std.)	10"
(Optional)	12"
Vertical — Knee	17"
Quill	5"

THROAT DIMENSIONS

Center of Spindle to Column Face	10 $\frac{3}{4}$ "
Center of Table to Column Face	Min. 5 $\frac{1}{2}$ ", Max. 17"
Spindle Nose to Top of Table	Min. 0", Max. 15 $\frac{3}{4}$ "

HEAD, SPINDLE AND QUILL

Head Tilt (side to side)	360°
Spindle Taper	#9 B and S with $\frac{1}{2}$ "-13 Draw Bar
Spindle Speeds — 8 Speeds	Back Gear Drive 75, 125, 210, 355 Direct Belt Drive 600, 1000, 1675, 2850 RPM
Reverse	Yes
Quill Outside Diameter	3 $\frac{3}{8}$ "
Quill Feeds — 3 Feeds:	.0015", .003", .006" Per Spindle Revolution

MOTORS

Spindle (single speed)	1 HP
Table Feed (optional)	$\frac{1}{4}$ HP
Rapid Traverse (optional)	$\frac{1}{4}$ HP

TABLE POWER FEEDS (Optional)

Longitudinal and Cross	8 Feeds (Std.): $\frac{3}{4}$ ", 1 $\frac{1}{8}$ ", 1 $\frac{3}{4}$ ", 2 $\frac{3}{8}$ ", 3 $\frac{5}{8}$ ", 4 $\frac{3}{4}$ ", 7 $\frac{1}{4}$ " & 9 $\frac{1}{2}$ " per minute (Feeds $\frac{1}{2}$ or double above, to order)
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POWER RAPID TRAVERSE

(Optional) Longitudinal	80" per minute
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BASE DIMENSIONS

Front to Back	37"
Left to Right	24"

FLOOR SPACE

Front to Back	56"
Right to Left (40" Table)	86"
(46" Table)	98"

HEIGHT OVERALL	80"
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SHIPPING WEIGHT (approx.)	2200#
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DESIGN AND SPECIFICATIONS SUBJECT TO CHANGE
WITHOUT NOTICE

SOLD BY:

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