

THEMAC INC.

TOOL POST GRINDERS

...PERFORM DIFFICULT GRINDING JOBS ON ANY SIZE LATHE

Exclusive design provides for precision, dependability and adaptability in performance.

...CUSTOM FINISH

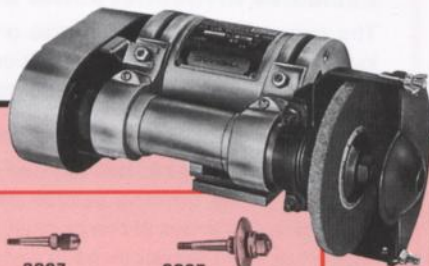
Precise grinding internally and externally. Consistently holds close tolerance.

...REDUCE COSTS

Economical operation and quick set-up. Ideal for small or large shops and tool rooms.

...OFFER VERSATILITY & EASY HANDLING

Lightweight and compact. Can be mounted on any machine tool for most any grinding application.



MODEL J-45

with 2025 Spindle Assembly

Medium duty internal and external grinding. Recommended for lathes with a 12" to 15" swing.

Specifications:

1/2 H.P. Universal Motor AC-DC 115V
Speed Range: 4,200 to 42,000 rpm
Maximum Grinding Wheel Capacity: 5"
Machine Weight: 20 lbs.
Shipping Weight: 26 lbs.

Additional Equipment Included:

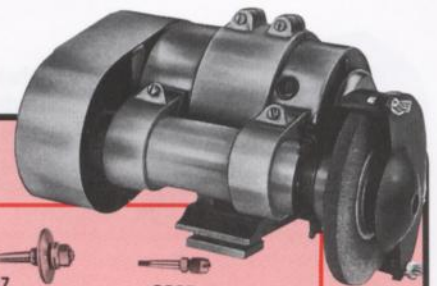
#2067—Extension Spindle for external grinding with 2 each wheel collars 1" & 2"
#2020—Extension Spindle for internal grinding with arbor and 2 wheel collars 3/4"
#2097—1/4" Chuck Extension Spindle with 1/8" collet.

Grinding Wheels (inches):

#265—5 x 3/8 x 1/2 #268—2 1/2 x 1/2 x 1/2
#266—4 x 1/2 x 1/2 #226—1 1/2 x 1/4 x 1/4

Mounted Wheels (inches):

#202—1/4 x 1/4 x 1/8 #267—1 x 1/4 x 1/4
#203—1/2 x 1/4 x 1/8



MODEL J-7

with 945T Spindle Assembly

Heavy duty internal and external grinding. Recommended for lathes with a 13" swing or larger.

Specifications:

1 H.P. Universal Motor AC-DC 115V
Speed Range: 3,900 to 27,000 rpm
Maximum Grinding Wheel Capacity: 6"
Machine Weight: 34 lbs.
Shipping Weight: 56 lbs.

Additional Equipment Included:

#2067—Extension Spindle for external grinding with 2 each wheel collars 1" & 2"
#2020—Extension Spindle for internal grinding with arbor and 2 wheel collars 3/4"
#2097—1/4" Chuck Extension Spindle with 1/8" collet.

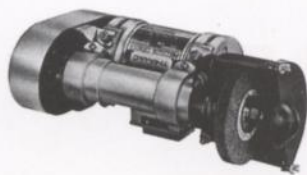
Grinding Wheels (inches):

#966—6 x 1/2 x 3/4 #268—2 1/2 x 1/2 x 1/2
#266—4 x 1/2 x 1/2 #226—1 1/2 x 1/4 x 1/4

Mounted Wheels (inches):

#202—1/4 x 1/4 x 1/8 #267—1 x 1/4 x 1/4
#203—1/2 x 1/4 x 1/8

Two Wheel Collars 2 1/2" to fit directly on Spindle Assembly Arbor.



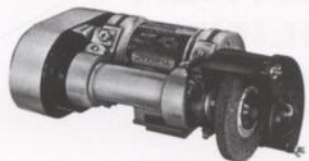
Model No. J-35 with 2025 Spindle Assembly

Medium duty internal and external grinding. Recommended for lathes with 9" to 13" swing.



Model No. J-40 with 445 Spindle Assembly

Medium duty external grinding only. Recommended for lathes with 12" to 15" swing.



Model No. J-30 with 1115 Spindle Assembly

Medium duty external grinding only. Recommended for lathes with 9" to 13" swing.



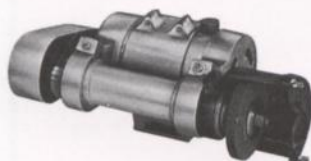
Model No. J-4 with 425 Spindle Assembly

Light duty internal and external grinding. Recommended for lathes with 12" to 15" swing.



Model No. J-3 with 125 Spindle Assembly

Light duty internal and external grinding. Recommended for lathes with 9" to 13" swing.



Model No. J-2A with 1125 Spindle Assembly

Light duty internal and external grinding (mounting bracket clamps grinder directly over tool-post.) Recommended for lathes with 9" to 13" swing.



Model J-2A1 with 1125 Spindle Assembly

Light duty internal and external grinding (mounting bracket offsets grinder over tool-post). Recommended for lathes with 9" to 13" swing.

FEATURES:

Permanent Lubrication

All THEMAC grinders are equipped with grease sealed-for-life ball bearings. No lubrication required.

Mount on any Machine Tool

Although used principally on lathes, exclusive features make THEMAC grinders a natural for mounting on shapers, planers, millers, boring mills, surface grinders or special units. May be operated in vertical or horizontal position.

Exclusive Eccentric Spindle Tube

The eccentric spindle tube provides for positive manual belt adjustment, assuring proper belt tension at all times. The motor and spindle assembly remain parallel under all conditions. The belt tension will not cause misalignment of grinding spindle because the motor and spindle assembly are securely locked in position. There are no springs or hinges to permit side movement when grinder is in operation; thus the possibility of setting up vibration is reduced to a minimum. Pulley alignment can be set so that belts will always remain on pulleys and transmit full power.

Secure Tool Post Clamp Bracket

Grinder attaches directly to top of compound rest. An easily accessible locking device securely locks the clamping nut in T-slot. No overhanging weight to cause vibration.

Exclusive Circumferential Swing

The circumferentially adjustable grinding spindle can be locked and operated in any position within the range of adjustment. The locking arrangement is simple and positive.

Quickly Adjustable to any Lathe Center

THEMAC grinders can be mounted on the smallest bench lathes with the grinding spindle center to lathe center. Through adjustment of the compound rest or by swinging the grinder, any angle can be obtained. The grinding wheel can be placed in front of motor for external and internal grinding, or to the rear of the motor for large diameter external grinding. Wheel can be operated on right or left side.

Each Grinder Includes as Standard Equipment:

- (1) Diamond Dresser
- (1) Wheel Guard
- (1) Belt Guard
- (1) Wrench Set
- (1) Set of Pulleys
- (1) Belt Set
- (1) Carrying Case
- (1) Tee-Bolt Clamp
- (1) Cord with 3-Prong Grounding Plug



405 Railroad Avenue
East Rutherford, New Jersey 07073
201-438-2313

Fax No: 201-438-8647
e-mail: jcremona@themacinc.com
www.tool-post-grinder.com