



## *Model EG-IG-103, Dual Purpose External, Internal Cylindrical Grinder*

\* Box-type well ribbed heavy-duty machine base of high-strength metal castings

\* Machined steel table with vee and flat ways for both table traverse and wheelhead infeed

\* Separate easy to change wheelheads for O.D. and I.D. grinding applications

\* O.D. wheelhead swivels 15° in either direction for easy angular or face grinding

\* I.D. wheelhead swivels 15° in either direction for easy angular or taper grinding. Spindle holder has 3" diameter bore for use with numerous spindle assemblies. Spindle drive motor is mounted on vibration isolating mount to assure vibration free drive.

\* Table traverse is either hydraulic or hand wheel driven. The wheelhead infeed (pick feed) can be automatically operated at either or both ends of the table stroke. Automatic infeed can be set from 0.0001" to 0.0005". Table speed is infinitely variable and is controlled by a simple knob adjustment. The manual hand wheel has two speeds for rapid movement of the table or fine movement for face or bump grinding. Table swivels 5° in either direction for taper adjustment or traverse taper grinding.

\* Adjustable table mounted diamond tool dressing unit for use with both the O.D. and I.D. grinding wheels is provided. Less diamond nib.

\* Precision workhead with through hole, allows a hand wheel attached to the draw bar to operation 5C collets up to 1" in diameter. The spindle nose is tapered, allowing multi-jaw chucks, faceplates, and other chucking accessories to be bayonet mounted for quick, secure and precise attachment.

\* Manual lever operated footstock with manually adjustable pressure and ¾" stroke.



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\* Standard O.O. grinding wheel, 10" O.D. x ¾" wide x 1 ¼" hole, 80J

\* Self-contained coolant system, 15-gallon reservoir, pump unit and plumbing.

\* Sony MagnaScales with digital display for both wheelhead and table slides.

\* Operation and Instruction and Parts Manual.

\* Includes standard 2 year warranty.



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## Specifications

	O.D.	I.D.
<b>Maximum Grind Diameter</b>	3" O.D.	3" I.D.
<b>Distance Between Centers</b>	9.5"	---
<b>Capacity, depth of bore</b>	---	4"
<b>Swing Over Table</b>	9" Dia.	9" Dia.
<b>Table Travel</b>	9.5"	9.5"
<b>Table Speeds, hydraulic</b>	4 to 100 IPM	4 to 100 IPM
<b>Table Swivel</b>	5° CW, 5°CCW	5° CW, 5°CCW
<b>Wheelhead Travel, total</b>	3"	3"
<b>Wheelhead Automatic Pick Feed, Maximum</b>	0.0005"	0.0005"
<b>Wheelhead Automatic Pick Feed, Minimum</b>	0.0001"	0.0001"
<b>Wheelhead Feed Graduations</b>	0.0001"	0.0001"
<b>Wheelhead Swivel</b>	15° CW, 15°CCW	15° CW, 15°CCW
<b>O.D. Grinding Wheel Spindle Speeds</b>	2320 or 2880 PRM	---
<b>O.D. Grinding Wheel Size, standard</b>	10" x ¾" x 1 ¼" Hole	---
<b>O.D. Grinding Wheel Size, maximum</b>	10" x 1" x 1 ¼" Hole	---
<b>Workhead Spindle Speeds</b>	224-475-600	224-475-600
<b>Workhead Swivel</b>	90° CW, 90°CCW	90° CW, 90°CCW
<b>Workhead – Takes 5C Collet</b>	1" Maximum	1" Maximum
<b>Workhead – Takes Step Chuck</b>	3" Maximum	3" Maximum
<b>Workhead – Takes Face Plate</b>	9" Maximum	9" Maximum
<b>Workhead – Takes Jaw Chuck</b>	4" Maximum	4" Maximum
<b>Wheelhead Motor</b>	¾ HP	¾ HP
<b>Workhead Motor</b>	1/8 HP	1/8 HP
<b>Hydraulic Pump Motor</b>	¼ HP	¼ HP
<b>Coolant Pump Motor</b>	1/8 HP	1/8 HP
<b>Coolant Tank Capacity</b>	15 gals.	15 gals.
<b>Hydraulic Tank Capacity</b>	3 gals.	3 gals.
<b>Floor Space Required</b>	45" x 34"	45" x 34"
<b>Machine Weight</b>	2,100 lbs.	2,100 lbs.