



RVC-1500M

Manual Crankshaft Grinder 1.5-Meter

CRANKSHAFT GRINDING MACHINE

 **MADE IN BRAZIL**



Professional crankshaft grinding machine with 59 inches (1500mm) between centers and 21.3 inches (540mm) swing capacity. Electronic speed control 20-100 rpm, 5hp motor for precision shops.



RVC-1500M

MANUAL CRANKSHAFT GRINDER 1.5-METER



Technical Specifications

CAPACITY

Distance between chucks	59.1/20"
Distance table-headstock center	10.5/8"
Max. Swing over table	21.1/4"
Max. offset of centers	3.5/32" x 3/16"
Rest capacity	1" ~ 3.5/32" - 3.5/32" ~ 4.15/16"

WORKHEAD SPINDLE

Rotations - hertz variable frequency	20 ~ 100 rpm's
Table - slow advancement for spin of the steering wheel	1.1/4" /turn

WHEEL HEAD

Grinding wheel speeds	1.150 rpm
Diameter - min.~ max. width grinding wheel	Ø 28" x 3/4" ~ 1.1/2" x Ø 8"
Hand micrometric wheel head feed hand	1/4"/turn

MOTORS

Workhead spindle	0.75 kw
Wheel head	3.73 kw
Cooling pump	0.09 kw

ELECTRIC POWER

Normal electric power	220 volts - 60hz - 3 fases
Motor power	4.57 kw

DIMENSIONS-WEIGHT

Machine Dimensions (Length x Width x Height)	149" x 78" x 74"
Running Machine Dimensions (Length x Width x Height)	204" x 78" x 74"
Maritime packing (Length x Width x Height)	126" x 82" x 74"
Net □ Gross Approx. weight	7.275 lb / 8.378 lb

STANDARD ACCESSORIES

- 01 Grinding wheel Ø 711.20 mm x 19.05 mm x Ø 203.2 mm (28" x 3/4" x 6")
- 01 Grinding wheel flange
- 01 Coolant pump with tank
- 02 Universal chucks Ø 8" with 3 jaws
- 01 Wheel periphery and side truing attachment (without diamond)
- 01 Truing fixture with dial gauge for checking concentricity
- 01 "V" square
- 01 Equipment for continuous gauging with dial indicator - mm
- 02 Steady rest
- 01 Grinding wheel stripper
- 02 Centering points
- 01 Set of service spanners
- 01 Grease gun
- 01 Pair of additional counter weights
- 01 Set of splash guards

OPTIONAL ACCESSORIES

- Grinding wheel - width 3/4" - 1" - 1.1/4" - 1.1/2"
- 01 Grinding wheel balancer with 01 axle
- Flanges
- Diamond
- Steady rest
- 01 Rapid centering support
- 01 Equipment for continuous gauging with dial indicator - mm
- 01 Pieces set to support the machine without vibration
- Technicals specifications subjected to change.



RVC-1500M

MANUAL CRANKSHAFT GRINDER 1.5-METER

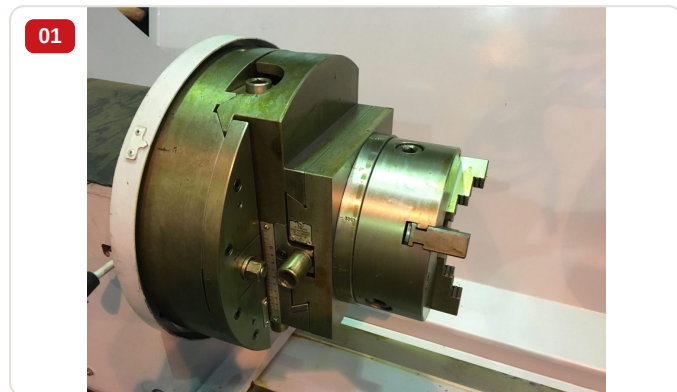


Technical Specifications (continued)

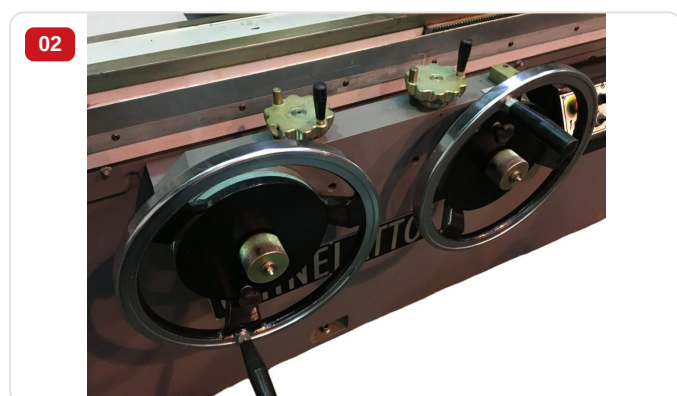
OPTIONAL ACCESSORIES (CONT.)

Specifications subject to change without notice. Some capacities listed may require optional accessories. Confirm exact dimensions during quotation.

ACCESSORIES, FIXTURES AND DETAILS

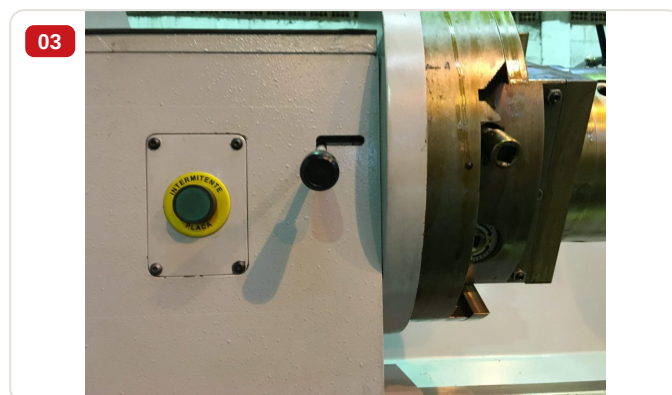


Detail — Universal chuck 8 inch with 3 jaws for crankshaft fixation in grinding machine

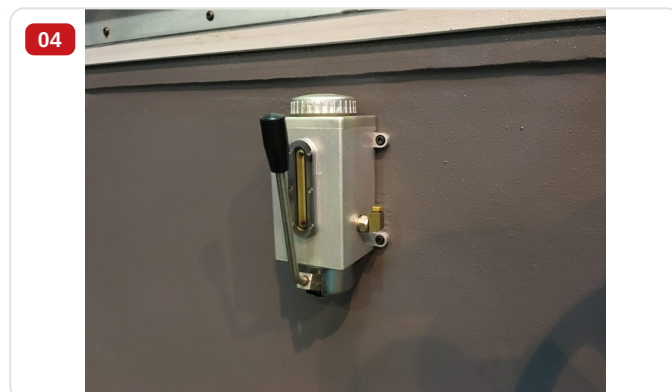


Detail — Table and grinding head advance handwheels in cast iron with central grips

ACCESSORIES, FIXTURES AND DETAILS (CONT.)



Detail — Intermittent plate rotation button on control panel of RVC-1500M crankshaft grinder



Standard accessory — Manual lubrication pump for machine bed with reservoir and level sight glass



Detail — Grinding head advance and counterweight system with manual micrometric handwheel



RVC-1500M

MANUAL CRANKSHAFT GRINDER 1.5-METER



Accessories, fixtures and details (continued)

06



Detail — Bed lubrication distribution system with 7 yellow tubes connected to distributor block

07



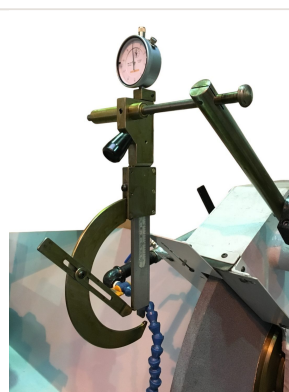
Standard accessory — Bellows protection over the bedway of RVC-1500M crankshaft grinder

08



Detail — Control panel with speed variator for RVC-1500MV grinder, emergency button and rpm controls

09



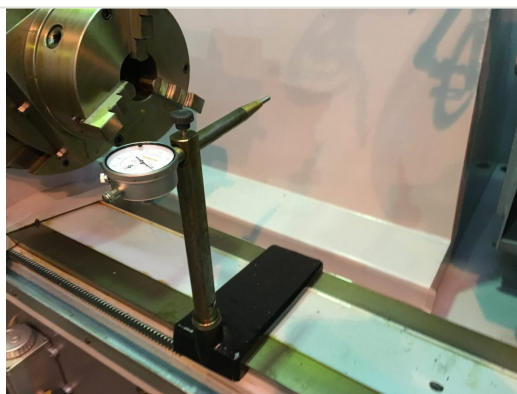
Standard accessory — Continuous measurement device with dial indicator on articulated support for dimensional control on RVC-1500M grinder

10



Detail — Electrical panel with CFW10 controller, contactors and control system for crankshaft grinder

11



Standard accessory — Centering device



+55 (19) 99295-3073



+55 (19) 3446-4545



chinelatto@chinelatto.com.br



chinelatto.com.br





RVC-1500M

MANUAL CRANKSHAFT GRINDER 1.5-METER



Accessories, fixtures and details (continued)

12



Standard accessory — Dresser for grinding wheel reconditioning on RVC-1500M crankshaft grinder

13



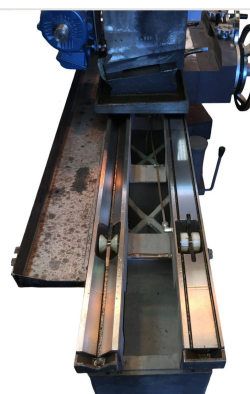
Standard accessory — Cooling reservoir with 0.12 hp electric pump for RVC-1500M crankshaft grinder

14



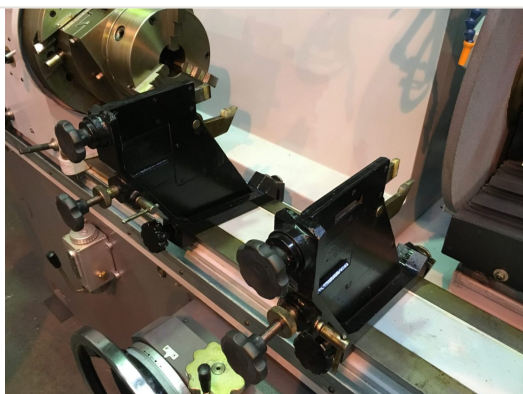
Standard accessory — V-block device for centering connecting rod in cast iron on grinder table

15



Detail — Lubrication rollers - bed with internal ribbing

16



Standard accessory — Steady rests and universal chucks with 3 jaws holding crankshaft in workpiece headstock of RVC-1500M grinder