



MACHINE INDUSTRY
CHINELATTO

TECHNICAL CATALOG
Since 1962 — Limeira (SP) - Brazil

RVC-1000M

Manual Crankshaft Grinder 1-Meter

CRANKSHAFT GRINDING MACHINE

 **MADE IN BRAZIL**



Manual crankshaft grinder for crankshafts up to 39 inches (1000mm) between centers with 17.3 inch (440mm) swing. 3hp motor, 24 inch (609mm) wheel, 0.24 inch (6mm) micro feed. Professional precision.



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Technical Specifications

CAPACITY

Distance between chucks	39.3/8"
Distance table-headstock center	7.7/8"
Max. Swing over table	17,323"
Max. offset of centers	2.61/64" x 13/64"
Rest capacity	2.3/8" ~ 3.9/16"

WORKHEAD SPINDLE

Rotations - hertz variable frequency	40 ~ 100 rpm's
Quick advancement	Manual
Slow advancement for spin of the steering wheel	2.1/2"

WHEEL HEAD

Grinding wheel speeds	1.410 rpm
Diameter - min.~ max. width grinding wheel	Ø 24" x 3/4" ~ 1.1/4" x Ø 6"
Automatic fast wheel	Manual
Hand micrometric wheel head feed hand	1/4"

MOTORS

Workhead spindle	0.375 kw
Wheel head	2.237 kw
Cooling pump	0.089 kw

ELECTRIC POWER

Normal electric power	220 volts - 60hz - 3 ph
Motor power	2.699 kw

DIMENSIONS-WEIGHT

Machine Dimensions (Length x Width x Height)	102" x 63" x 63"
Running Machine Dimensions (Length x Width x Height)	122" x 63" x 63"
Maritime packing (Length x Width x Height)	86" x 59" x 70"

DIMENSIONS-WEIGHT (CONT.)

Net - Gross Approx. weight	2.976 lb / 3.858 lb
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STANDARD ACCESSORIES

- 01 Grinding wheel Ø 609.6 x 19.05 mm x Ø152.4 mm (24" x 3/4" x 6")
- 01 Grinding wheel flange
- 01 Coolant pump with tank
- 02 Universal chuncks Ø 6" 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
- 01 Steady rest
- 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"	01 Grinding wheel balancer with 01 axle
Flanges	Diamond
Steady rest	Grinding wheel stripper
02 Centering points	01 Rapid centering support
01 Equipment for continuous gauging with dial indicator - mm	Technical specifications subjected to change.

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



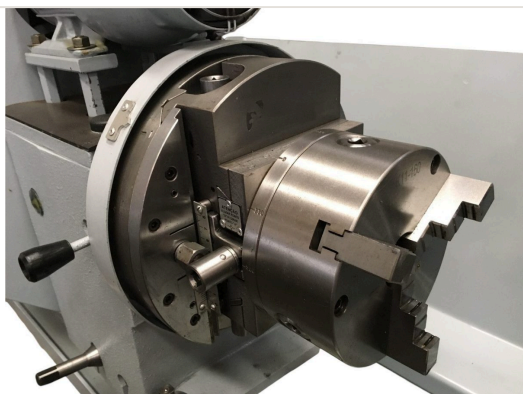
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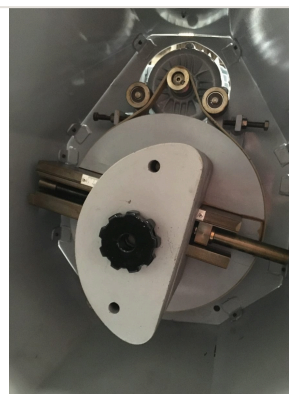
Accessories, fixtures and details

01



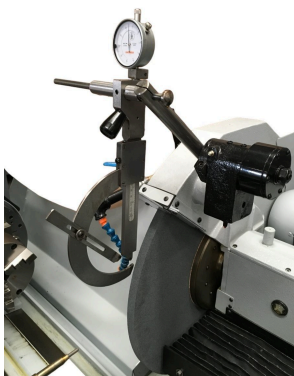
Standard accessory — Crossed Chucks with 3 jaws in cast iron for crankshaft fixation on RVC-1000M grinder

02



Detail — Left headstock drive system with pulleys and adjustment handwheel of RVC-1000M grinder

03



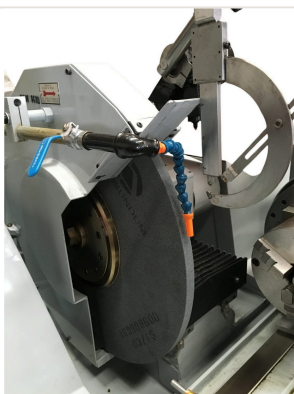
Standard accessory — Continuous measurement device (plunge) with dial indicator for dimensional control on RVC-1000M grinder

04



Detail — Variable rotation speed control panel of RVC-1000 grinder with speed controls and emergency stop

05



Detail — Detail of grinding wheel with fluid cooling system on RVC-1000M crankshaft grinder

06



Detail — Manual movement handwheels in cast iron with handles for feed control of RVC-1000M grinder



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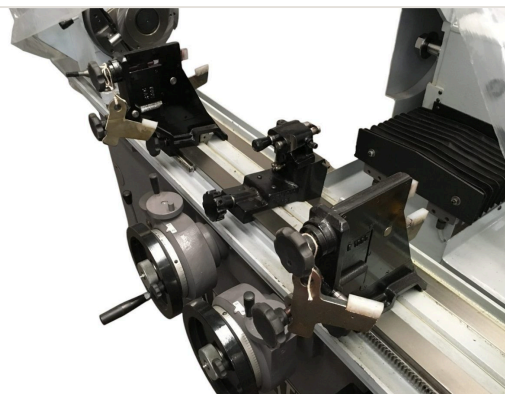
Accessories, fixtures and details (continued)

07



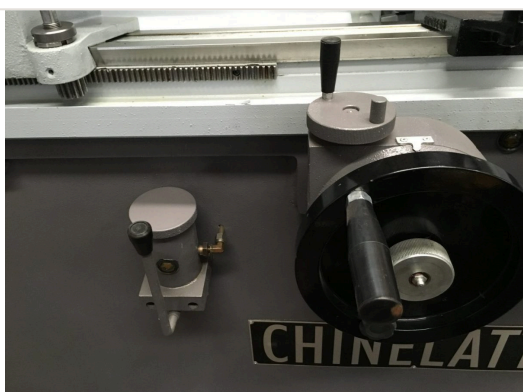
Detail — Grinding wheel slide protection with metal accordion bellows for RVC-1000M grinder

08



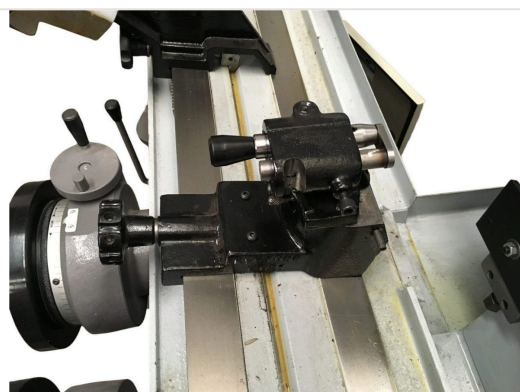
Standard accessory — Support steadies and dresser in cast iron mounted on RVC-1000M crankshaft grinding machine

09



Standard accessory — Guideway lubrication pump with metal reservoir and piping system for RVC-1000M grinder

10



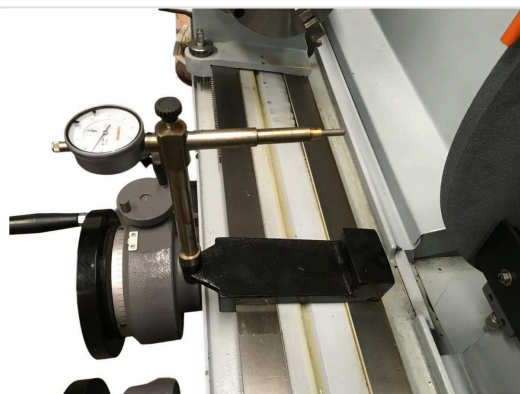
Standard accessory — Dressing device with metallic rollers for grinding wheel conditioning on RVC-1000M grinder

11



Detail — Electrical panel with CFW10 inverter and contactors for RVC-1000M grinder control

12



Standard accessory — Centralizing device with dial indicator for crankshaft centering on RVC-1000M grinder



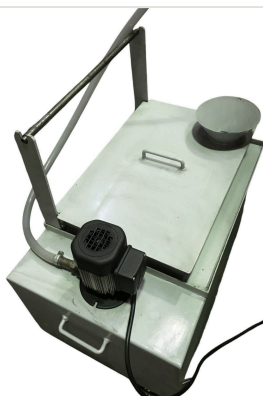
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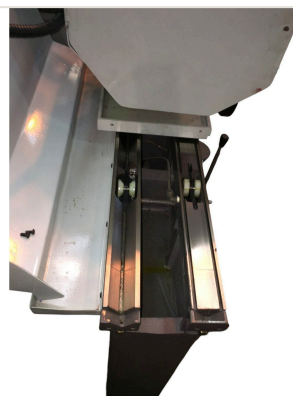
Accessories, fixtures and details (continued)

13



Standard accessory — Coolant reservoir with 21 gallon (80 liter) capacity and circulation pump for RVC-1000M grinder

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Detail — Lubrication rollers for bed ways in cast iron of RVC-1000M Chinelatto grinder

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Detail — Cast iron bed with internal ribbing of RVC-1000M grinder, showing linear guides