



MACHINE INDUSTRY
CHINELATTO

TECHNICAL CATALOG
Since 1962 — Limeira (SP) - Brazil

RVC-1500HVP

Hydraulic Crankshaft Grinder 1.5-Meter

CRANKSHAFT GRINDING MACHINE

 MADE IN BRAZIL



Grinds crankshafts with P4 precision and automatic hydraulic feed. Capacity 59 inches (1500mm) between centers, Ø21.3 inches (540mm) swing, continuous measurement and ribbed cast iron structure.



Technical Specifications

CONSTRUCTION FORM

- Entire structure built in ribbed cast iron.
- Grinding wheel head with automatic hydraulic feed.
- Table with automatic feed via gear motor.
- Cross quick-centering plates.
- Accordion-type guideways protection for the grinding wheel head.
- P4 precision bearings in the crankshaft head spindles.
- Continuous measuring device with 01 blade to speed up operation.

CAPACITY

Distance between universal chucks	59.06 in
Maximum swing diameter	Ø21.26 in
Cross centering movement	3.15 x 0.20 in

CRANKSHAFT HEAD

Center height to table	10.63 in
Variable rotation speeds	20~100 rpm
Automatic table feed speed	118.11 in/min
Universal chuck diameter	Ø7.87 in
Steady rest capacity	Ø0.98 ~Ø4.92 in

GRINDING WHEEL HEAD

Max. diameter of new grinding wheel	Ø28.00 in
Maximum grinding wheel thickness	1.70 in
Minimum grinding wheel thickness	0.67 in
Grinding wheel bore diameter	Ø8.00 in
Grinding wheel rotation speed	1,150 rpm
Grinding wheel head feed speed	78.74 in/min
Total motor power	7.62 hp
Standard electrical supply	220V - 60Hz - 3 phase

GRINDING WHEEL HEAD (CONT.)

Net weight	7,342.7 lbs
Gross weight	8,930.3 lbs
Machine dimensions with packaging	10.83 x 7.22 x 6.89 ft
Floor space in operation	15.75 x 8.20 ft

STANDARD ACCESSORIES

- (01) Grinding wheel - Ø28.00 in x 0.75 x 8.00 in with 01 wheel flange
- (01) Coolant pump with tank
- (02) Universal chucks Ø7.87 in with jaws and keys
- (01) Wheel radius and face dresser (without diamond)
- (01) V-square for centering
- (01) Continuous measuring device with 01 dial gauge in inches
- (02) Support steady rests of 0.28 in and 0.47 in
- (01) Grinding wheel removal wrench
- (02) Center points
- (07) Allen wrenches: (02) 0.31 in; (01) 1/4"; (01) 3/16"; (01) 5/32"; (01) 1/8"; (01) 3/32"; (01) ratchet wrench
- (01) Manual oil lubrication pump
- (01) Grinding wheel carriage counterweight
- (01) Splash guard
- (09) Anti-vibration pads

OPTIONAL ACCESSORIES

- Grinding wheel - Ø28.00 in x thickness: 0.67 x 8.00 in
- Grinding wheel - Ø28.00 in x thickness: 0.75 x 8.00 in
- Grinding wheel - Ø28.00 in x thickness: 1.00 x 8.00 in
- Grinding wheel - Ø28.00 in x thickness: 1.25 x 8.00 in
- Grinding wheel - Ø28.00 in x thickness: 1.50 x 8.00 in



Technical Specifications (continued)

OPTIONAL ACCESSORIES (CONT.)

- Grinding wheel - Ø28.00 in x thickness: 1.70 x 8.00 in
- Wheel flange - "extra"
- Portable crankshaft polisher
- Wheel balancer with 01 dummy shaft
- Coolant filter paper
- Diamond

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

ACCESSORIES, FIXTURES AND DETAILS (CONT.)

03



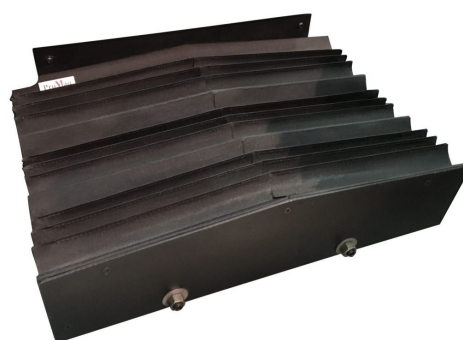
Standard accessory — Lubrication pump

01



Standard accessory — Crossed fast centering plates

04



Detail — Accordion protection wheel head

02



Standard accessory — Hydraulic

05

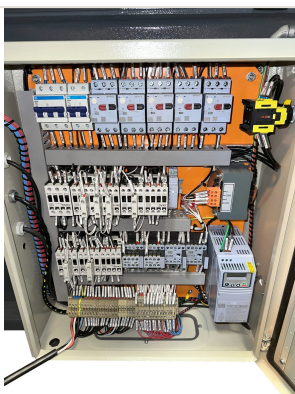


Detail — Grinding head counter weight



Accessories, fixtures and details (continued)

06



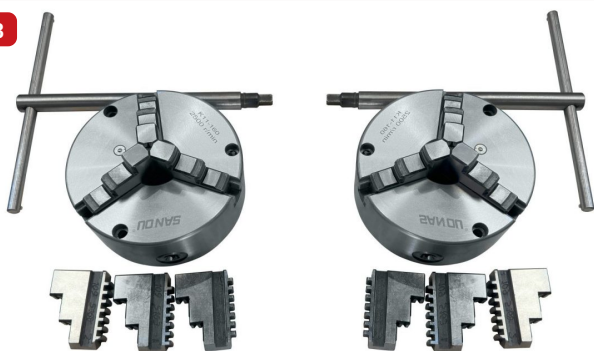
Detail — Electrical panel

07



Standard accessory — Continuous journal sizing gauge

08



Standard accessory — 02 chucks Ø8" with jaws and keys

09



Standard accessory — Crankshaft centering fixture with dial indicator

10



Standard accessory — Grinding wheel Ø28" x 3/4" with 01 flange

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Standard accessory — Crankshaft journal checking square



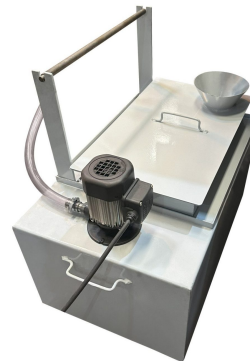
Accessories, fixtures and details (continued)

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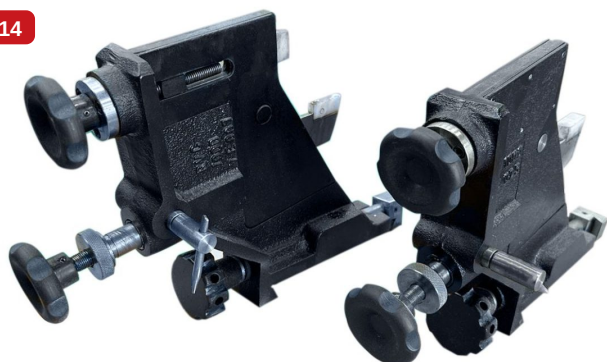
Standard accessory — Wheel face, side and radius dresser without diamond

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Standard accessory — Coolant pump with tank

14



Standard accessory — 02 Steady rest

15



Standard accessory — Addition counter weight

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Standard accessory — 02 Center Points

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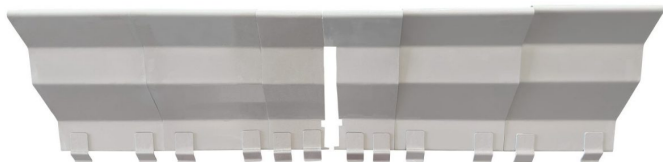


Standard accessory — 09 Anti-vibrators



Accessories, fixtures and details (continued)

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Standard accessory — Splash protection

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Optional accessory — Flanges of grinding wheel

20



Standard accessory — Grinding wheel extraction key

21



Optional accessory — Device for balancing grinding wheel

22



Optional accessory — Grinding Wheel - Ø711mm (24") - espesor:
0.669" - 0.748" - 1.00" - 1.259" - 1.50" - 1.69"

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Optional accessory — Filter paper





RVC-1500HVP

HYDRAULIC CRANKSHAFT GRINDER 1.5-METER



Accessories, fixtures and details (continued)

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Optional accessory — Diamond



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