



MACHINE INDUSTRY
CHINELATTO

TECHNICAL CATALOG
Since 1962 — Limeira (SP) - Brazil

RVC-1000HVP

Hydraulic Crankshaft Grinder 1-Meter

CRANKSHAFT GRINDING MACHINE

 **MADE IN BRAZIL**



Hydraulic crankshaft grinding machine with automatic feed and P4 bearings. Cast iron structure, 39 inches (1000mm) between centers, 24 inches (610mm) grinding wheel. Ideal for specialized shops.



RVC-1000HVP

HYDRAULIC CRANKSHAFT GRINDER 1-METER



Technical Specifications

STRUCTURAL FORM

- All structure built in ribbed cast iron.
- Grinding wheel head with automatic hydraulic advance.
- Table with automatic advance by gear motor.
- Crossed fast centering plates.
- P4 precision bearings in the working head spindles.
- Continuous measuring device of fast operation.

CAPACITY

Distance between chucks	39.370"
Max. swing over table	Ø17.323"
Max. wheel cross movement	2.953" x 0.197"

WORK HEAD SPINDLE

Center height	8.661"
Work spindle speed - rpm	20~80 rpm
Table automatic advancement	127.953 in/min
Chucks diameter	Ø6.299"

GRINDING WHEEL

Wheel size	Ø24"
Max. grinding wheel thickness	1.496"
Min. grinding wheel thickness	0.669"
Inner grinding wheel diameter	Ø8"
Grinding wheel rotation speed	1.410 rpm
Grinding head speed	147.638 in/min
Total motor power	3.5 kw
Electrical tension	220v - 60hz. - 3ph.
Net weight	3.285 lb
Gross weight	4.166 lb
Maritime packing	87" x 65" x 71"
Working area	122" x 65" x 65"

STANDARDS ACCESSORIES

- Crossed fast centering plates
- Hydraulic
- Lubrication pump
- Accordion protection wheel head
- Grinding head counter weight
- Electrical panel
- 02 chucks Ø6" with jaws and keys
- Grinding wheel Ø24" x 3/4" with 01 flange
- Continuous journal sizing gauge
- Crankshaft centering fixture with dial indicator
- Crankshaft journal checking square
- Wheel face, side and radius dresser without diamond
- 02 Steady rest
- 02 Center Points
- Coolant pump with tank
- Addition counter weight
- 04 Anti-vibrators
- Splash protection
- Grinding wheel extraction key

EXTRA ACCESSORIES

- Grinding Wheel - Ø610 mm (24") - espesor: 0.669" - 0.748" - 1.00" - 1.259" - 1.50"
- Flanges of grinding wheel
- Device for balancing grinding wheel
- Filter paper
- Diamond
- Technical specifications subject to change.

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



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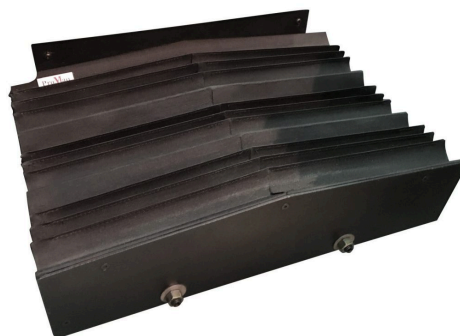
Accessories, fixtures and details

01



Standard accessory — Crossed fast centering plates with 3 hydraulic jaws in cast iron for crankshaft clamping

02



Detail — Accordion protection wheel head

03



Standard accessory — Hydraulic power unit with electric motor and reservoir for crankshaft grinder RVC-1000HVP

04



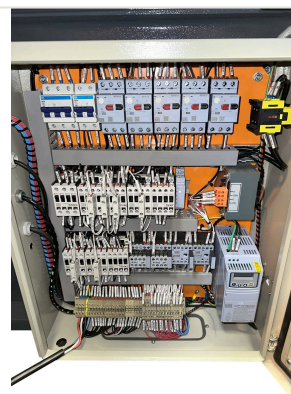
Detail — Grinding head counter weight

05



Standard accessory — Lubrication pump

06



Detail — Internal electrical panel of the RVC-1000HVP with WEG MPW18 circuit breakers, contactors, terminal blocks and WEG CFW300 frequency inverter, operating at 220V three-phase



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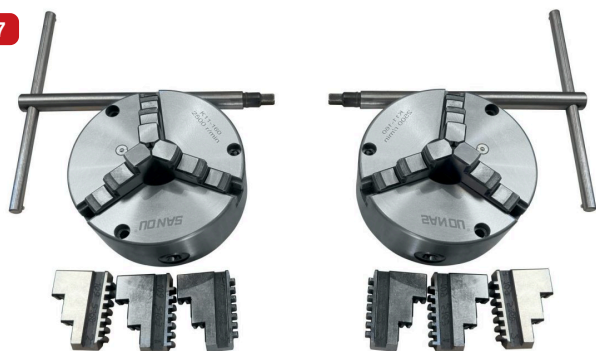
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HYDRAULIC CRANKSHAFT GRINDER 1-METER



Accessories, fixtures and details (continued)

07



Standard accessory — 02 chucks Ø6" with jaws and keys

08



Standard accessory — Crankshaft centering fixture with dial indicator

09



Standard accessory — Grinding wheel Ø24" x 3/4" with 01 flange

10



Standard accessory — Crankshaft journal checking square

11



Standard accessory — Continuous journal sizing gauge

12



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



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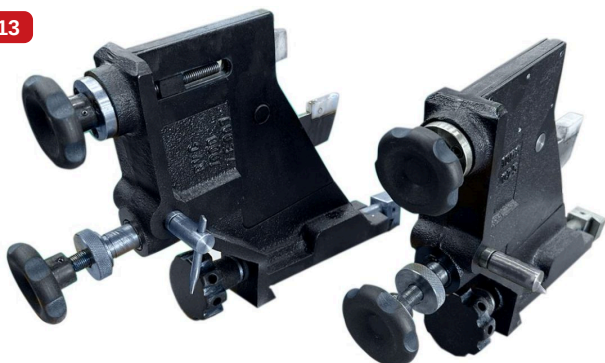
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HYDRAULIC CRANKSHAFT GRINDER 1-METER



Accessories, fixtures and details (continued)

13



Standard accessory — 02 Steady rest

14



Standard accessory — Addition counter weight

15



Standard accessory — 02 Center Points

16



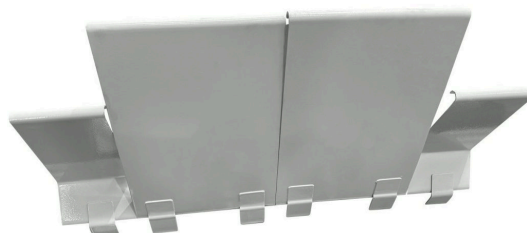
Standard accessory — 04 Anti-vibrators

17



Standard accessory — Coolant pump with tank

18



Standard accessory — Splash protection



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HYDRAULIC CRANKSHAFT GRINDER 1-METER



Accessories, fixtures and details (continued)

19



Standard accessory — Grinding wheel extraction key

20



Optional accessory — Device for balancing grinding wheel

21



Optional accessory — Grinding Wheel - Ø610mm (24") - espesor:
0.669" - 0.748" - 1.00" - 1.259" - 1.50"

22



Optional accessory — Filter paper

23



Optional accessory — Flanges of grinding wheel

24



Optional accessory — Diamond