



MACHINE INDUSTRY
CHINELATTO

TECHNICAL CATALOG
Since 1962 — Limeira (SP) - Brazil

RVC-1800HVP

Hydraulic Crankshaft Grinder 1.8-Meter

CRANKSHAFT GRINDING MACHINE

 **MADE IN BRAZIL**



Hydraulic crankshaft grinder with automatic feed and continuous measurement. Cast iron structure, P4 bearings, 70.9 inches (1800mm) center distance, swing up to 21.3 inches (Ø540mm). Professional precision.



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	70.866"
Max. swing over table	Ø21.259"
Max. wheel cross movement	3.149" x 0.196"

WORK HEAD SPINDLE

Center height	10.629"
Work spindle speed - rpm	20~100 rpm
Table automatic advancement	118.110 in/min
Chucks diameter	Ø7.874"
Steady rest - range	Ø1" ~ Ø4.921"

GRINDING WHEEL

Wheel size	Ø28"
Max. grinding wheel thickness	1.692"
Min. grinding wheel thickness	0.669"
Inner grinding wheel diameter	Ø8"
Grinding wheel rotation speed	1.150 rpm
Grinding head speed	78.740 in/min
Total motor power	5.68 kw
Electrical tension	220v - 60hz. - 3ph.
Net weight	8.708 lb
Gross weight	10.582 lb
Maritime packing	153" x 87" x 83"
Working area	232" x 98"

STANDARDS ACCESSORIES

- Crossed fast centering plates
- Hydraulic
- Lubrication pump
- Accordion protection wheel head
- Grinding head counter weight
- Electrical panel
- 02 chucks Ø8" with jaws and keys
- Grinding wheel Ø28" 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
- 09 Anti-vibrators
- Splash protection
- Grinding wheel extraction key

EXTRA ACCESSORIES

- Grinding Wheel - Ø711mm (28") - espesor: 0.669" - 0.748" - 1.00" - 1.259" - 1.50" - 1.69"
- 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.



RVC-1800HVP

HYDRAULIC CRANKSHAFT GRINDER 1.8-METER



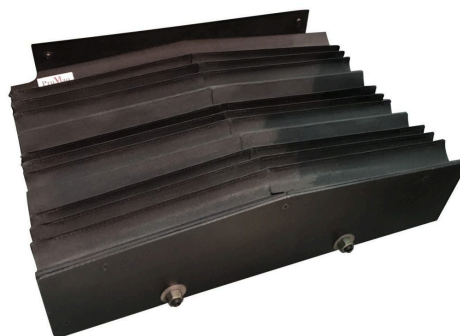
Accessories, fixtures and details

01



Standard accessory — Crossed fast centering plates

02



Detail — Accordion protection wheel head

03



Standard accessory — Hydraulic

04



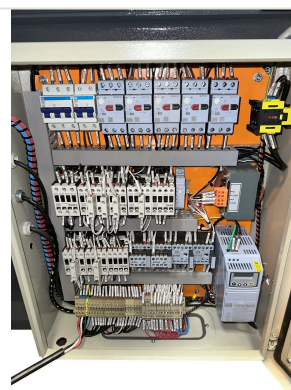
Detail — Grinding head counter weight

05



Standard accessory — Lubrication pump

06

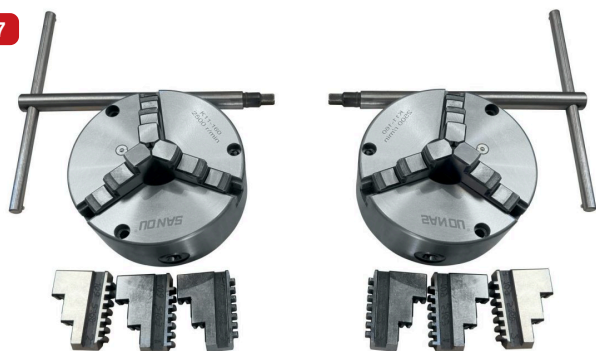


Detail — Electrical panel



Accessories, fixtures and details (continued)

07



Standard accessory — 02 chucks Ø8" with jaws and keys

08



Standard accessory — Crankshaft centering fixture with dial indicator

09



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

10



Standard accessory — Crankshaft journal checking square

11



Standard accessory — Continuous journal sizing gauge

12

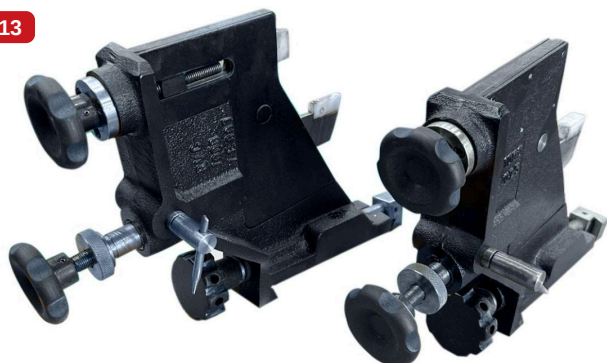


Standard accessory — Wheel face, side and radius dresser without diamond



Accessories, fixtures and details (continued)

13



Standard accessory — 02 Steady rest

14



Standard accessory — Addition counter weight

15



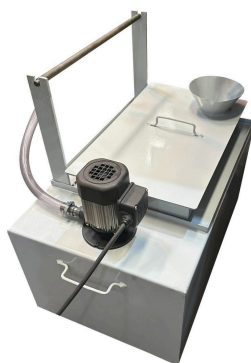
Standard accessory — 02 Center Points

16



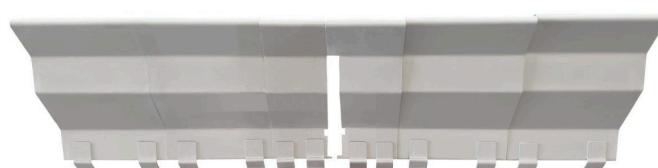
Standard accessory — 09 Anti-vibrators

17



Standard accessory — Coolant pump with tank

18



Standard accessory — Splash protection



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 - Ø711mm (24") - espesor:
0.669" - 0.748" - 1.00" - 1.259" - 1.50" - 1.69"

22



Optional accessory — Filter paper

23



Optional accessory — Flanges of grinding wheel

24



Optional accessory — Diamond