



MACHINE INDUSTRY
CHINELATTO

TECHNICAL CATALOG
Since 1962 — Limeira (SP) - Brazil

FP - 3000 CM X 1.500

CNC Portal Milling Machine FP-3000CM x 1500

CNC GANTRY MILLING MACHINE

 MADE IN BRAZIL



High-precision CNC portal milling for large workpieces up to 3000X1500MM travel. Advanced Z-axis positioning 150-850MM for heavy-duty machining operations



FP - 3000 CM X 1.500

CNC PORTAL MILLING MACHINE FP-3000CM X 1500



Technical Specifications

STROKE

X-axis - longitudinal	118.11 in
Y-axis - transversal	59.06 in
Z-axis - vertical	5.91 to 33.46 in

RAPID FEED SPEEDS

X - Y - Z axes - maximum	32.81 ft/min
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MILLING HEAD

Variable rotation speeds - 1st range of rotations via gear drive	100 to 500 rpm
2nd range of rotations via synchronous belt	500 to 3,000 rpm
Spindle shaft: cone	ISO 50
Distance from spindle face to table - min. ~ max	5.91 ~ 33.46 in
Motor power	14.8 hp (11.25 kW)
Balance	via hydraulic cylinders and nitrogen accumulator

TABLE

Useful dimensions	118.11 x 39.37 in
Estimated capacity of distributed weight on table	11023.1 lbs

SERVO MOTORS - POWER

Cnc control	Fagor 8037
Joystick type handwheel	included
Approximate weight	17637.0 lbs
Space required for operation	29.53 x 9.84 x 13.12 ft
Electrical - normal voltage installed	380 volts - 60 hz - 3 phases

STANDARD EQUIPMENT

- Enclosure with 2 doors at the ends of the X-axis and 2 doors front and opposite to operator

STANDARD EQUIPMENT (CONT.)

- Telescopic protection for X-axis linear guides
- Bellows protection for Y-axis linear guides
- Cooling electric pump 1.100W. Tank capacity 700 liters
- Automatic lubrication pump for linear guide shoes
- Nitrogen accumulator for milling head balance
- Illumination lamp
- Tool change system via draw-bar

OPTIONAL EQUIPMENT

- Angular sub-head, for machining from 0° to 90°, manual positioning
- Angular sub-head for machining at 90°
- Probe brand Renishaw with connection cables and interface
- Voltage transformer from 380volts to 220volts
- Table type 4th CNC axis Ø15.75 in with servo motor 6.5 ft-lb., universal plate Ø9.84 in., manual tailstock and locking
- Technical Specifications Subject to Changes

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