



MACHINE INDUSTRY
CHINELATTO

TECHNICAL CATALOG
Since 1962 — Limeira (SP) - Brazil

FP - 4000 CM X 1.500

CNC Portal Milling Machine FP-4000 CM X 1500

CNC GANTRY MILLING MACHINE

 MADE IN BRAZIL



High-precision CNC portal milling machine with 4000X1500MM capacity. Delivers superior machining accuracy for heavy-duty industrial applications



FP - 4000 CM X 1.500

CNC PORTAL MILLING MACHINE FP-4000 CM X 1500



Technical Specifications

STROKE

X Axis - longitudinal	157.48 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 rotation range via gear drive	100 to 500 rpm
2nd rotation range via timing belt	500 to 3,000 rpm
Spindle shaft: taper	ISO 50
Distance spindle face to table - min. ~ max.	5.91 ~ 33.46 in
Motor power	14.8 hp (11.25 kW)
Counterbalance	via hydraulic cylinders and nitrogen accumulator

TABLE

Useful dimensions	157.48 x 39.37 in
Estimated capacity of distributed weight on table	13230.0 lbs

SERVO MOTORS - POWER

Cnc control	Fagor 8037
Joystick type handwheel	included
Approximate weight	17640.0 lbs
Space required for operation	39.37 x 9.84 x 13.12 ft
Electrical - standard installed voltage	380 volts - 60 hz - 3 phases

STANDARD EQUIPMENT

- Enclosure with 2 doors at the ends of X axis and 2 doors in front and opposite to operator;
- Telescopic protection for X axis linear guides;

STANDARD EQUIPMENT (CONT.)

- Bellows protection for Y axis linear guides;
- Coolant electric pump 1,100W. Tank capacity 700 liters;
- Automatic lubrication pump for linear guide shoes;
- Nitrogen accumulator for milling head counterbalance;
- 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°;
- Renishaw probe with connection cables and interface;
- Voltage transformer from 380volts to 220volts;
- 4th axis CNC table Ø15.75in. with servo motor 65.3 ft-lb, universal chuck Ø9.84in., 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.