



MACHINE INDUSTRY
CHINELATTO

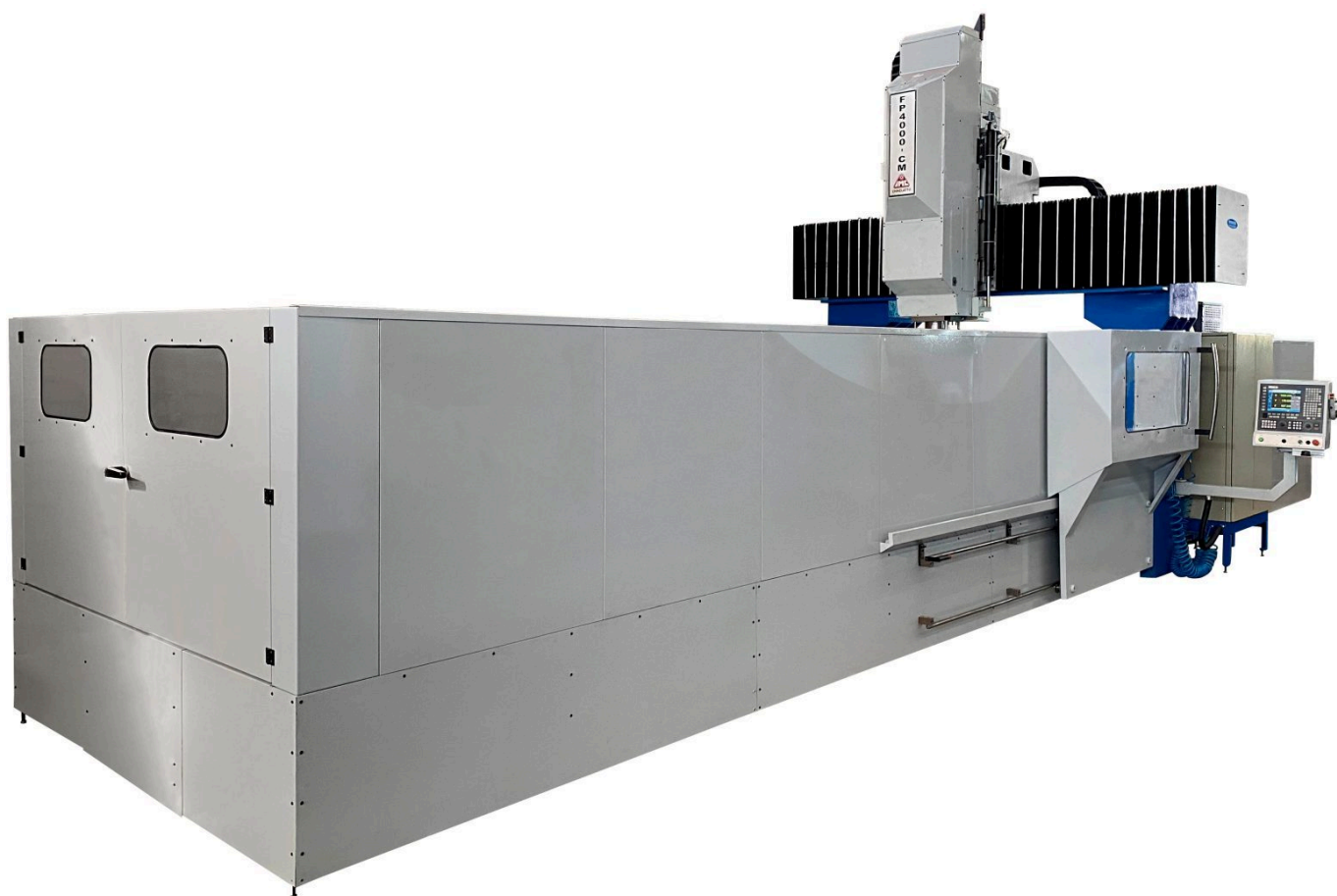
TECHNICAL CATALOG
Since 1962 — Limeira (SP) - Brazil

FP - 4000 CM X 2200

CNC Portal Milling Machine Plunge Head FP-4000 CM X 2200

CNC GANTRY MILLING MACHINE

 **MADE IN BRAZIL**



Heavy-duty CNC portal milling for large workpieces with 4000X2200X900MM capacity. Reinforced cast iron structure ensures precision machining



Technical Specifications

CONSTRUCTION TYPE

- Reinforced Structure. Base, table, columns, crossbeam and headstock in normalized GG25 cast iron;
- Reinforced linear guides for longitudinal, vertical and transverse axis movements
- Telescopic guards on the base and bellows-type guards on the crossbeam

TRAVEL

X Axis - longitudinal	157.48 in
Y Axis - transverse	86.61 in
Z Axis - vertical	42.13 in

RAPID FEED SPEEDS

X - Y - Z Axes - maximum	39.37 ft/min
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MILLING HEAD

Variable rotation speeds - 1 range	50 to 6,000 rpm
Spindle shaft: taper	ISO 50
Distance from spindle face to table - min. ~ max.	7.09 ~ 42.52 in
Distance from spindle center to column	19.29 in
Spindle Motor	29.5 / 44.3 hp

TABLE

Useful dimensions	157.48 x 47.24 in
Estimated distributed load capacity on the table	19,845.0 lbs

SERVO MOTORS - POWER

CNC control:	Fagor 8055
Joystick-type handwheel	included
Approximate weight	34,177.5 lbs
Operating floor space required	39.37 x 14.76 x 14.76 ft

SERVO MOTORS - POWER (CONT.)

Electrical - standard installed
voltage

380 volts - 60 Hz - 3
phases

STANDARD EQUIPMENT

- Simple chip guard;
- Telescopic guard for X axis linear guides;
- Bellows-type guard for Y and Z axis linear guides;
- Coolant electro-pump 1,100W. Tank capacity 700 liters;
- Automatic lubrication pump installed on the machine;
- Nitrogen accumulator for milling head counterbalance.

OPTIONAL EQUIPMENT

- Angular sub-head adaptable to the milling head for machining from 0° to 90°;
- Angular sub-head adaptable to the milling head for machining at 90°;
- Full sheet metal enclosure with 2 sliding doors;
- Positioning probe brand "RENISHAW", with connection cable and interface;
- Voltage transformer from 380 volts to 220 volts;
- FAGOR brand digital readout scales for X-Y-Z axes;
- Machining tools;
- 4th CNC axis rotary table Ø 15.75 in with servo motor 6.56 ft-lb, Ø 9.84 in universal chuck, manual tailstock and clamping.

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



FP - 4000 CM X 2200

CNC PORTAL MILLING MACHINE PLUNGE HEAD FP-4000 CM X 2200



Accessories, fixtures and details

01



Detail — CNC portal milling machine FP-4000 machining complex metal part with 157x87x35 inch travel

02



Detail — Sculptural mold machining on CNC portal milling machine FP-4000 with 157x47 inch table

03



Detail — Complex metal part being milled on CNC portal milling machine FP-4000 CM during industrial operation