

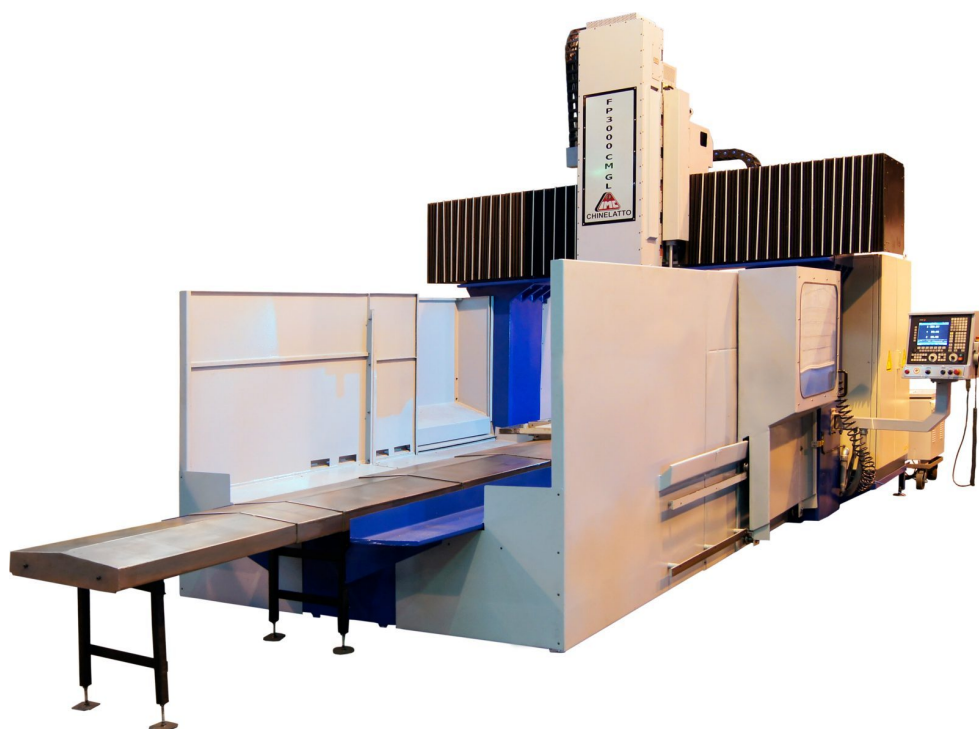


FP - 3000 CM X 2200

CNC Portal Milling Machine FP-3000 CM X 2200

CNC GANTRY MILLING MACHINE

 **MADE IN BRAZIL**



OTHER VIEWS



CNC portal milling machine FP-3000 with 118x39 inch (3000x1000 mm) table and cast iron structure



CNC portal milling machine FP-3000 Chinelatto with cast iron structure and 118x39 inch table



Standard accessory — FAGOR CNC control panel with coordinate display and keypad for FP-3000 portal milling machine

Machines large industrial parts with precision. Heavy-duty cast iron GG25 structure, 3000X2200MM working envelope for aerospace and tooling



FP - 3000 CM X 2200

CNC PORTAL MILLING MACHINE FP-3000 CM X 2200



Technical Specifications

CONSTRUCTION METHOD

- Reinforced Structure. Base, table, columns, crossbeam and headstock in normalized GG25 cast iron
- Reinforced linear guides for displacement in longitudinal, vertical and transverse axes
- Telescopic protections on base and bellows on crossbeam

STROKE

X Axis - longitudinal	118.11 in
Y Axis - transverse	86.61 in
Z Axis - vertical	42.12 in

RAPID FEED SPEEDS

X - Y - Z axes - maximum	39.37 ft/min
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MILLING HEADSTOCK

Variable rotation speeds - 1 range	50 to 6000 rpm
Spindle axis: taper	ISO 50
Distance spindle face to table - min. ~ max.	7.09 ~ 42.52 in
Distance spindle center to column	19.29 in
Balance	via hydraulic cylinders and nitrogen accumulator
Spindle Motor	29.5/44.3 hp

TABLE

Useful dimensions	118.11 x 39.37 in
Estimated capacity of distributed weight on table	17640.0 lbs

SERVO MOTORS - POWER

Cnc control	Fagor 8055
Joystick type handwheel	included

SERVO MOTORS - POWER (CONT.)

Approximate weight	30864.0 lbs
Space occupied for operation	32.81 x 14.76 x 14.76 ft
Electrical - normal installed voltage	380 volts - 60 hz - 3 phases

STANDARD EQUIPMENT

- Simple protection against chips
- Telescopic protection for X axis linear guides
- Bellows protection for Y and Z axes linear guides
- Cooling electric pump 1100W. Tank capacity 700 liters
- Automatic lubrication pump installed on machine
- Nitrogen accumulator for milling headstock balance

OPTIONAL EQUIPMENT

- Angular sub-headstock adaptable to milling headstock for machining from 0° to 90°
- Angular sub-headstock adaptable to milling headstock for machining at 90°
- Complete sheet metal enclosure with 02 mobile doors
- Probe for positioning registration RENISHAW brand, 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
- CNC 4th axis type table Ø15.75 in with servo motor 5.4 ft-lb, universal chuck 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.



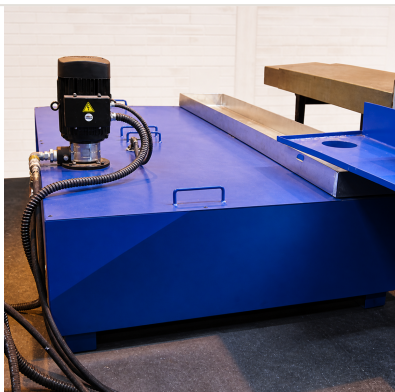
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Accessories, fixtures and details

01



Standard accessory — Coolant tank of the CNC gantry milling machine FP-3000

02



Detail — Metal workpiece being machined on FP-3000 portal CNC milling machine with active coolant

03



Detail — CNC portal milling machine FP-3000 machining cast iron mold with human figure in relief on table

04



Detail — Machined aluminum mold with human figure cavities on CNC portal milling machine FP-3000 table

05



Detail — Machining being done by the CNC Gantry Milling Machine FP-3000

06



Detail — Cast iron metal part being machined on FP-3000 portal CNC milling machine



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