

C4 Vertical Machining Center

C4 VERTICAL MACHING CENTER , 4 METER WITH 11 TOOL CHANGER

The C4 vertical machining center is a computer numerically controlled vertical router for Aluminum, PVC, Fiberglass and steel capable of working on 3 sides of the profile. Pneumatic tilting working table: +90°/0°/-90°, intermediate angles are obtained by mechanical stops, optional CNC controlled electronic rotation is available upon request. Spindle speed adjustment from 2800 to 18000 rpm is controlled by a frequency inverter. Computer Numerically Controlled positioning of X and Y. Axis' X, Y and Z movements utilize brushless motors. The unit comes complete with 4 pneumatic double acting clamps for material fixturing and an automatic tool changer. Software compensated tool diameter correction. Left and right profile zero stops, pneumatically actuated. Milling dimensions: X= 4000 mm Y= 200 mm Z= 180mm. Perimeter protection for safety, optional.

The C4 is equipped with a fixed tool magazine that can hold up to 11 tools. A retractable enclosure protects tools from chips and dust produced during the machining process.

AVAILABLE:

With 180° pneumatically rotating work table and tool changer

With 180° electronically rotating work table and tool changer

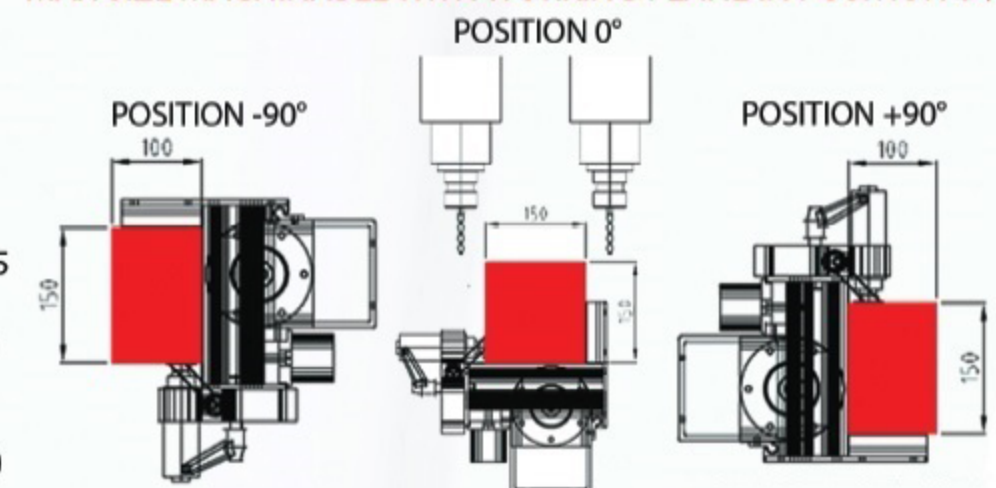


COMPONENTS SUPPLIED:

- N.1 HSD model ES330 Electrospindle 4,5 Kw- 0/18.000 rpm
- N.6 Manual Positioning Clamps
- N.1 Oil Sprayer Lubrication on the Electrospindle
- Single Zone Working
- Fast & Easy Changing ISO 30 Tool System
- Manual Slides Greasing
- Cooling System by Electric Fan
- Numerical Control
- Touch Screen
- PC with Monitor
- Hard Disk 80 Gb capacity
- Serial and Parallel Interfaces for Online Connection, Barcode Scanner, Modem and Label Printer
- Operator Console on the Machine
- Air Gun and Feel Spiral Plastic Pipe
- Service Spanner for Tool Holders
- Machine Documentation/ Manuals
 - CE Certificate
 - User and Maintenance Manual
 - CNC Manual
 - Operator Manual
 - Electric and Pneumatic Drawings
- 11 Tool Positions
- 2 Zero Setting Points Pneumatic Actuation
- Safety System with Opti-electronic Barriers
- CNC Controlled Automatic Tool Changer
- Program Language ISO Standard from DXF to Macro (WinCNC and ECAD)
- Communication Service for Remote Control by Ethernet or WIFI Connection

Axis X	4000 mm (157 in.)	Number of Stops Reference	2 pneumatic standard
Speed	70 m/min(227 ft/min)	Clamps	6 manual
Axis Y	536 mm (21 in.)	Automatic Clamp	Pneumatic by carriage
Axis Z	248 mm (9.76 in.)	Positioner	
Axis I	180°	Power and Independent Clamps (optional)	CNC Controlled
Spindle Motor			
Speed	18000 RPM	Cooling System	Electric fan
Power	4,5 Kw (6.3 Hsp)	Tool Lubrication	1 on the spindle
Tools		Tank Capacity	5 Litres (1.3 Gal)
Number of Tools	11	Operating Pressure	7 bar (100 psi)
Tool Holder	ISO 30	Compressed Air Consumption	35 l/min (1.2 cfm)
Dimension		Max. current drawn @ 400V	8 Kw
Length	± 3220 mm (126 in.)	Amperage	16 A
Width	± 2080 mm (82 in.)	Bearing Lubrication	Manual
Height	± 1800 mm (71 in.)	Machinable Max Size with working plane at 0°	180 x 200 x 4000mm (7x7x157 in.)
A axis Rotation	-90°/0°/-90° (Servo Optional)	Work piece size on 3 faces	150 x 200 x 4000mm (6x8x157 in.)
Max Speed Axis	X=69m/min, Y 45m/min, Z 25m/min		
	21 ft/min 146 ft/min 81 ft/min		
Rotation Speed	I=3 m/min (10 ft/min)		
Max Milling Tool Diameter	160mm (6.3 in.)		

MAX SIZE MACHINABLE WITH WORKING PLANE IN POSITION 0°/+90°/-90°



OPTIONS:

- Clamp kit
- Automatic tool measurement
- Front protection
- Tool Kit:
 - N.5 Tool Holders ISO 30 with collet ER 16- ER25
 - N.5 Milling tool D.5/6/8/10
- End Milling Kit for System ISO 30 complete with:
- Tool holder ISO 30 ER 32 with jaw D. 20 mm
- Milling tool holder circular
- Counter-Balanced Threading Tap ISO 30 M3-M10
- Automatic positioning of the clamps on CNC

