

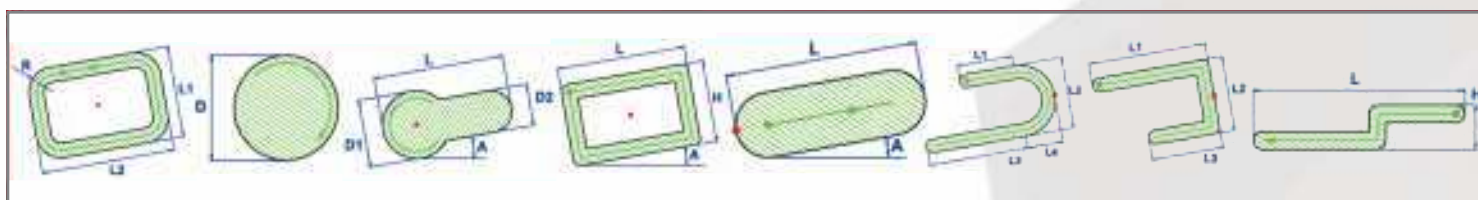
C3S VERTICAL MACHINING CENTER 3 METER

The C3S is a numerically controlled vertical router for Aluminum, PVC, Fiberglass and steel, capable of working on 3 sides of the profile. Pneumatic tilting working table: $+90^{\circ}/0^{\circ}/-90^{\circ}$, intermediate angles are obtained by mechanical stops.

Spindle speed adjustment from 3000 to 15000 rpm is controlled by a frequency inverter.

Numerically Controlled interpolation 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. Software compensated tool diameter correction. Left and right profile zero stops. Milling dimensions: X= 3000 mm Y= 150mm Z= 150mm. Perimeter protection for safety, optional.

TS7005 TouchScreen control allows for remote assistance and importation of DXF files for ease of programming.



C3S VERTICAL MACHINING CENTER

COMPONENTS SUPPLIED

- HSD ES330 4.5 kW 2800-18000 RPM electrospindle
- N.4 Manual positioning clamps
- N.1 Oil sprayer lubrication on the electrospindle
- Fast & easy changing ISO30 tool system
- Cooling system by electric fan
- Numeric control
- PC with monitor
- Mouse and keyboard
- Windows 10 Operative System
- Serial and Ethernet interface for connection with barcode reader and LAN
- Operator console separated from the machine
- Control panel on the machine
- Air gun and feel spiral plastic pipe
- Service spanner for cones
- Machine documentation
- CE Certificate
- User and Maintenance manual
- CNC Manual
- Electrical and Pneumatic Drawings
- Safety system with opto-electronic barriers
- ISO Standard programming language and from DXF to Macro
- Communication system for remote control with Ethernet or Wi-Fi connection

Axis X	3050 mm
Axis Y	410 mm
Axis Z	300 mm
Axis I	180°
Spindle Speed	280-18000 RPM
Spindle Power	4,5 kW (8 kW on request)
Max Axis Speed	X=40 m/min
	Y=40m/min
	Z=20 m/min
	I= 120°/s
Max Milling Tool Diameter	160 mm
Dimensions	
Length	5150 mm
Width	2400 mm
Height	2000 mm

Tool Holder	ISO30
Tool changer	11 positions (on request)
Number of Stops Reference	2
Clamps	4 manual
Automatic Clamps	Moved by Spindle (on request)
Cooling System	Electric Fan
Tool Lubrication	1 on the Spindle
Oil Tank Capacity	5 liters
Operating Pressure	7 bar
Air Consumption	35 NI/min
Power at 400 V	8 kW
Amperage	20 A
Machinable Max Size	200x180x4000 mm

OPTIONS

- Electronic rotation of the working table
- Automatic tool changer with 6 positions
- Tool height measurement system
- Frontal protection
- Full cabin
- Clamp kit
- Tools kit:
 - N.5 ISO30 ER32 tool holders
 - N.5 milling cutters
- End milling kit for ISO30 complete with:
 - ISO30 tool holder for end mill
 - End mill d.160 mm
- Counter-balanced threading tap ISO30 M3-M10
- Automatic positioning of the clamps managed by the CNC

