



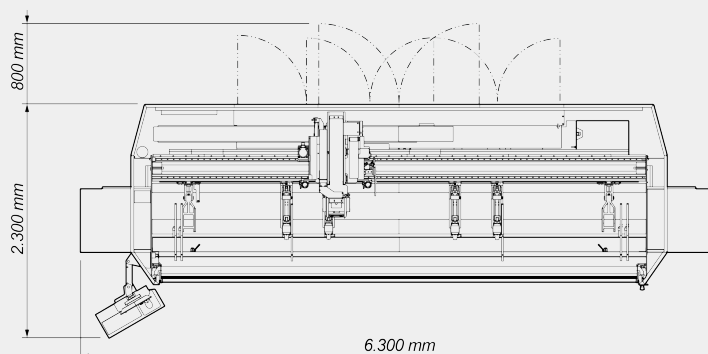
PHANTOMATIC S4 FIRST EDITION

CABINET MACHINING CENTERS



CNC machining centre, with 4 controlled axes, designed for machining bars or parts made of aluminium, PVC, light alloys in general or steel up to 2 mm. It is provided with an 8-place tool magazine, with provision for accepting one angular unit and a side milling cutter, in order to be able to machine on 5 faces of the workpiece. Works bars up to 8 m long, using the optional extended machining function. The 4th NC axis allows the electrospindle to rotate from -15° to +195° and position itself at any intermediate angle. The machine can therefore perform machining operations on the top and side faces of the profile at any angle within the range. All CNC axes are absolute and do not require resetting upon restarting the machine. Moreover it is equipped with a movable work plane which facilitates workpiece loading/unloading and considerably increases the machinable section.



**PHANTOMATIC S4 FIRST EDITION / CABINET MACHINING CENTERS****LAYOUT****AXIS STROKES**

X AXIS (longitudinal) (mm)	4.000
Y AXIS (transversal) (mm)	340
Z AXIS (vertical) (mm)	450
A AXIS (electrospindle rotation)	-15° ÷ +195°

ELECTROSPINDLE

Maximum power in S1 (kW)	7
Maximum speed (rpm)	20.000
Maximum torque (Nm)	6,7
Toolholder cone	HSK - 50F
Automatic tool holder coupling	●
Cooling with heat exchanger	●
Rigid tapping	●

AUTOMATIC TOOL MAGAZINE ON BOARD THE GANTRY

Maximum number of magazine tools	8
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Included ● Available ○



**FUNCTIONS**

Multi-piece operation (only with two reference stops)	●
Basic multi-step machining - up to 5 steps	●
Extended machining, up to twice the maximum nominal length in X (only with two reference stops)	●
Tool integrity control with life cycle management and dynamic tool replacement	●
Tool measurement, presetting verification and correction of tool parameters	●
Automatic workpiece length measuring on board	●

WORKABLE SIDES

With direct tool (upper face and side faces)	3
With angle machining head (heads)	2
With blade tool (upper face, side faces and heads)	1 + 2 + 2

TAPPING CAPACITY (with Tap On Aluminium And Through Hole)

With compensator	M8
Stiff (optional)	M10

PROFILE POSITIONING

Workpiece reference LEFT stop with pneumatic movement	●
Workpiece reference RIGHT stop with pneumatic movement	●

WORKPIECE LOCKING

Standard number of vices	4
Automatic vice positioning through X axis	●

SAFETY DEVICES AND PROTECTIONS

Machine integral protection booth	●
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Included ● Available ○

