



Features

T3 Series – 3 axis machining

X4 Series – 4 axis machining

High torque electro-spindles

4 or 8 slot tool holders with quick tool change

Automatic rapid and precise clamping

Working length of 4.3m (T3)

15" touch panel interface

User friendly and intuitive software

Phantomatic T3A



Automatic & precise clamping system

The Phantomatic series of CNC machining centres from Emmegi offer versatile automatic machining of profiles in aluminium, light alloys, PVC, and steel profiles up to 3mm in thickness.

These high quality Italian made machines with many options and configurations available, are ideal for aluminium window & door fabricators, shop and commercial interior fitting firms.

The T3 machines offer 3 axis machining with a rotary work table.

The X4 machine offers a 4th axis allowing the high speed spindle to rotate continuously from 0° to 180° along the entire contour of the work piece.

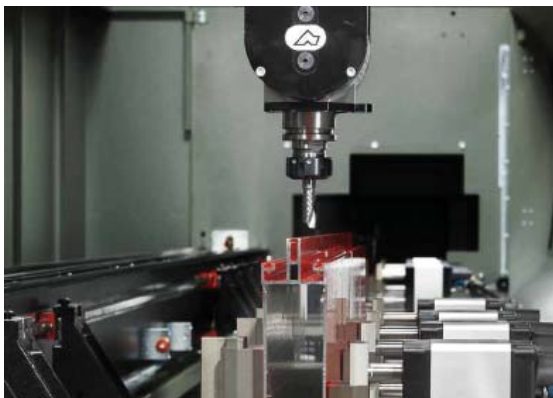
Power and Agility

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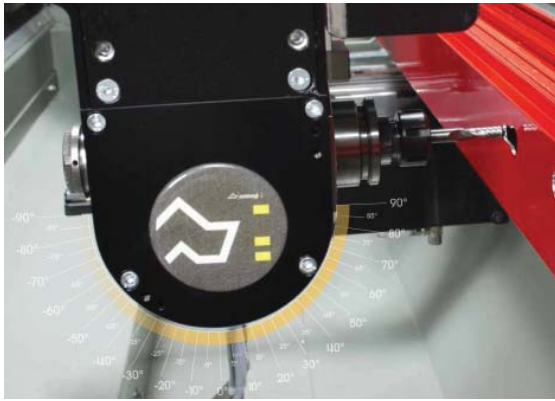
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5.5kW high torque electrospindles (7.5kW option)



4th axis spindle with continuous movement from 0° to 180°



4 or 8 slot round tool holder offers quick tool changes

Intelligent Clamping and Referencing

The software system calculates the best grip for the profile, allowing for clearance so as not to interfere with processing. The clamping units are moved rapidly and accurately into precise position. The T3 and X4 models have a translation movement along the y-axis of the clamp unit which allows processing all profile shapes.

To ensure correct positioning of the work-piece, the Phantomatic is equipped with recessed reference end stops. One on the left and one on the right (option for T3). This gives the Phantomatic the ability to process two profiles simultaneously in multi-piece mode or to process oversized bars with a single programming.

Tool Storage

A 4 or 8 slot tool storage unit boast an exclusive round design, reducing the overall dimension and offering increased tool change speed. A cover protects the tool unit from swarf and accidental knocks.

In addition to standard tools the unit can also be equipped with two angular units and a milling disc for machining all sides of the profile.

Control Panel Interface

A 15" touch panel display can be positioned to suit the operator. The touch screen and user friendly software make the interface simple and intuitive. The unit offers an integrated mouse & keyboard with front USB port for external memory connection and can be equipped with a barcode reader.

Specifications

	Phantomatic T3	Phantomatic X4
Work Field		
X-axis (longitudinal) 1 side / 5 sides	4300 / 4060 mm	4000 / 3760 mm
Y-axis (transversal)	210 / 140 mm	210 / 180 mm
Z-axis (vertical)	258 / 230 mm	250 / 250 mm
A-axis (automatic rotation)	–	0° ~ 180°
Positioning Speed		
X-axis (longitudinal) 1 side / 5 sides	56 m/min	75 m/min
Y-axis (transversal)	22 m/min	22 m/min
Z-axis (vertical)	22 m/min	22 m/min
A-axis (automatic work-piece rotation)	–	4500 °/min
Electrospindle Features		
Maximum power in S1	5.5 kW, 7.5(O)	7 kW
Maximum speed	20,000 rpm	16,500 rpm
Maximum torque	7.5 Nm	7.5 Nm
Tool attachment cone	HSK-63F	HSK-50F
Electrospindle set for Flow-Drill®	option	–

For a full list of features and options available; contact Ron Mack Machinery: