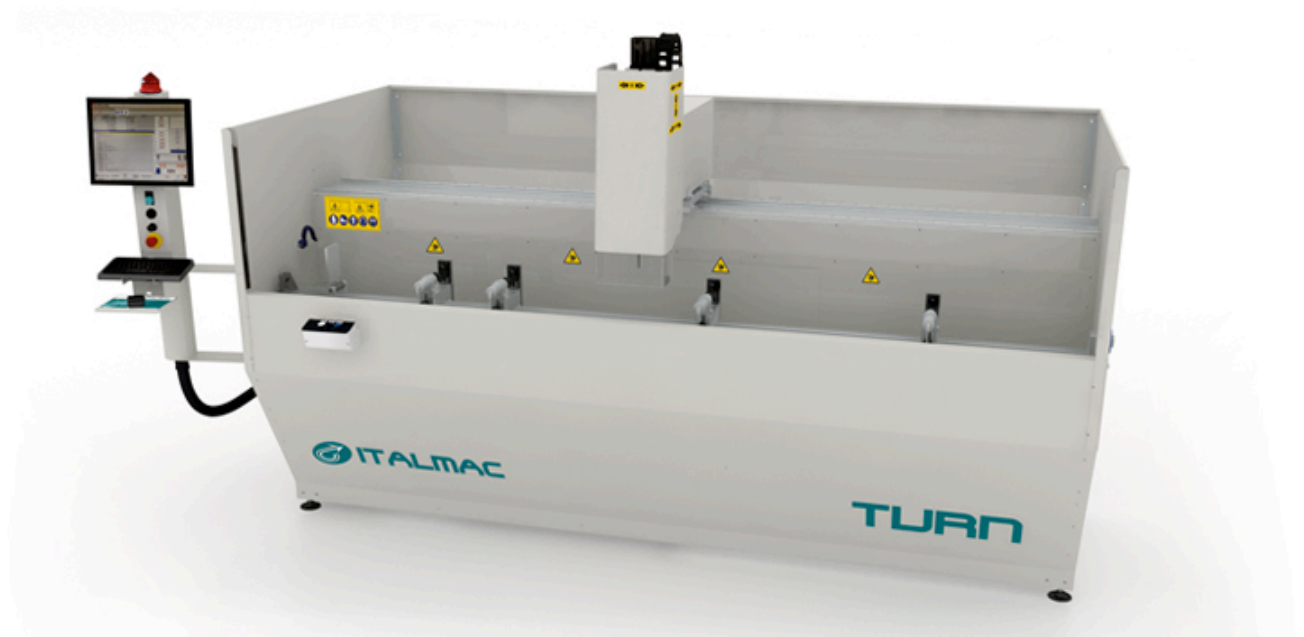


Haffner Murat Ltd
 Innovation and Technology for manufacturing
 PVCu and Aluminium Windows

Italmac Turn 4 Axis CNC Machining Centre

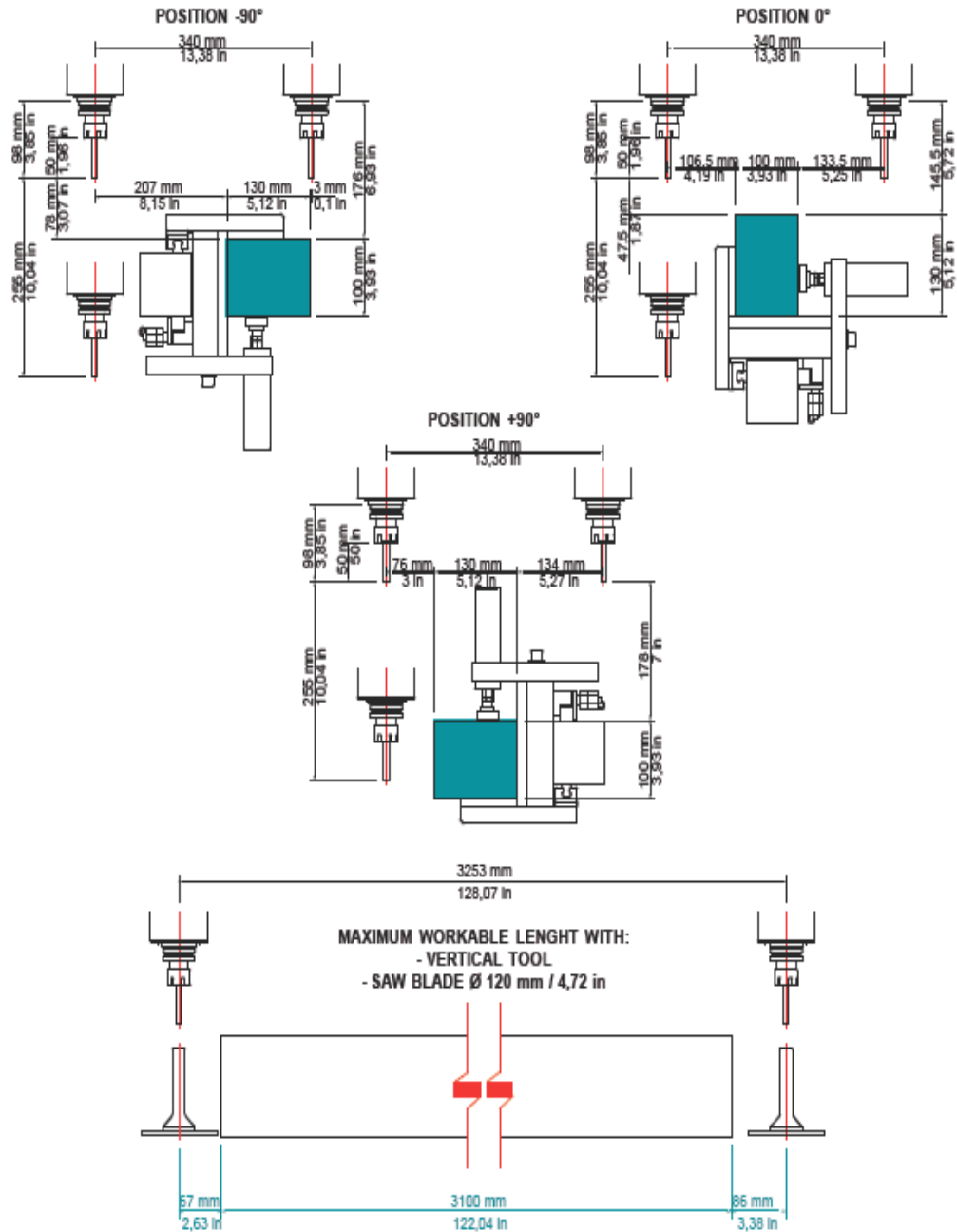


1 | MACHINING CENTER MOD. TURN 3100 – 4AXIS

4-axis CNC machining centre especially designed to mill and drill bars and work pieces made of Aluminium, PVC, light alloys in general and steel. The TURN 3100 - 4 axis is especially useful for machining operations on 3 sides of the work piece at any setting of the angle position of the electro-spindle from 90° to - 90° Complete with Automatic tool changing facility as standard.

The Accolade Building, Common Road, Stafford, ST16 3EQ
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 Director. D. J. Thomas: Registered in England 8768390

MAXIMUM WORKABLE PROFILE SECTION WITH VERTICAL TOOL AT 0°/+90°/-90°



General technical specifications TURN				
	X AXIS	Y AXIS	Z AXIS	A AXIS
Max speed	17 m/min	16 m/min	16 m/min	80 °/sec
Acceleration	1 m/sec ²	1 m/sec ²	1 m/sec ²	2 m/sec ²
Motion system	Pinion / rack	Screw+screw ball	Screw+screw ball	Gear box
Motion type	Linear guides	Linear guides	Linear guides	/
Position sensing detector	Encoder	Encoder	Encoder	Encoder

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Technical features:

- Main structures made of electro-welded steel, tempered and worked with CNC machine tools.
- 3-4 Axis movement controlled by high-precision motors.
- Electric spindle (4.0kw in S1), with ISO 30 tool connection suitable for all material removal processes during milling and drilling operations.
- Tool magazine holding up to 6 tools, placed on the backside of the moving portal.
- Manual clamping of the workpiece.
- Waste conveyor Plate
- Safety light curtain system located at the front of the machine.

2 | TECHNICAL SPECIFICATIONS – TURN 3100 – 4AXIS MACHINE

Model	TURN 3100 - 4 AXIS STD
Dimensioni (LxPxH)	4800x1920x1950 mm - 189x76x77 in
Dimensions for transport (LxPxH)	4000x1850x1950 mm – 157.5x73x77 in
Weight	900 kg - 1980 lb
Nominal power	6kW
Absorbed power	16 A
Voltage	400 V three phase
Frequency	50/60 Hz
Air pressure	7 bar
Accuracy	0.15 mm - 0.006 in
Electrospindle power S1	4 kW - 0/24000 rpm
Maximum torque	3.2Nm a 12000 rpm
Tool holder adapter	ISO 30
Spindle cooling system	Electric fan
Operation area	1
Machinable sides n°	3
Standard clamps n°	4 manual

Tool magazine	5 positions tools rack fixed on the base
Clamping force	65 kg per clamp
Zero reference point n°	1 pneumatic
Spray nozzles for lubrication	1 on the electro-spindle
Tank capacity	1 litre.
Slides greasing	Manual
Operating temperature range	From 10 to 35 °C
Humidity	75 %
Standard colors	RAL 7032 / RAL 5018
Chip conveyor system	Chip conveyor plate
Machine safety	Safety light screen
Operator interface	Monitor 17" LCD
USB port	On the control panel
Software	ITALCAM TURN VERSION

3 | PRICING FOR THIS CONFIGURATION

PART NR.	DESCRIPTION		£43,500.00
50.06.1.001	TURN 3100-4AXIS		
50.06.2.004	BASE kit tool (n.5 tool holders complete with collets + n.5 hard metal milling tools)		Inclusive

All prices are subject to programming, delivery and vat charges.

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