

WHY CHOOSE MAXICAM M3 CNC ROUTER

UPGRADED CONTROL • NEW INTERFACE • IMPROVED WORKFLOW

- ① All Maxicam machines are built with longevity in mind which is why our frames and gantries are manufactured from heat stabilised steel
- ② Work holding is the key to consistent parts and high quality edge finish, this is why we supply our M3 machines with the highest quality German Becker oilless rotary vane vacuum pumps and high flow phenolic vacuum matrix table. Standard pump capacity is 250m³/hr and all pipework is 85mm diameter for maximum flow and hold down.
- ③ After years of customer feedback we have developed the latest touchscreen User Interface to offer both basic and advanced users all the functionality they need right at their fingertips. The modern layout is both easy to use and intuitive allowing new operators to get up to speed in less than an hour of guided use.
- ④ Japanese digital servo motors lie at the heart of the transmission and use the latest Mechatrolink III closed loop control for pin point accuracy everytime. Speed, torque and response is the heart of the digital system.
- ⑤ Load and start is key for large batch sheet processing, material location pins allow the operators to quickly align the sheet at the datum point for accurate material alignment every time.
- ⑥ The M3 comes with the state of the art latest generation OSAI OPEN controller, this class leading control system is installed on milling machines and routers all over the world from Boeing and Airbus to Rolls Royce. The OSAI handles the servo loop over ethercat to the digital drives for unrivalled accuracy and response.
- ⑦ Sealed cable chains prevent dust and swarf entering in to the cable tray, where the high quality IGUS cables lie. All cables are from leading German supplier IGUS who have tested the cables to be bent over 10,000,000 times to ensure they don't let you down in peak production.
- ⑧ No router is complete without a high quality spindle and the M3 is no different. The M3 has as standard the best on the market from Italian world leader HSD. Not only is the 9kW spindle powerful and quiet, the long nose version with bearings spaced wider allows for less vibration and improved rigidity at the tool tip.
- ⑨ HSK leads the way. HSK tool clamping is vastly superior over the standard ISO 30 cone shaped tool holders. Due to the improved design of the tool holder the spindle clamps from within the holder meaning as the centrifugal force increases with spindle rotation the tool is clamped harder and not released like the its ISO 30 predecessor.
- ⑩ Changing tools is part of the day to day jobs for the operator, the M3 comes as standard with a convenient tool changing post mounted on the back of the machine.

POWELL CNC

SALES & SERVICE

MAXICAMLTD/POWELL CNC
UNIT 15 SPITFIRE BUSINESS PARK
1 HAWKER ROAD
CROYDON
T: 0845 689 0294
E: SALES@MAXICAMUK.COM

MAXICAM M3 CNC ROUTER TECH SPEC

UPGRADED CONTROL • NEW INTERFACE • IMPROVED WORKFLOW



NO	ITEM	DESCRIPTION	SPECIFICATION	OPTION
1	TRAVELLING AREA	X	1260 MM	3000 MM
		Y	2500 MM	100000 MM
		Z	180 MM	750 MM
2	TABLE SIZE		1230 X 2500 MM	
3	ACCURACY	WORKING ACCURACY	0.05 MM	
		REPOSITIONING	0.05/500 MM	
4	STRUCTURE	TABLE	VACUUM MATRIX/PHENOLIC	DOUBLE LAYER HIGH FLOW
		TRANSMISSION	HELICAL RACK XY, BALLSCREW Z	
5	SPEED	MAX RAPID	50000 MM/MIN	
		MAX FEEDRATE	25000 MM/MIN	
6	SPINDLE	SPINDLE TYPE	HSD 9.0 KW HSK	HSD 12.0 KW HSK
		SPINDLE SPEED	3000-24000 RPM	
7	DRIVE		SERVO/PLANETARY GEARBOX	
8	NC CONTROLLER	OSAI OPEN	DIGITAL CLOSED LOOP	
9	SOFTWARE	VECTRIC	CUT 2D PRO	ANY
10	COMMAND CODE		ISO G-CODE	
11	ELECTRICAL	3-PHASE 400V	1 X 32A MACHINE MAIN	
12	COMPRESSED AIR	CLEAN & DRY	8CFM @ 7BAR	
13	WEIGHT		2500 KGS	
14	FOOTPRINT		2300 X 3050 MM	

POWELL CNC

SALES & SERVICE

NEW MAXICAM M3 CNC ROUTER

UPGRADED CONTROL • NEW INTERFACE • IMPROVED WORKFLOW



BEST PERFORMANCE AND VALUE FOR MONEY IN ITS CLASS

THE MACHINE

The new Maxicam M3 CNC from POWELL CNC is our most advanced CNC router yet. Packed with new features and improved design the latest M3 is sure to impress. The new M3 for class leading productivity and affordability.

WHAT'S NEW?

- High efficiency vacuum table
- Totally redesigned user interface
- Improved dust extraction
- Latest NC controller from OSAI
- Windows 10 Pro OS
- Remote support over Ethernet
- Latest digital servo drives & motors

WHY CHOOSE MAXICAM M3 CNC ROUTER ?

UPGRADED CONTROL • NEW INTERFACE • IMPROVED WORKFLOW

