



INTRODUCING THE MACH MDS 845-8T "SPIDER" MILLING MACHINE

Are your spider senses tingling?



MACH Machine Tools' market-leading range of DynaPath controlled knee mills with integrated tool changers has welcomed a new, high-performance model into its ranks; the all-singing and dancing MACH MDS 845-8T.

Designed and built as a cost-competitive alternative to a small foot print vertical machining centre or toolroom type mill, the compact MDS 845-8T provides manufacturers with improved productivity and greater operational efficiencies.

The machine features a smart and uniquely designed eight position ATC arranged around the directly driven 8000rpm spindle (10,000rpm option with through-spindle-coolant capability) enabling fast and trouble-free tool change operations to occur.

As is the case with all MACH machine tools, the MDS 845-8T is supplied, as standard, with an impressive range of technology features. These include:

- UKAS/CE safety enclosure;
- solid state hard drives;
- Yaskawa digital drives interlocks and electrical equipment;
- bed wash;
- coolant/air gun;
- swarf augers;
- LED machine lighting;
- end of cycle light stack;
- electrical cabinet air conditioning.

MACHINE SPECIFICATIONS

	MACH MDS 845-8T
TRAVELS X/Y/Z:	800 x 450 x 450 mm
SPINDLE NOSE TO TABLE:	90 - 537 mm
CENTRE OF SPINDLE TO COLUMN:	435 mm
SPINDLE TAPER:	BT40
SPINDLE MAX RPM:	8000 rpm Direct Drive (10,000 rpm option)
TABLE SIZE:	850 x 420 mm
T-SLOTS:	18 x 85 x 4 off
MAX TABLE LOAD:	220 kg
MAX RAPID RATE:	20 m/min
MAX CUTTING RATE:	10 m/min
X/Y/Z AXIS TYPE:	Linear rail with roller bearings + Ball Screw
ATC TYPE:	8-tool independent arm, arranged around the spindle
MAX TOOL DIA:	63 mm Ø
MAX TOOL WEIGHT:	5 kg
TOOL CHANGE TIME (TOOL TO TOOL):	2.8 sec
SPINDLE MOTOR:	5.5 kW (7 HP) / 35 Nm
X/Y/Z SERVO MOTOR RATING:	Yaskawa 0.85 / 0.85 / 1.3 kW
POSITIONING ACCURACY:	0.005 µm
REPEATABILITY:	±0.003 µm
POWER REQUIREMENT:	15 kVA (supplied with 415V-220V 7kVA Transformer for UK)
AIR REQUIREMENT:	6 kg/cm ³
FOOTPRINT (L x W x H):	2200 x 2539 x 2304 mm
WEIGHT:	3750 kg

DYNAPATH WINDELTA CONTROL

The MDS 845-8T is equipped with the DynaPath WinDelta control system, with its 15.6" LCD touchscreen user interface. The control is capable of accepting multiple programme formats via its inbuilt USB, ethernet or wireless interfaces. It can be programmed conversationally, via DXF, in ISO/EIA G-Code formats and has an in-built DFX program editor, making the control capable of accepting and editing programmes in any machine format.

The control boasts a huge 8GB of memory, and 1000 block look ahead capability enabling fast and smooth 3D contouring.

MACH's DynaPath controlled machines are supplied with the legendary WiFi remote 24/7 service support structure that delivers real time assistance and guaranteed peace of mind.



**For more information call us on 0117 965 2706
or visit www.machmt.co.uk**