MACH
MACHINE TOOLS

SPINE-TINGLING PERFORMANCE AND JAW-DROPPING VALUE...COMBINED!

NEW DYNAPATH-CONTROLLED MACH MDM 700-AR & MACH MDM 1000-AR CNC BED MILLS.

Our new compact MACH MDM 700-AR and MACH MDM 1000-AR high-performance CNC bed mills provide everything precision component manufacturers and toolmakers want, and need, from a new machine.

Exceptional cutting performance, guaranteed long-lasting precision, built-in flexibility, unrivalled reliability... all available at a cost that will make your jaw drop and the guys in accounts smile.

Both machines feature technical specifications 'to die for' and include roller-type linear guideways, powerful BT 40 spindles and the advanced and versatile DynaPath control integrated with MACH's industry-leading 24/7, Wi-Fi 'Remote Assist' applications and service help and support.

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As is the case with all MACH machines tools, MDM-AR models are supplied as standard with an impressive range of technology features.

• Linear Guideways (X/Y/Z) • 15.6" Wide Touchscreen • Manual Pulse Generator (MPG) • Air Power Draw Bar • Table-mounted Interlocked Safety Guard • LED (Low Voltage Light) • Status Stacked Light • Coolant Equipment • Wi-Fi Enabled 'REMOTE ASSIST'

MACHINE SPECIFICATIONS

	MDM 700-AR	MDM 1000-AR
X, Y, Z AXIS TRAVELS:	710/400/500 mm (28.0/15.7/19.7 in)	1000/500/600 mm (39.4/19.7/23.6 in)
GUIDEWAYS:	Linear	Linear
RAPID RATES:	12 m/min (472 in/min)	12 m/min (472 in/min)
WORKTABLE:	1250 x 350 mm (49.2 x 13.8 in)	1525 x 350 mm (60.0 x 13.8 in)
TABLE LOAD:	400 kg (882 lb)	500 kg (1102 lb)
SPINDLE (BT 40):	3.7 kW (5.0 hp)/5000 rpm	5 kW (6.7 hp)/5000 rpm
ACCURACY - POSITIONAL:	0.006 mm (0.00024 in)	0.006 mm (0.00024 in)
ACCURACY - REPEATABLE:	0.003 mm (0.00012 in)	0.003 mm (0.00012 in)
COOLANT CAPACITY:	30 l (6.6 gal)	40 l (8.8 gal)
MACHINE SIZE (W/D/H):	2400 x 2440 x 2500 mm (94 x 96 x 98 in)	3100 x 2710 x 2600 mm (122 x 107 x 102 in)
MACHINE WEIGHT:	2150 kg (4740 lb)	2950 kg (6504 lb)

REMOTE ASSIST

- Expert remote applications and service help and support with a guaranteed 20 minute response time provided 24/7 ensures minimal downtime and disruption.
- Remote Assist is available on all DynaPath-controlled machines with customers receiving FREE support and software updates for the life of their machine(s).

DYNAPATH WINDELTA CONTROL

The DynaPath control provides customers with exceptional speed, flexibility and reliability.

Conversational and ISO/G code programming capability makes it easy to program on the shop floor and a 64Gb onboard program storage facility combined with 10,000 block look-ahead capability provides a 3D surface-ready control with fast processing speeds and ultra-responsiveness that ensures high accuracy and superior surface finishes.

Simple to understand menus are a key feature of the control and on-screen graphics help eliminate programming omissions and errors.

Functions such as datum setting using alignment, the ability to use ISO and Conversational Programming on the same platform, sub-program calling, the use of macro-programming, the ability to facilitate program simulation using tool path or 3D rendered graphics, a programmable spindle control along with the provision of DXF & Onboard DXF editor, plus a multitude of communication methods, including Wi-Fi connectivity, are just some of the control's key features and strengths.

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