Distributor stamp

BOOM!

British-built milling machines designed exclusively for the US market.

MACH CLASSIC, MACH VS-1SP & MACH VS-2SP manual turret-type milling machines.

MACH MDT-1 & MACH MDT-2 DynaPath CNC-controlled turret-type milling machines.

For more information call us on +1 313 489 9667 or visit www.machmt.com

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BREAKING NEWS!

Britain's best-selling MACH manual and MACH CNC turret mills now available stateside.

MACH Machine Tools, the leading UK-based machine tool supplier, committed to quality, value and customer service, is introducing its popular and best-selling CNC and manual turret-type milling machine ranges into the US. Built to exacting quality standards and supplied with a range of impressive technology features as standard, the machines deliver high-accuracies, fast processing speeds and unrivalled reliability that will make them firm favourites with US manufacturers.

There are five different machine tool models in MACH's turret mill range:

MACH VS-1 CLASSIC • MACH VS-1SP • MACH VS-2SP • MACH MDT-1 • MACH MDT-2

MACH
MACHINE TOOLS

Manual turret mill range.

MACH VS-1 CLASSIC

"MACH Machine Tools, part of The Vigilance Group, is a leading supplier of high-quality CNC and manual machine tools to precision component manufacturers in the UK, Ireland, Europe and, now, the US."

David Andrew, Managing Director, The Vigilance Group.

MACH VS-1SP

MACH VS-2SP

CNC turret mill range.

MACH MDT-1

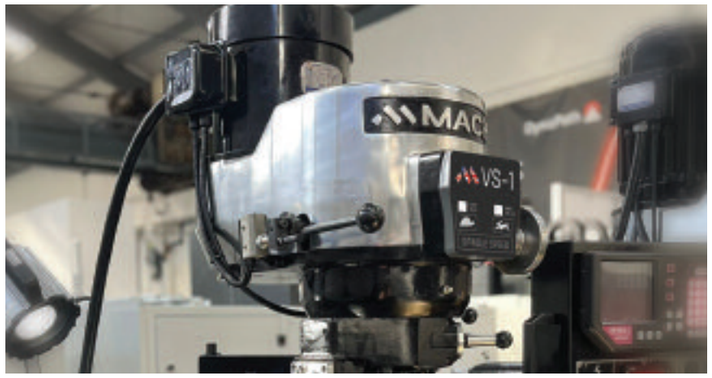
MACH MDT-2

Manual turret mill range.

The MACH 'Classic' VS-1 model, first launched in the UK in 2012, has fast become the 'go-to' manual turret mill for UK manufacturers and a growing number of UK and European educational establishments. The machine is joined by two, new 'next-generation' SUPER PRECISION models - the MACH VS-1SP and MACH VS-2SP to create a range of machines that cannot be beaten on precision, performance or price.

MACHINE SPECIFICATIONS

	MACH VS-1 CLASSIC	MACH VS-1SP	MACH VS-2SP
TABLE TRAVEL (X-AXIS):	33" (with power feed)	27.5" (with power feed)	39.4" (with power feed)
SADDLE TRAVEL (Y-AXIS):	12"	12"	15.6"
QUILL TRAVEL:	5"	5"	5.9"
RAM TRAVEL:	12.0"	18.0"	19.7"
SPINDLE POWER:	3 HP	3 HP	5 HP
SPINDLE TAPER:	R8	R8	ISO40/NT40
SPINDLE NOSE TO TABLE:	MIN 2.5"/MAX 18.25"	3.2" x 17.7"	3.3" x 18.5"
WORKTABLE (STANDARD):	9" x 49"	9" x 49"	12" x 59.1"
CENTRE DISTANCE:	2.5"	2.5"	2.8"
T-SLOT SIZE:	5"/8"	5"/8" x 3	5"/8" x 3
OVERARM SWIVEL ON COLUMN:	360 degrees	360 degrees	360 degrees
HEAD SWIVEL LEFT TO RIGHT:	+/- 45 degrees	+/- 45 degrees	+/- 90 degrees
HEAD TILT UP/DOWN:	+/- 45 degrees	+/- 45 degrees	+/- 45 degrees
WEIGHT OF WORKPIECE (MAX.):	750 lbs	155 lbs	992 lbs
BORING RANGE:	5.98" Mild Steel	5.90" Mild Steel	7.87" Mild Steel
SPINDLE DIAMETER:	1.87"	1.88"	3.34"
SPEED, HIGH (INFINITELY VARIABLE):	500-4200rpm	420-5000rpm	420-4200rpm
SPEED, LOW (INFINITELY VARIABLE):	60-500rpm	50-420rpm	70-420rpm
FLOOR SPACE:	84" x 120"	63.7" x 53.1"	66.1" x 95.7"
MACHINE HEIGHT:	87"	84.2"	92.5"
MACHINE WEIGHT:	1930 lbs	2090 lbs	3968 lbs



MACH VS-1 CLASSIC

"Established in 2012, the MACH product range is truly impressive, and each machine sold, bearing the distinctive MACH Machine Tool branding, represents a guaranteed and proven high-performance technology solution."

David Andrew, Managing Director, The Vigilance Group.

STANDARD FEATURES: MACH VS-1 CLASSIC

- Variable speed head for increased capability and flexibility
- Large-capacity worktable
- Variable feed with rapid over-ride on X-Axis for improved performance, higher productivity
- Chrome slideways with hardened table-top and T-slots
- R8 Spindle Taper
- Newall NMS300 2-Axis programmable DRO (Digital Read Out)
- SilvaFlame CleerVue spindle mounted safety guard
- Coolant equipment
- Stand on style composite base splash tray

MACH VS-1SP

MACH VS-2SP

STANDARD FEATURES: MACH VS-1SP AND MACH VS-2SP

- Hand-scraped hardened and ground dovetail slideways on VS-1SP machine, with square and box slides on VS-2SP
- Turcite B slideways and gibs, with nickel-coated lead screws
- VS-1SP: R8 Spindle Taper; VS-2SP: ISO 40 Spindle Taper
- Hardened and ground table tops and T-slots for prolonged life
- State-of-the-art, EVS Yaskawa-spindle inverter and motor that provides absolute control over the infinitely variable spindle speeds (up to 5,000rpm) - 3 HP for the VS-1SP and 5 HP for the VS-2SP
- 2-Axis Newall NMS300 DRO (Digital Read Out)
- Low voltage LED lighting
- Power feed to the X-Axis
- Power rise and fall positioning for knee on VS-2SP model
- Coolant equipment
- Stand on style composite base splash tray

CNC turret mill range.

MACH Machine Tools' 3-Axis CNC turret mill range comprises two different models - the MACH MDT-1 and MACH MDT-2. The machines are equipped with the advanced and easy-to-use DynaPath control that provides customers with exceptional speed, flexibility and reliability. Conversational and ISO/G code programming capability makes the machines easy to program on the shop floor and a 8Gb on- board program storage facility combined with a 1000 line look ahead capability, deliver fast processing speeds and responsiveness ensuring 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. The provision of an advanced DXF reader, as standard, adds to the control's flexibility and appeal.

The DynaPath control also features an industry-leading Wi-Fi-enabled remote diagnostic, fault-finding and monitoring support facility that ensures machine uptime.

Both machines, with their outstanding technical specifications and, of course, their CNC control have been designed to help manufacturers reduce job set up and part cycle times, and improve their overall productivity and performance.

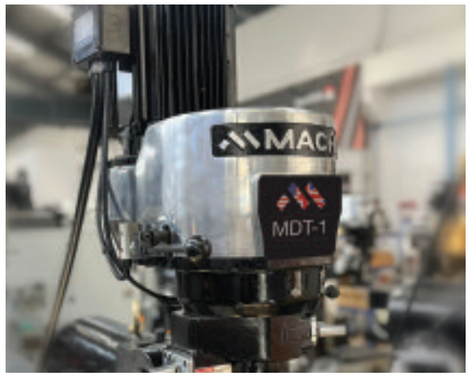
MACHINE SPECIFICATIONS

	MACH MDT-1	MACH MDT-2
X-AXIS TRAVEL:	29"	39.4"
Y-AXIS TRAVEL:	12.4"	15.6"
Z-AXIS TRAVEL:	16"	15.9"
QUILL TRAVEL:	5"	5.9"
QUILL DIA:	3.15"	4.13"
SPINDLE POWER:	3 HP	5 HP
SPINDLE TAPER:	R8	ISO40/NT40
SPINDLE RPM (EVS INVERTER):	50-5000 RPM	70-4200 RPM
MOTORS X,Y & Z:	1.3 HP	1.3 HP
TABLE LENGTH:	49"	59.1"
TABLE WIDTH:	9"	12"
HEAD SWIVEL:	+ / - 90 Degree	+ / - 90 Degree
X-AXIS WAY:	Dovetail	Dovetail
Y & Z AXIS WAY:	Dovetail	Box
MAX TABLE LOAD:	750 lbs	992 lbs
COOLANT CAPACITY:	32 Gallons	37 Gallons
COOLANT FLOW RATE:	13.2 Gallon/min – 43.5 PSI	13.2 Gallon/min – 43.5 PSI
MACHINE WEIGHT:	2145 lbs	3968 lbs
FLOOR SPACE W X D & H REQUIREMENT:	65" x 63" x 84"	66" x 96" x 93"

"All MACH machines are backed by our renowned after-sales service and support which, along with their unrivalled performance and competitive price, make them firm favourites with manufacturers of all sizes."

David Andrew, Managing Director,
The Vigilance Group.

DynaPath



MACH MDT-1

MACH MDT-2

STANDARD FEATURES: MACH MDT-1 AND MACH MDT-2

- Meehanite casting
- Hardened and ground table top and T slots
- Hardened and ground slideways with Turcite B anti-friction covering
- C3 class ball screws to ensure super precision
- Yaskawa-controlled VFD spindle drive spindle speeds, controlled via the DynaPath control system
- DynaPath 12.1" LCD touchscreen CNC control
- Remote Electronic handwheel - X-, Y- & Z-Axes
- Manual Hand wheels for X- & Y-Axes
- MDT-1: R8 Spindle Taper; MDT-2: ISO 40 Spindle Taper
- Air Power Drawbar
- MPG Run
- Manual DRO capability
- Interlock table guard
- Coolant system
- Precision ground C3 class ballscrews
- Automatic lubrication
- Swarf tray
- 4th Axis capability
- Program Retrace
- Work Light