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 WinDelta CNC 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 8Gb on-board program storage facility combined with a 1000 line look ahead capability, ensures 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.

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 toolpath or 3D rendered graphics, and the provision of programmable spindle control - are just some of the key features (and strengths) of the DynaPath control system.

MACH
MACHINE TOOLS

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Your local dealer

NEW MACH SLANT BED LATHES EQUIPPED WITH THE ADVANCED DYNAPATH CONTROL.

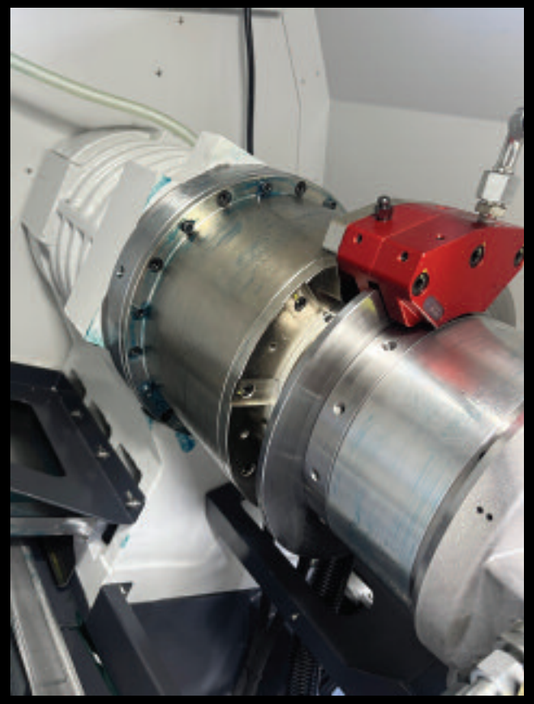
AS GOOD AS IT GETS!

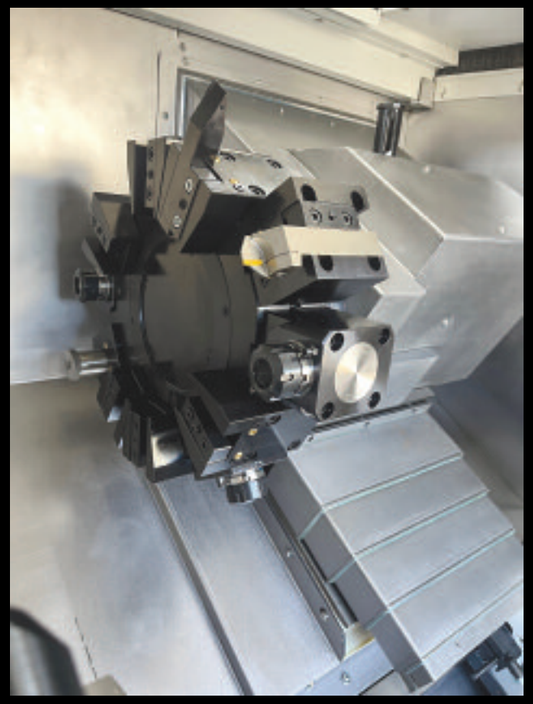
+1 313 489 9667 *info@machmt.com* *www.machmt.com*

MACH Machine Tools has recently introduced a new range of 8” chuck DynaPath-controlled CNC slant bed lathes into the market.

The MACH MDSL series, comprising two models – the 2-axis MDSL-202 and the multi-tasking 3-axis MDSL-203LTC equipped with driven tooling capabilities, provide customers with exceptional cutting performance, fast processing speeds, high precision and unrivalled machining flexibility.

Both machines have a rigid design and build (i.e., solid Meehanite one-piece casting with a 30-degree slant construction), and are equipped with infinitely variable spindles (4000rpm), bi-directional, servo-driven turrets that deliver fast tool selection, and feature the powerful and intuitive DynaPath control and MACH Machine Tools’ industry-leading ‘Remote Assist’ capability.





The MACH MDSL 203 LTC features a chilled motorised spindle and is equipped with a BMT 55 turret as standard!

MDSL RANGE: MACHINES’ SPECIFICATIONS

	MDSL-202	MDSL-203LTC
SWING OVER BED:	ø560 mm (22.0 in)	ø560 mm (22.0 in)
MAX TURNING DIAMETER:	ø500 mm (19.7 in)	ø500 mm (19.7 in)
MAX BAR DIAMETER:	ø52 mm (2.0 in)	ø52 mm (2.0 in)
DISTANCE BETWEEN CENTERS:	520 mm (20.5 in)	520 mm (20.5 in)
CHUCK SIZE:	ø210 mm (8.3 in)	ø210 mm (8.3 in)
X TRAVEL:	500 mm (19.7 in)	500 mm (19.7 in)
Z TRAVEL:	500 mm (19.7 in)	500 mm (19.7 in)
TYPE X/Z :	Linear Rails	Linear Rails
MOTOR RATING X:	9 Nm (6.6 lb-ft)	9 Nm (6.6 lb-ft)
MOTOR RATING Z:	12 Nm (8.9 lb-ft)	12 Nm (8.9 lb-ft)
SPINDLE SPEED:	10-4000 rpm	10-4000 rpm
BORE:	ø66 mm (2.6 in)	ø66 mm (2.6 in)
MAX BAR SIZE:	ø52 mm (2.0 in)	ø52 mm (2.0 in)
NOSE:	A2-6	A2-6
MAX TORQUE RANGES:	165 Nm (122 lb-ft)	165 Nm (122 lb-ft)
CHUCK:	8” 3-jaw Power Chuck	8” 3-jaw Power Chuck
MAX RAPID SPEED:	18 m/min (709 in/min)	18 m/min (709 in/min)
MAX CUTTING FEED:	10 m/min (394 in/min)	10 m/min (394 in/min)
POSITIONING ACCURACY:	0.006 mm (0.00024 in)	0.006 mm (0.00024 in)
REPEAT ACCURACY:	0.003 mm (0.00012 in)	0.003 mm (0.00012 in)
TURRET:	Block Bolt-On Type	BMT-55
CAPACITY:	12-Tool Servo	12-Tool Servo
ROUND TOOL SIZE:	ø40 mm (1.6 in)	ø32 mm (1.3 in)
SQUARE TOOL SIZE:	25 mm (1.0 in)	25 mm (1.0 in)
LIVE SPINDLE:	N/A	3.7 kW (5.0 hp)
LIVE STATIONS:	N/A	12
CONSTRUCTION:	Solid Cast Meehanite 30 Degree Slant one piece casting	Solid Cast Meehanite 30 Degree Slant one piece casting
TAILSTOCK TYPE X/Z:	Drag + Hydraulic Quill	Drag + Hydraulic Quill
TAILSTOCK BASE TRAVEL:	480 mm (18.9 in)	480 mm (18.9 in)
TAILSTOCK QUILL TRAVEL:	80 mm (3.1 in)	80 mm (3.1 in)
TAILSTOCK TAPER:	MT5	MT5
TAILSTOCK DIAMETER:	ø80 mm (3.1 in)	ø80 mm (3.1 in)
FLOOR SPACE, WIDTH:	2920 mm (115 in)	2920 mm inc conv (115 in)
FLOOR SPACE, DEPTH:	1850 mm (73 in)	1850 mm (73 in)
FLOOR SPACE, HEIGHT:	2005 mm (79 in)	2005 mm (79 in)
WEIGHT:	4800 kg (10582 lb)	5000 kg (11023 lb)
INPUTS POWER LOAD:	3 Ph, 415 V, 50 A, 40 KVA	3 Ph, 415 V, 50 A, 60 KVA
COOLANT:	130 L (34.3 US gal)	130 L (34.3 US gal)
HYDRAULIC AIR:	40 L (10.6 US gal)	40 L (10.6 US gal)

STANDARD EQUIPMENT ON BOTH MDSL LATHES INCLUDES:

Parts catcher, 8” Power Chuck, Tailstock, Renishaw Tool Setter, Swarf Conveyor & MACH XTract Coolant Mist Extractor, Tool Holder Starter Pack.