

## 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.



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

# AS GOOD AS IT GETS!



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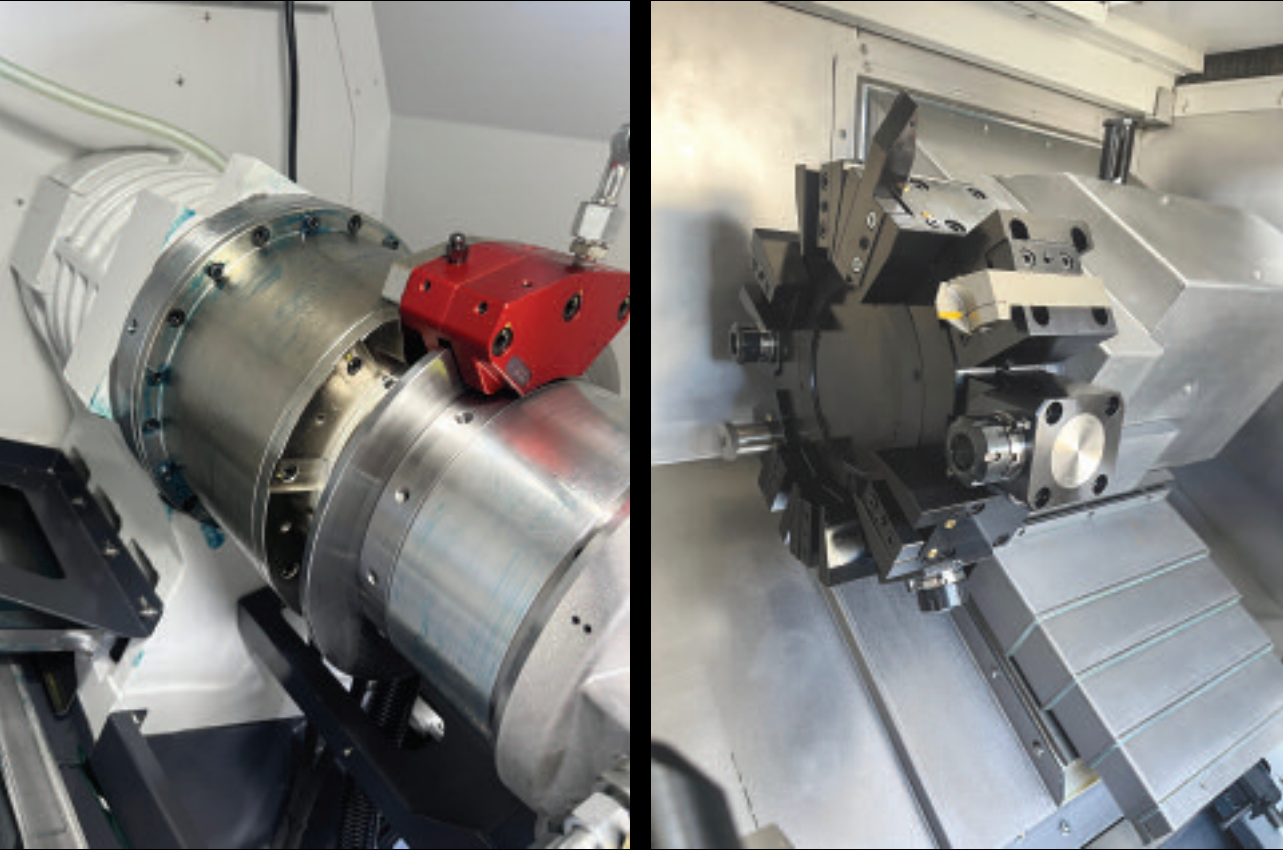


[www.machmt.com](http://www.machmt.com)

# 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<br>30 Degree Slant one piece casting | Solid Cast Meehanite<br>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.