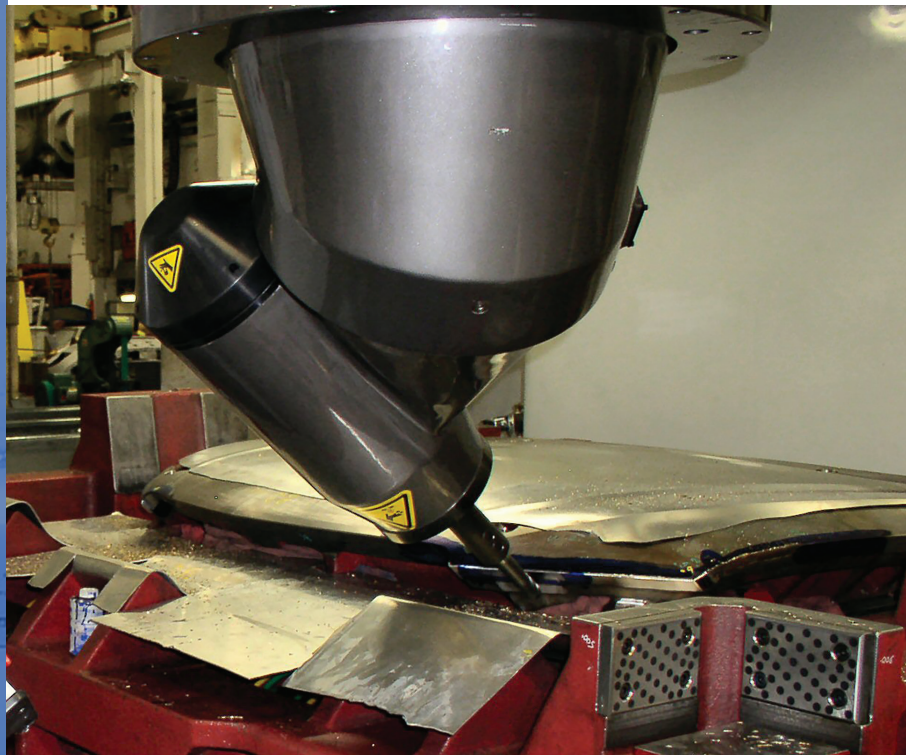


**PMT**  
/ FIXED PORTAL MOVING TABLE  
MACHINING CENTER

# PMT

## Fixed Portal Moving Table Machining Center

Designed for Semi Finish and Finish  
High-Speed Contour Milling of Molds,  
Dies, Fixtures and other Automotive  
and Aerospace Tooling.



The PMT features a Direct Drive system which couples the large liquid cooled Torque Motor directly to the Ball-Nut for the absolute highest rigidity and response.

The PMT-C is equipped with the TARUS 2 Axis Clamping Angle Head. Travel Range is  $\pm 90^\circ$  in the A Axis and  $360^\circ$  in the C Axis. The hydraulic system controls the clamping and drawbar. The A and C Axis rotations are controlled by servo motors, along with seamless induction scales for improved accuracy.

The Clamping Head CAT50 Taper Spindle is directly driven by a water cooled Synchronous motor.

The PMT-5-K is equipped with the Kessler 2AK-G3 Direct Drive Fork Style Milling Head with Hydraulic Clamping, Cartridge Spindle, HSKA63 Tool Holder, and 0-18,000 RPM.

Other options include an Automatic Tool Changer, Enclosure, Flood Coolant, Conveyors, Probing and Tool Pre-Set System.

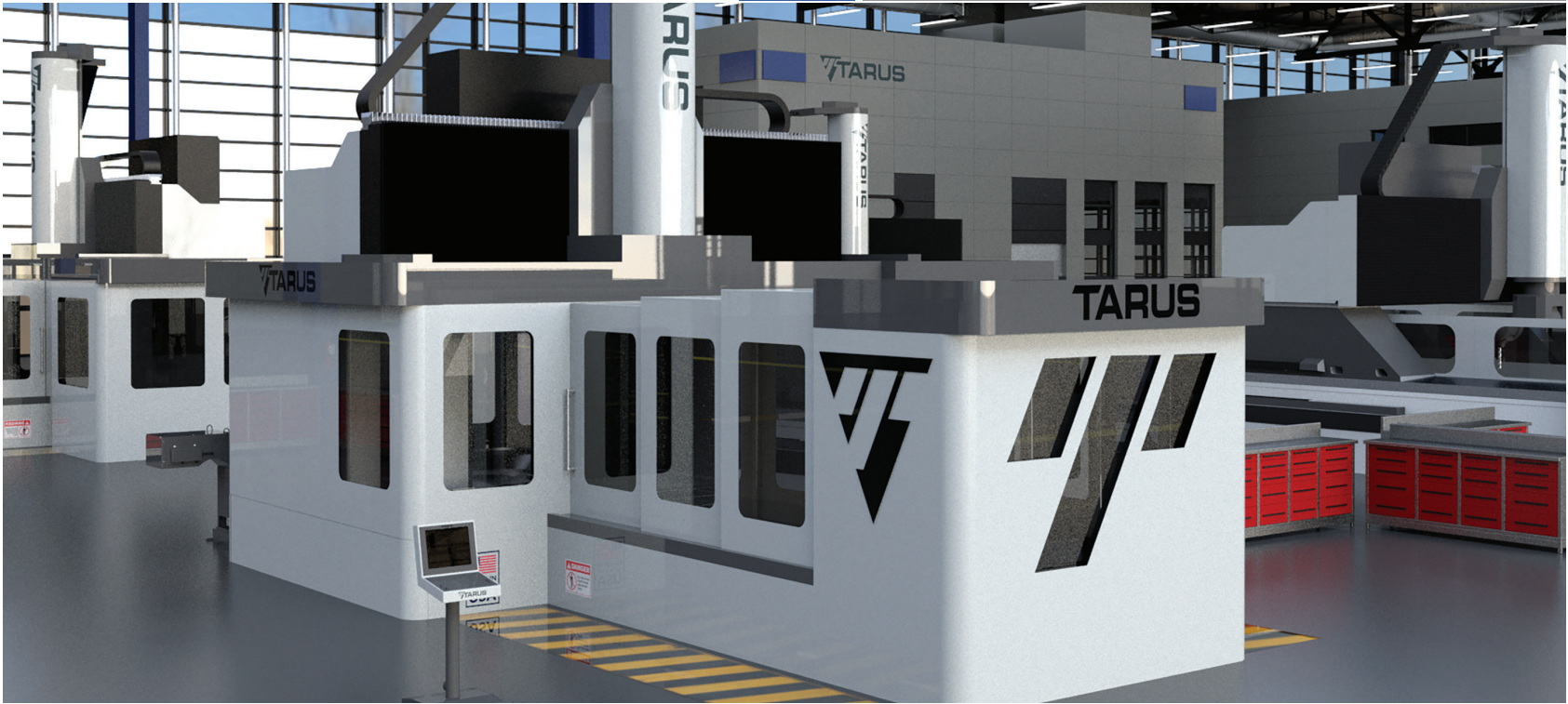
The Heidenhain TNC 640 is standard and the TARUS CNC Control and other CNC Controls are available.



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PMT Fixed Portal Moving Table Machining Center



SPECIFICATIONS

**PMT**  
FIXED PORTAL MOVING TABLE MACHINING CENTER

**Specifications**

**TARUS PMT**

|                                 |   |
|---------------------------------|---|
| Worktable                       | 1828 mm by 3048 mm  |
| X Axis                          | 3048 mm   |
| Y Axis                          | 2896 mm   |
| Z Axis                          | 1168 mm   |
| PMT-C-Milling Head              | TARUS 2 Axis Position / Clamping Head, 0-90 degrees effective travel      |
| PMT-C Spindle                   | CAT50 Taper Spindle, 0-10,000 RPM , 29 kW, 176 Nm peak torque             |
| PMT-5-K Milling Head            | Kessler Fork Style Head, 2AK-G3 with Cartridge Spindle                    |
| PMT-5-K Spindle                 | Kessler Cartridge HSKA63 0-18,000, 70kW, 100 Nm peak torque               |
| Feed and Acceleration:          | 25 meters per minute maximum, 2000 mm / s <sup>2</sup>                    |
| Axes Drive                      | Liquid Cooled Torque Motor Directly Driving Ballnuts                      |
| Position Feedback               | Linear Scales on X,Y and Z axes, direct position feedback on A & C axes   |
| CNC System                      | Heidenhain TNC 640  |
| Optional Automatic Tool Changer | 40 Tools, 60 tools optional   |
| Other Options                   | Full Enclosure, Flood Coolant, Conveyors, Probing and Tool Pre-Set System |



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