



TORNADO

T Series CNC Turning Centers

Advanced Lathe Technology



Quality and accuracy - consistently and quickly



These superbly designed machines are the perfect choice for anyone who needs to perform turning, milling, back turning or multiple operations to produce accurate one offs, short batches or large production run of turned parts at a low cost per unit.



THESE ARE THE MOST CAPABLE AND VERSATILE CNC MACHINES WE HAVE EVER PRODUCED!

Turning



Tornado CNC Turning Centers provide greater consistency and accuracy because they are built using Colchester-Harrison's unique "Duo-Stable" advanced machine tool construction which provides thermal and dynamic stability up to 300% greater than cast iron. Components produced on a

"Duo-Stable" machine are typically more accurate, have better surface finish and less tendency for thermal drift.

Turning & Milling



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"Duo-Stable" machine are typically more accurate, have better surface finish and less tendency for thermal drift. For 3 axis turning the T6M, T8M and T10M CNC Turning Centers are perfect as they have full C axis, spindle disc brake and driven tooling to make radial and axial milling, drilling, boring and tapping easier than ever.

Sub Spindle 'Single Hit' Turning



5 Axis single hit machining on the T6MS and T8MS allows powerful productivity gains by completing both sides of components in a 'single hit'. Automatic transfer of the workpiece from the main spindle to the sub spindle allows turning,

milling and drilling to continue on the second side of the component. (Sub spindle machines are also available without driven tools, T6S and T8S).

Y Axis Machining



The Tornado Y axis option (T8MY and T8MSY only) allows you to take full advantage of the machines milling capability by providing 'off center line' ($\pm 1.57"/40\text{mm}$ maximum) milling for the accurate machining of keyways, flat and contoured surfaces.

Automated Turning



LIGHTS OUT

Our renowned and proven productivity package provides you with the true 24/7 unmanned automation you need to increase your productivity, instantly.

MBF 1000 BARFEEDER

The world's first and most advanced all electric and fully integrated barfeeder, features work scheduling, tool management, automatic bar scheduling and component quantity calculation.

CUSTOM AUTOMATION

A wide range of barfeeders, robots and load/unload mechanisms can be integrated with your Tornado as well as special workholding applications.

