

## 3-Turret, Multitasking Turning Center



Methods Machine Tools, Inc., a leading supplier of innovative precision machine tools and automation, has introduced the Nakamura-Tome NTY3-250 Multitasking Turning Center. The new NTY3-250 has three high rigidity turrets, each with a Y-axis of 4.4 inches (112 mm) – the longest Y-axis in its class. The NTY3-250 dramatically outperforms two-turret multitasking machines and can eliminate downtime due to tool changeovers with its 72 tool capacity. This allows for short cycles times and complete turning / machining / finishing capabilities.

The new NTY3-250 provides X-axis and Z-axis speeds of 1,181 lpm and 1,574 lpm respectively. To accommodate these high speeds, the machine significantly outweighs its competition at 31,807 lbs. (14,425 Kg) to ensure rugged, stable performance. Designed with a long 47.24" (1,200 mm) distance between spindles to eliminate any interference of tooling during multitasking, the NTY3-250 allows for multiple tools in the cut simultaneously. The NTY3-250 also features a 60 degree slant bed for easy access to the work and tooling, in addition to better chip flow.

Each of the three turrets holds 12 driven or 24 stationary tools, for a maximum of 72 tool stations. Up to 35/30 HP is available for shaft/ work turning with synchronized spindles. The NTY3-250 has a maximum turning diameter of 8.86" (225 mm), a maximum turning length of 35.65" (905.5 mm) and a 2.5" (65 mm) bar capacity.

"With the introduction of the Super NTY3-250 we are able to offer a multitasking turning center with three turrets having identical performance and capabilities," said Mr. Richard Parenteau, Director of Application Development at Methods Machine Tools, Inc.

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For ease-of-operation, the NTY3-250 features a large 19" high-resolution, touch screen LCD panel. The Nakamura-Tome Intelligent Programming System (NT-IPS) is a PC-based control that is built into the machine. It works in conjunction with the latest Fanuc 31i-B controller to give a high degree of functionality, coupled with fast processing speeds. New standard functions include a spindle speed override switch, a program number search, C-axis synchronization and helical interpolation.

Unlike conventional CNC interfaces, which involve extensive menu selections and navigation through numerous screens, the NT-IPS is able to present a large amount of information in a clear format and allow simple one-touch access to all setting functions for faster set up and programming. The trouble guidance feature helps users quickly identify and respond to machine error signals by delivering a description of the error and possible causes, along with a series of pictures that show the location of the problem.

CAMplete TruePath Turn / Mill software is standard on Nakamura-Tome Multitasking Turning Centers. CAMplete Turn / Mill software is an integrated suite of G-Code editing, optimization, analysis and verification tools, enabling a full range of turn/mill functions.

#### **Methods Machine Tools Inc.**

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