



ISO 9001:2015 Registered
CWB Division 2 Certified

China Steel Inc.

164 Industrial Park Crescent
Sault Ste. Marie, Ontario
Canada P6B 5P2

Phone (705) 942-3200
Fax (705) 942-7313

Email: info@china-steel.com
Web www.china-steel.com

*Introducing - An Addition To Our Machining Family -
Demonstrating a Continued Investment in Technological Advancement and a Commitment to Our Future*

Multi-Tasking Machine Technology Provides High Quality, Efficiency & Repeatability

**Mazak – Integrex e-1550V/10 II c/w dual pallet for
Multiple Turning & Milling and 160 Tool Changer**



Integrex e-1550V	
Table Size	78.74" Diameter, 2 m
Table Capacity	8,800 lbs., 4000 kg
Max. Height	56", 1440 mm
Main Spindle	10,000 rpm - 50 hp (30 min.)
Horizontal Lathe	300 rpm
Tool Capacity	160 tools, HSK

MACHINE DESCRIPTION:

The INTEGREX e-1550V/10 II Multi-Tasking machine combines full 5-axis machining, powerful turning operations and pallet-changing capabilities to productively process large, highly complex parts from a variety of workpiece materials.

Because the machine is able to perform milling, turning, boring and drilling operations in single setups, manufacturers can reduce the inaccuracies that occur when moving heavy parts across multiple workstations as well as eliminate work-in-process inventory.

High-speed and high-torque milling spindle specifications are available to successfully meet a broad range of application requirements in industries such as aerospace, heavy construction and energy.

The machine comes with a two-pallet changer that provides unattended operations and off-cycle part setup. This simple, efficient form of automation allows operators to load, unload and inspect parts on one pallet while the machine works on the other undisturbed.

MACHINE CHARACTERISTICS:

- Handles parts up to 78.74" in diameter and 56.69" long
- Spindle selection addresses various metal removal requirements
- Tilting B-axis allows for full 5-axis machining
- Powerful turning spindle delivers heavy-duty performance
- Tool storage capacities up to 348 tools offer high flexibility
- MAZATROL SmoothX CNC offers industry's fastest processing times
- Large, heavy-duty pallet handles high part weight capacities
- Two-pallet changer facilitates unattended machining

Multi-Tasking in the machining world is the combining of processes onto one machine, which were traditionally processed on multiple machines. The ultimate goal is to turn, mill, drill, tap, bore and finish the part in a single setup, called "Done-In-One".

This may be the single most important innovation in manufacturing technology for any company seeking to become lean, efficient, and globally cost-competitive.

Mazak is a pioneer in the field, introducing the first turn/mill lathe in 1983. Over the past twenty years, they have developed the broadest range of multi-tasking machines in the industry, serving low, medium and high-volume producers.

What Multi-Tasking can do for you:

- Compressed lead times - from weeks to days
- Reduced lot sizes with no cost penalty – multiple pieces or lots of one
- Higher frequency shipments
- Reduced part costs - fewer fixtures, tools and FAR LESS LABOUR
- Slashes non value-added time - multiple setups, handling, and queue time
- Improved part accuracy - no tolerance build-up
- Reduced shop burden - fewer machine tools/space/utilities

Mazak has been known for CNC Turning Centers for over four decades. The range of applications seems endless, from small part turning to jumbo heavy-duty cutting. Production quantities range from thousands per week to single pieces. Multi-Tasking capabilities are part of many of these CNC turning products.

All Mazak Turning Centers stress productivity, from the advanced technologies built-in, to rugged, high-quality construction. And teamed with Mazatrol conversational CNC, offers the shortest path from setup to first-part machining.

On-machine programming is based on question-and-answer dialogue between the operator and control - in English. The Mazatrol CNC already contains a database of recommended cutting speeds and feeds, tool management, tool path checking and 3-D solid simulation of the cutting program, making programming intuitive even for less experienced operators. As cutting tool performance is improved, new parameters may be easily incorporated into the tool database and applied across all programs.

Large or Small Quantities or Sizes - Dedicated To Finding A Solution To Suit Your Needs!

*Contact Us Today For All Your Machining or Fabricating Needs
(705) 942-3200*