

Technology that improves your economy

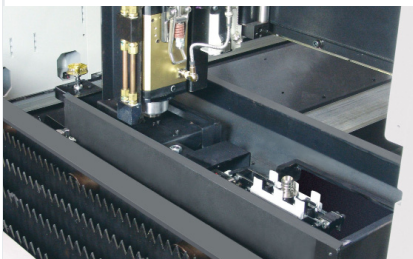
SPECIFICATIONS



SuperTurbo-X Mark III

Opti-Pod

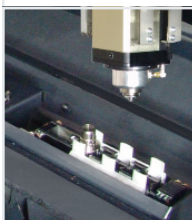
Mazak's new Opti-Pod offers 3 automated setup features that help minimize preparation time and improve extended unattended operation. These are **intelligent** functions designed to both automate and help maintain optimized machining conditions for increased productivity.



AO1

Nozzle Spatter Removal

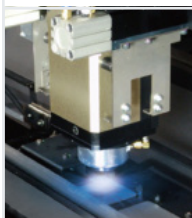
Maximizes the time between necessary operator intervention.



AO2

Nozzle Changer

Automatically loads the correct nozzle for the material being cut.



AO3

Focal Point Measurement & Adjustment

Measures focal point and compensates for lens contamination.

Mazak's new STX Mark III is a flexible, rugged workhorse designed to offer significant technical advantages and standard features for a variety of material types and thicknesses.



The new STX Mark III is built on the industry's most reliable laser platform.

The Mark III has been designed utilizing Mazak's proven hybrid platform with an easy access table. It features a proprietary vibration dampening frame and integrated laser resonator that ensure stable, high accuracy cutting. The constant-beam length construction provides uniform cutting performance across the machine table.

It incorporates leading edge laser technology.

The STX Mark III utilizes many features developed for Mazak's Hyper Series machines. They include intelligent setup functions for automated nozzle spatter removal, a three station nozzle changer and focal point measurement and adjustment capability. These special features are found within the Opti-Pod described on the left. The Mark III also incorporates a new Servo Focus Torch. This servo driven system significantly reduces piercing time and increases productivity. Additional new technology includes a High Accuracy Auto Centering Lens and Nozzle design that further reduces setup and increases productivity.

	STX 48 Mark III*	STX 510 Mark III	STX 612 Mark III*
Machine Design	Hybrid		
Table sizes	4'x8'	5'x10'	6'x12'
Machine Weight	24251 lbs.	27999 lbs.	45636 lbs.
Resonator	2.5 kw (.87" CRS), 4.0 kw (1" CRS)		
Drive System	Ball Screw		
X, Y Positioning	± 0.0004" per 19.7"		
Repeatability	± 0.005"		
Servo Focus Torch		✓	
Automated Nozzle Spatter Removal		✓	
Automated Nozzle Changer		✓	
Automated Focal Point Measurement & Adjustment		✓	
Scrap Conveyor System		✓	
Power Material Clamps		✓	
Ball Transfers		✓	
Automated Load/Unload		Optional	
FMS		Optional	

* Available soon.

The combination of rugged reliability and new technology delivers **Rock Solid Performance.**

Mazak Optonics Corporation
2725 Galvin Court
Elgin, Illinois 60124
847.252.4500

www.mazakoptonics.com