

Machine specifications

Standard Specifications

Max. workpiece size	●	1525 x 3050 mm (60.04"x120.08")
Axis stroke	X axis	● 3100 mm (122.05")
	Y axis	● 1580 mm (62.2")
	Z axis	● 100 mm (3.94")
Rapid traverse rate	●	X, Y: 120 m/min (4724 IPM) Z : 60 m/min (2362 IPM)
Positioning accuracy	●	± 0.05/500 mm (±0.002"/19.69") (X axis, Y axis)
	●	± 0.01/100 mm (±0.0004"/3.94") (Z axis)
Repeatability	●	± 0.03 mm (±0.0012") (X axis, Y axis, Z axis)
Max. number of torches	●	2
Max. number of nozzles	●	8
Machine weight	●	14,000 kg (30864 lbs)
Electrical requirement (KVA)*	●	87

* Without dust collector and compressor

Specifications of Laser Oscillator

Resonator type	●	4.0 kW
Laser Gases	●	Mixed He, N ₂ and CO ₂
Gas consumption rate	●	15 L/H (0.53 ft ³ /H)

CNC Standard Specifications

	●	MAZATROL preview 2
CPU	●	64 bit
Control method	●	Preview control
Minimum program increment unit	●	0,001 mm (0,0001")
Programming method	●	EIA/ISO
Display	●	15" color LCD (TFT)

Standard Equipment

- Intelligent torch changer (Magazine capacity Max. 2 torches)
- Intelligent nozzle changer (Magazine capacity Max. 8 nozzles)
- 7.5" Servo focus torch (1)
- 7.5" Mazak high accuracy lens (2.0 MPa) (1)
- Mazak high accuracy nozzle adapter (3)
- Mazak high accuracy nozzles ø 2.0, ø 3.0, ø 4.0 mm (1 each)
- Intelligent auto focal distance measurement & adjustment
- Non-contact profiling unit
- Auto profiler function
- Intelligent Monitoring system
- Profiling retry
- Side air blast
- Third high-pressure gas piping (2.5 MPa)
- Assist gas changer
- Assist gas pressure NC function
- Dust collector preparation
- Manual work clamp
- Pallet changer
- Work light
- Oscillator status indicator lights
- NC retry
- Auto power off

Optional Equipment

- Mazak high accuracy nozzles ø 2.0, ø 2.5, ø 3.0, ø 3.5, ø 4.0 mm
- Mazak high accuracy nozzles (double nozzle)
- 5" Servo focus torch (1)
- 8.75" Servo focus torch (1)
- Mazak high accuracy lens (8.75" , 7.5" , 5")
- Dust collector
- Scrap conveyor
- High-pressure gas piping (third, fourth)(2,5 MPa)
- Worksheet lifter

Machine specifications may change without notice.

9.1.11