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METALWORKING MACHINERY

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Laserschneidmaschinen - MAZAK - Super TURBO X510 MK3 - MACH-ID 9880



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MACH-ID 9880

Hersteller	MAZAK
Typ	Super TURBO X510 MK3
YOP	2012
Steuerung	Mazatrol Previeuw







Spezifikationen

Arbeitsbereich X Achse	3050 inch
Arbeitsbereich Y Achse	1525 inch
Arbeitsbereich Z-Achse	150 inch
Quelle	4000 kW / Amp
Tischlänge	3000 inch
Tischbreite	1500 inch
Vorschub X - Achse	30000 mm/min.
Vorschub Y - Achse	30000 mm/min.
Vorschub Z- Achse	30000 mm/min.

Abmessungen

Länge	334.645 inch
Breite	177.165 inch
Höhe	110.236 inch
Gewicht	28011.4 lbs

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Transito 21
6909 DA Babberich
51.9066195, 6.14990950

T: +31 (0)316 247 123
F: +31 (0)316 247 123
W: www.mach4metal.com

E: info@mach4metal.com
E: sales@mach4metal.com
E: buy@mach4metal.com

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What is this machine used for?

The machine is designed for accurate and efficient 2D laser cutting of sheet metal components, including complex shapes, holes, contours and profiles. It is particularly suitable for small and medium production batches, custom-made components and industrial subcontracting.

Which industries are potential buyers?

- Sheet metal fabrication: Cutting steel, stainless steel and aluminium components.
- General metalworking: Manufacturing custom laser-cut parts for industrial customers.
- Machinery manufacturing: Producing machine covers, brackets, panels and structural components.
- Automotive industry: Manufacturing brackets, components and prototype parts.
- Agricultural machinery: Producing parts for tractors, trailers and agricultural equipment.
- Construction and steel fabrication: Cutting connection plates, mounting brackets and structural parts.
- HVAC and ventilation: Manufacturing ventilation components, panels and ductwork.
- Electrical cabinet manufacturing: Cutting enclosures, control panels and mounting plates.

Automatic sheet loading and unloading system – Large overhead gantry with integrated sheet handling equipment, suitable for automated material transfer.

Mazak CELL 510 VA automation system – Separate automation control cabinet, identified by its nameplate and operating panel.

Automatic pallet changer / shuttle table – Two cutting pallets allow material preparation and unloading while the machine processes another sheet.

MAZATROL Preview CNC control – Colour display with graphical program visualization and integrated machine operation functions.

Integrated laser chiller – Separate cooling equipment visible behind the machine.

Dust extraction equipment – Large extraction ducting and associated equipment visible, although the complete filtration installation cannot be verified.

Safety enclosure – Perimeter safety fencing with access gates and emergency-stop controls around the automation system.

Assist gas controls – Gas supply connections and pneumatic control equipment for laser cutting.

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- HVAC and ventilation: Manufacturing ventilation components, panels and ductwork.
- Electrical cabinet manufacturing: Cutting enclosures, control panels and mounting plates.

Main technical specifications

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- Working area: Approximately 3,050 × 1,525 mm
- Mild steel cutting capacity: Up to 25 mm
- Stainless steel cutting capacity: Approximately 12 mm
- Aluminium cutting capacity: Approximately 10 mm

Cutting capacities depend on the material, cutting gas and machine condition.

Why is this machine interesting?

The Mazak Super Turbo X510 MKIII offers reliable industrial laser cutting capabilities at a significantly lower investment than a new fiber laser machine. It is an attractive solution for companies looking to expand their sheet metal processing capabilities or bring laser cutting operations in-house.

Ideal buyers: Sheet metal subcontractors, steel fabrication companies, machinery manufacturers and general metalworking workshops requiring a versatile and affordable industrial laser cutting solution.

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