



Laser cutting Speedmaster

Traversing speed 150 m/min (5,900ipm)! High cutting accuracy and smooth contours achieved with modern linear motors



Our engineers are ready to configure a laser cutting machine (CO2 and fiber lasers) to your specifications. Additional information on request.

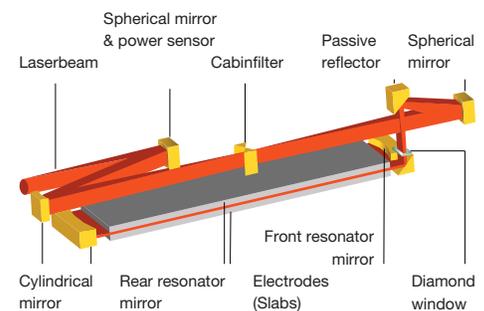
- Modular construction with small, highly functional footprint
- Cutting of various metallic materials such as steel alloys, carbon steels, titanium and bronze
- Integrated laser power control
- CO² slab laser technology combines reduced gas consumption with low maintenance
- Beam guidance via two mirrors provides stable cutting operation over the entire operating range
- High traveling speed, 150 m/min (5,900"/min)
- Optional: RTX - pipe cutting device. This can be placed lateral to the worktable. This allows cutting tubes and profiles in the diameter range from 20 to 250 mm (0.75 to 10")
- Machining length: Ø20-105 mm: 6 m, Ø105-250 mm: 3 m (Ø0.75-4": 20', Ø4.1-10": 10')

Standard configuration

- ✓ Siemens 840 D CNC control
- ✓ State of the art lens cooling system
- ✓ Roфин Sinar or PRC resonator (1000-5000 W)
- ✓ Chip conveyor for slag and residues
- ✓ LED laser pointer for easy machine and workpiece positioning
- ✓ Telescopic laser optics
- ✓ Linear drives from Siemens
- ✓ Advanced gas supply system - gas mixture and pressure control in the range of 0 to 22 bar (320 psi)
- ✓ Torit system DFPRO - smoke gas filtration and extraction system
- ✓ CNC-controlled laser head
- ✓ Hydraulic pallet changer (capacity 900 kg, photocell)
- ✓ Laser cutting head Precitec 1.5" with 5" and 7.5" lenses
- ✓ Protective covers for laser class 1
- ✓ Capacitive height sensing of Precitec in Z axis
- ✓ Operation manual



Specifications		2512	3015	3020	4020
		49" x 98"	59" x 118"	79" x 118"	79" x 157"
Axis travel	X mm	1250 (49")	1500 (59")	2000 (79")	2000 (79")
	Y mm	2500 (98")	3000 (118")	3000 (118")	4000 (157")
	Z mm	80 (3")	80 (3")	80 (3")	80 (3")
	A deg	endless - (optional axis of rotation 360°)			
Max. work feed	m/min	40 (1,560"/min)			
Max. positioning speed	m/min	150 (5,850"/min)			
Max. speeding up	m/sec ²	15			
Positioning accuracy	mm	±0.05 per 500 (0.002" per 20")			
Repeatability	mm	±0.025 (0.001")			
Air pressure	bar	6 (85 psi)			
Min. Water pressure	bar	6 (85 psi)			
Cooling water usage	l/min	2 (optics), 6 (linear drives)			
Voltage	V	3 x 400 Volt, 3 Phases, 50 Hz (460/3/60)			
Fuse/max. amperage	A	80/63			
Item No.		2000080	2000081	2000082	2000083



Graphic Roфин Sinar CO2 Slab Laser

*The above specifications are subject to change without prior notice. No liability for printing mistakes. Machine may be shown with optional equipment.



Optional configuration

- Rofin Sinar resonators of different power - DC 015 (1500 W) DC-050 (5000 W) or FL 010 (1000 W) - FL 040 (4000 W)
- PRC resonators of different power - STS 2500 (2500 W) - STS 5000 (5000 W)
- Ethernet network card
- Siemens S7 remote diagnosis
- Lantek CAD/CAM software for 2D 3-axis laser cutting
- LPM system - Piercing sensor to control injection with plasma sensor for monitoring the plasma development
- Retry-Retrace function (Reset the cutting head after a break)
- Parts Counter and Program Quick Start function
- Sheet position detection system
- Air drying filter
- Indexing pallet system
- Additional loading/unloading facilities (on request)
- Changed traverse in X-and Y-axis and custom table designs (on request)
- RTX - pipe cutting device

- High-performance Siemens 840D CNC control
- Non-contact cutting head Precitec HP 1.5"
- Easy accessibility to the work area of the system for maintenance
- Progressive lens cooling system
- Complete protection from scattered radiation by sealed beam guide ways
- High machining precision and traversing the cutting of

- any 2-D contours
- Hydraulic pallet clamping fixtures
- Partial CNC extraction of fumes
- Possible integration of welding work
- Optional pallet-shuttle system
- Low energy consumption
- Easy maintenance
- Lower service costs



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