SCRIBA

THE HIGH PRODUCTIVITY - CLASS 1 LASER MARKING
AND ENGRAVING WORKSTATION FOR METALS AND THERMOPLASTIC MATERIALS

Option: Hight productivity multi-position rotary table

- **SCRIBA** is a complete workstation ideal solution for high production laser marking, flexible and easily adaptable to a large variety of products.
- The **SCRIBA** workstation is equipped with an automatic cover and multi position (2 or 6) motorized rotary table controlled via SW. The motorized Z axis, laser head support, has a 450 mm vertical stroke that provides a large working area capable of handling items up to 210x210x300 mm.
- Another outstanding feature of the **SCRIBA** workstation is the addition of a dynamic beam expander, this enables the laser spot to be driven dynamically adjusting the focus of the laser via SW. Dynamic beam expander allows high quality engraving and marking even on items with different surface heights (except Scriba Fiber).
- The **SCRIBA** workstation is the ideal solution for marking and engraving steel and metals, thermoplastics and polycarbonates, precious metals, PCB, metal coatings and electronic components in general. Application fields include pharmaceutical, electronic, automotive, mechanical industry and any application where high production off line marking is required.
- The **SCRIBA** workstation provides the right solution for both the small craft companies up to larger industry/manufacturing companies.
- **SCRIBA** is a Class 1 product and complies with the strict laser safety standards.

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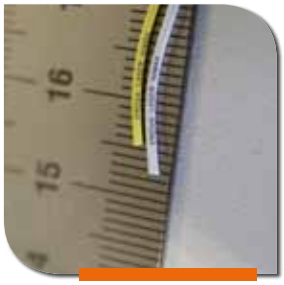
Labeling

Metal engraving



Electrical components

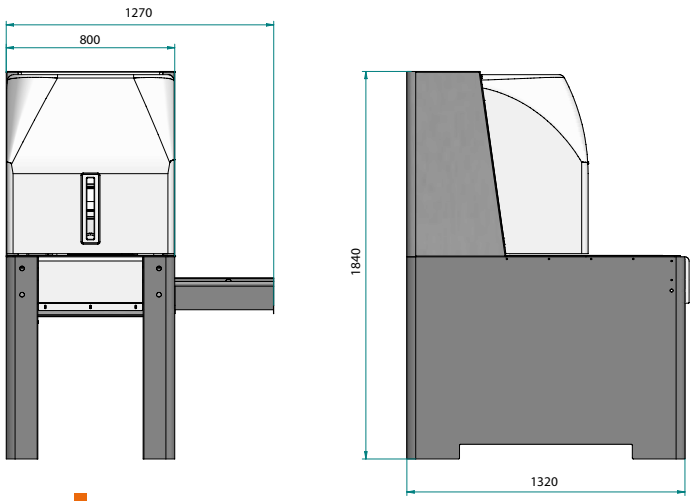
Customization

Automotive - Night&day

Main technical features		
Models	SCRIBA FIBER	SCRIBA LASER³
Wavelength (nm)	1064	
Max. power (typical) (W)	30-50	20
Pulse repetition frequency (kHz)	0-200	0-100
Max. peak power (kW)	10	≈140 - (200)
Max. pulse energy (mJ)	1	0.8 - (1.6)
Max. pulse duration (ns)	80 - 120	6 - 35
Beam quality factor M^2	< 1.5	
Spot diameter (µm)	25 - 90	
Cooling	Air	
Work area	F-Theta 100=60x60 F-Theta 163=110x110 F-Theta 254=180x180	
Dynamic focus distance shift (mm)	Not available	F-Theta 100=15 F-Theta 163=40 F-Theta 254=60
Norm compliance	2006/95/CE Low Voltage Directive 2006/42/CE Machinery Directive 2004/108/CE Electromagnetic Compatibility Directive (*) IEC EN 60825-1 Laser Safety	
Laser class safety	Class 1	

Available Features producing maximum flexibility:

- Sturdy and rigid steel structure
- Opening/closing cover with software controlled heights
- Rotary table with 2 or 6 (option) positions Ø 730 mm
- Electronic Z axis - 450 mm vertical stroke
- Norm compliant Safety barriers with automatic start for a safe high productivity (option)
- Integrated autofocus device enabling different surface heights to be marked for an optimized positioning and marking times (except Scriba Fiber)
- Red diode pointer for projection of the marking path
- Fume extraction pre-arrangement (blower not included)
- PC housing pre-arrangement (PC not included)



350 Kg

The system is CE certified.
The features and the specifications of the system may change without notice.

10/2016

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