

Laserworkstation

→ LWS 780



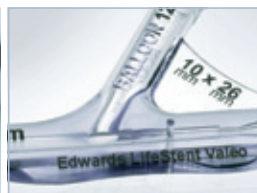
www.troteclaser.com



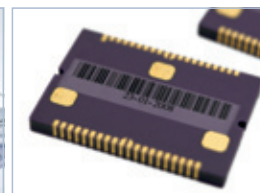
Mechanical engineering



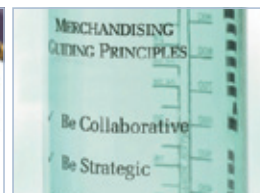
Tool



Medical technology



Electronics industry



Plastics industry

→ Series 780

**The series 780 laser workstation:
The productive laser marking solution**

→ Modularity and Flexibility:

Production processes can be complex and have been optimized regarding costs and quality. LWS workstations from Trotec have been designed for the ease and flexibility to meet your needs. Modular design and available options allows maximum flexibility. A laser marking solution needs to adapt to the production process not the other way around. A modular design along with numerous proven options allows the workstation to easily be tailored to your needs ergonomically as well as technically.



LWS 780 ST

The standard version offers a large working area with lights along a motorized z-axis and an automatic door. The laser, control unit and computer are integrated into the base frame. The rugged, welded metal construction includes an array of available options which turns the LWS 780 ST into a highly productive solution for numerous marking applications.



LWS 780 RT

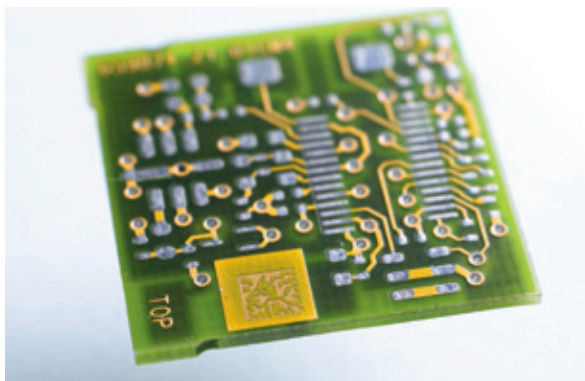
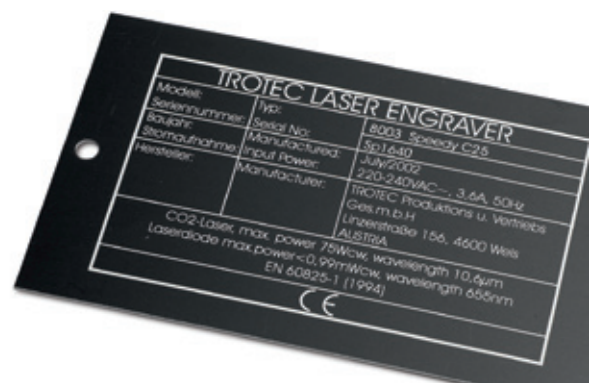
The RT version of the workstation features a rotary indexing table. This allows the operator to establish marking and load/unloads stations. The indexing table's repeatability of 0.02 degrees and the use of a software-controlled Z-axis ensure the precision required for high quality, high volume markings. To facilitate the machine setup the 780 RT includes an additional door in the side wall. These features enable increased productivity resulting in reduced cycle time.

→ Productivity:

The LWS workstations are designed to improve productivity. A motorized driven door and axes reduce cycle times. Maintenance free fiber lasers with up to 50W of power. Servo motors and an integrated exhaust nozzle helps to ensure that your LWS 780 does what it was designed for--marking.

→ Easy integration:

To connect your laser workstation all you need is a wall plug. The workstations are electrically driven with a power consumption of less then 1kW. They can also be connected to a network for data exchange, a field bus or an external PLC for seamless integration into an existing workflow.



→ Options

- Laser power from 10 to 50 watts
- Focal length from 4 to 10 inches for marking areas from 70 x 70 to 190 x 190 mm
- Software controlled Z-axis
- Software controlled X, Y Axes
- Exhaust
- Baseframe for seated or standing work position
- Autofocus
- Foot switch
- Integrated bar code scanner
- plus many more



→ Technical data

	780ST	780RT
Outside dimensions^{1,2} (HxWxD)	1700x780x960mm 66.9x30.7x37.8"	1700x780x1240mm 66.9x30.7x48.8"
Working area	T-notch PT2	Hole pattern
Max. part width	700mm	—
Max. part depth	800mm	—
Max. part height	350mm ⁵	200mm ³
Diameter of rotary table	—	550mm
Z-Axis travel	400mm	400mm
Z-Axis control	Jog button ⁴	Program
Door	Electrical door	Rotating bulkhead
Marking area	120 mm x 120 mm ⁶ up to 190 mm x 190 mm ⁶	
Laser safety class	Class II including viewing window	
Available laser systems	Speedmarker FL up to 50W, Speedmarker CL up to 30W	
Exhaust nozzle	Adjustable exhaust nozzle 40mm diameter	
Design	Powder coated steel frame, detachable side panels	
Electrical connections	1/N/PE 230V 50/60Hz	1/N/PE 230V 50/60Hz

Adaptations and additional options on request

- | | |
|--|-------------------------------------|
| 1 Depth increases to 9 inches when a Speedmarker CL is installed | 4 Software controlled axis optional |
| 2 For standing work height the overall height increases to 71 inches | 5 For F=160mm lens |
| 3 250mm optional | 6 For F=254mm lens |

