ACI Laser ＞ Products ＞ Laser stations ＞ Workstation Professional

Workstation Professional

The Workstation Professional is an incredibly versatile protective housing that has been designed to satisfy a wide range of requirements.

Properties

The Workstation Professional can be combined with any ACI laser system. This means that it is suitable for working with materials such as metals, plastics, ceramics, films and glass. Typically, this system is used for large-scale production as well as large and heavy components.

It is a laser safety class 1 solution and therefore does not require any additional safety devices. This makes the Workstation Professional an attractive alternative to conventional marking technologies, even for small companies.

The capacious interior is easy to access and has a large T-slot table. This table has a mounting surface of 600 x 600 mm and can be loaded with parts up to a weight of 100 kg. A Z-axis portal enables the laser to travel 400 mm along the Z-axis, which is perfect for large and heavy workpieces. A focus finder helps to find the correct Z-axis position in no time at all. The system is also ideal for marking many small parts. An X-axis and an optional Y-axis table increase the total area available for marking to 350 x 510 mm, with the result that even parts in pallets can be marked in a single operation in the Workstation Professional. The laser travels the entire marking area in a single pass.

A comprehensive range of accessories allows a wide variety of marking jobs to be accomplished. For instance, there are axes of rotation for uniform marking around the perimeter of workpieces, film handling systems with winding and unwinding devices for marking film labels, type plate handling systems for the automated marking of type plates, and an XL package that provides even more space for customising your solutions. In addition, the Workstation Professional – like all of ACI's laser stations – can be customised to fulfil the customer's specific requirements.

Software

The laser system is controlled using our proprietary Magic Mark marking software. This software enables workpieces to be marked with text, graphics, codes (data matrix codes, barcodes), serial numbers and logos. It can also be used to

achieve uniform markings around the perimeter of workpieces with rotational symmetry. An intelligent user privilege management system facilitates the creation of different user groups. This way, the laser system can be adjusted to cater for the user's specific requirements. When using the laser system in automated production lines, fully automated operation – including data exchange with various data sources – can be achieved without any difficulties. Optionally, plugins such as the code or script module can be used to add extra functions to the Magic Mark software.

Find out more about software add-ons

Features

Laser class 1	●
Focus finder	−
Motorized x-axis	●
Motorized y-axis	○
Motorized z-axis	●
Axis of rotation	○
Integrated control panel	●
Laser protection window	●
Electric door	●
Manual door	−
Foil management	○

− imposible   ○ optional   ● series

Compatible lasers

COTwo Marker
DPL Lexis Marker
DPL Nobilis Marker
DPL Genesis Marker
DPL Magic Marker
DPL Nexus Marker
DPL Smart Marker
DFL Ventus Marker
DPL Magic Trimmer
DFL Brevis Marker
DFL Ventus Trimmer

Compatible accessories

Tool reader
AOI
CPM
Software connections
Axis solutions
Laser extraction systems
Laser safety
Magic Mark
AOI plugin
Contour Tool
Data Import plugin
GS1-Generator
OCR Plugin
Ruler Scale plugin

Laser marking system (choose from options)

Business CO2
Economy Diode
Business Diode
Economy Fibre
Business Fibre

Usable mounting surface on T-slot table (w x d)	600 x 600 mm	
X-axis travel	400 mm	
Y-axis travel	240 mm (optional)	
Z-axis travel	440 mm	
Marking area (choose from options*)	Business CO2	50 x 50 mm/90 x 90 mm/150 x 150 mm
	Economy Diode Business Diode IR	60 x 60 mm/110 x 110 mm
		100 x 100 mm
	Business Diode GN	95 x 95 mm
	Business Diode UV	110 x 110 mm
Safety door	Moves automatically	
Laser safety window dimensions (w x h)	450 x 300 mm	
Lighting	Integrated workspace lighting	
Extraction system	Connection ready for external extraction system	
Operation	Integrated membrane keyboard/control software	
Laser safety class	1	
Mains connection	230 V/8 A/50 Hz, 110 V/16 A/60 Hz	
Power consumption (without laser marking device)	Max. 400 W	
Interface	USB 2.0	
Weight (excl. laser device)	75 kg	
Dimensions (l x w x h)	Max. 1278 x 760 x 1072 mm	