Laser. Marking. Solutions.

ACI

Workstation RT400

Thoroughly sophisticated

Laser stations with guaranteed quality

Laser stations from ACI are designed as manual workstations for laser material processing of individual parts and small series, as well as fully automated all-in-one solutions for large quantities.

The **Workstation RT400** is a laser station with a turntable – it enables virtually uninterrupted laser marking of components and products.
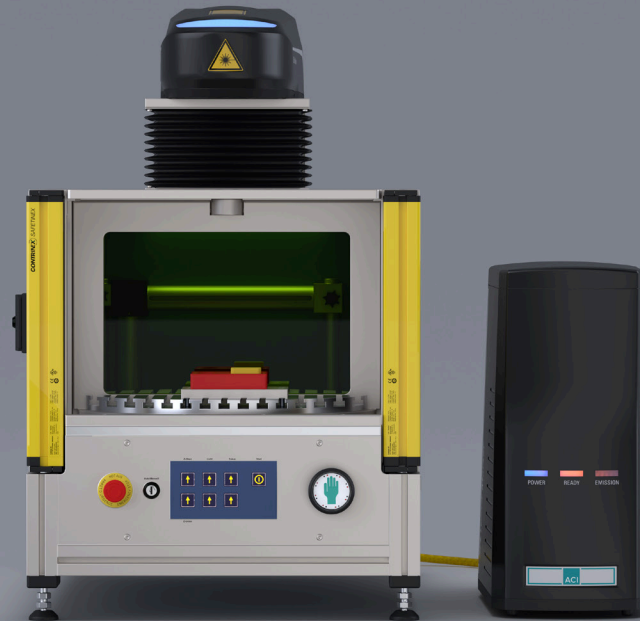
Turnkey system solutions in accordance with laser safety class 1 guarantee maximum safety. No additional safety devices are required. The ergonomically optimised device structure of the benchtop workstations and the practice-oriented functionality ensure excellent user satisfaction.

The **Workstation RT400** is compatible with all Business Fibre fibre lasers, making it ideal for marking on metals, plastics and ceramics.

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Faster laser marking

The compact Workstation **Workstation RT400** enables almost continuous laser marking of components and products. The **RT400** can be loaded and unloaded while the laser marking process is still in progress, and the time this saves is a boon to series production.

→ Features & benefits   → Technical specifications

Features

- Tabletop system

- Scope for connecting two presence detection sensors

- Digital inputs and outputs for controlling the table rotation

- Key-operated switch for switching between manual and automatic operation

- Integrated PLC

- Scope for connecting an external extraction system

- Single-handed operation using a touch button

- Side door to facilitate set-up

- Compatible with fibre laser systems in a range of different power classes
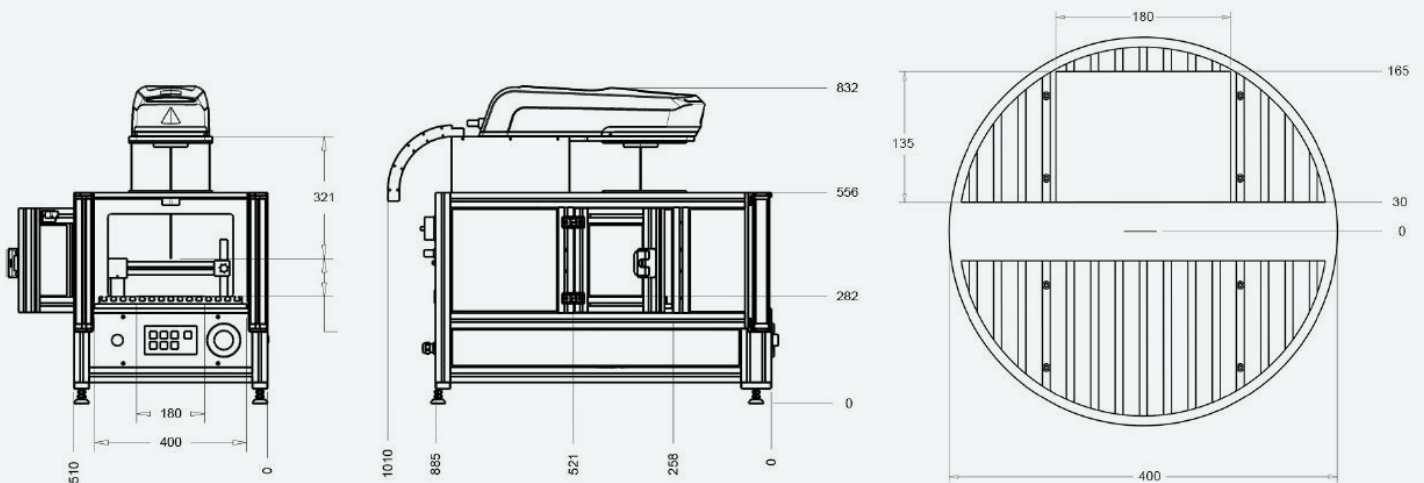
- Integrated focus finder

Benefits
Workstation
RT400

Laser station can be **loaded and unloaded** while the laser marking process is still in progress; virtually uninterrupted marking of series-produced items reduces cycle time

Programmable Z-axis for marking workpieces with height variations

Integrated light barrier **protects users**

Transparent partition with a laser safety window for optimal monitoring of the marking process

Design of the Workstation RT400

Workstation dimensions (w × h × d)
510 × 556 × 885 mm
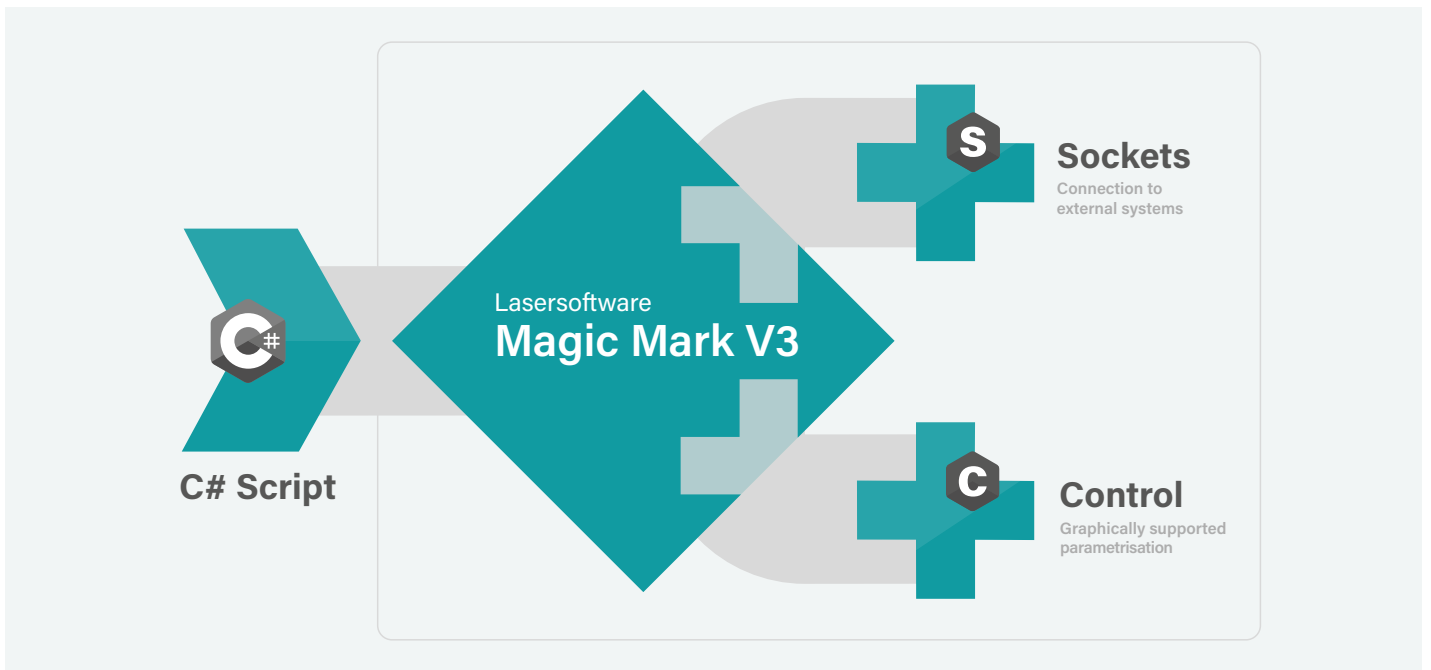
Weight (excl. laser)
~120 kg

Technical specifications

Workstation RT400

Laser	Yb:Fibre, 20 to 70 W (other laser types available on request)
Size of marking area	135 × 180 mm
Workstation dimensions w × h × d	510 × 556 × 885 mm
Weight (excl. laser)	~120 kg
Turntable diameter	400 mm
Angle of rotation	180°
Rotational speed	3 sec
Component height (max.)	100 mm (can optionally be increased to 135 mm with a focus shifter)
Load (max.) for each loading position	8 kg
Power supply	230 V AC/16 A
Operation	Manual or automatic operation, single-handed operation using a touch button, membrane keyboard
Interfaces	Scope for connecting two presence detection sensors, digital inputs and outputs, key-operated switch for switching between operating modes, integrated PLC, TCP/IP controller
Interlock connection	Two-channel interlock, SD-ready
Marking software	Magic Mark V3
Laser safety class	1
Functional safety in accordance with DIN EN ISO 13849-1	PLe

Software-based control

The modern software architecture of the **Magic Mark V3** laser marking software enables targeted access to all available functions and allows users to control the laser and laser peripherals (workstation/axis of rotation, etc.).

Internal programming

VB.Net [Winwrap Basic] integrated into Magic Mark V3

External programming

C#.Net [MS Visual Studio] Access to class library

Benefits of
Magic Mark V3

Software package included with product

Predefinable parameter sets

Easily add features through plugins

Partnerships with ACI Laser
Benefits for customers

The search for excellent partnerships is at the heart of everything we do. We offer our customers sustainable solutions based on all-encompassing advice, reliability and stability.

ACI Laser embodies:

✓ Made in Germany development and production with over 20 years of experience

✓ Complete solutions from a single source: Laser systems, protective housings, software and accessories

✓ Customisable laser systems

✓ Functions can easily be added to the software using plugins

Made in Germany

Laser. Marking. Solutions.

Company
headquarters
Nohra

Lüdenscheid

Chemnitz

Hausen

We would be happy to advise you.

We guarantee you a tailor-made, all-in-one solution that
meets the requirements of your application. Our experienced
sales team will provide you with comprehensive, in-depth
advice. We look forward to hearing from you.

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