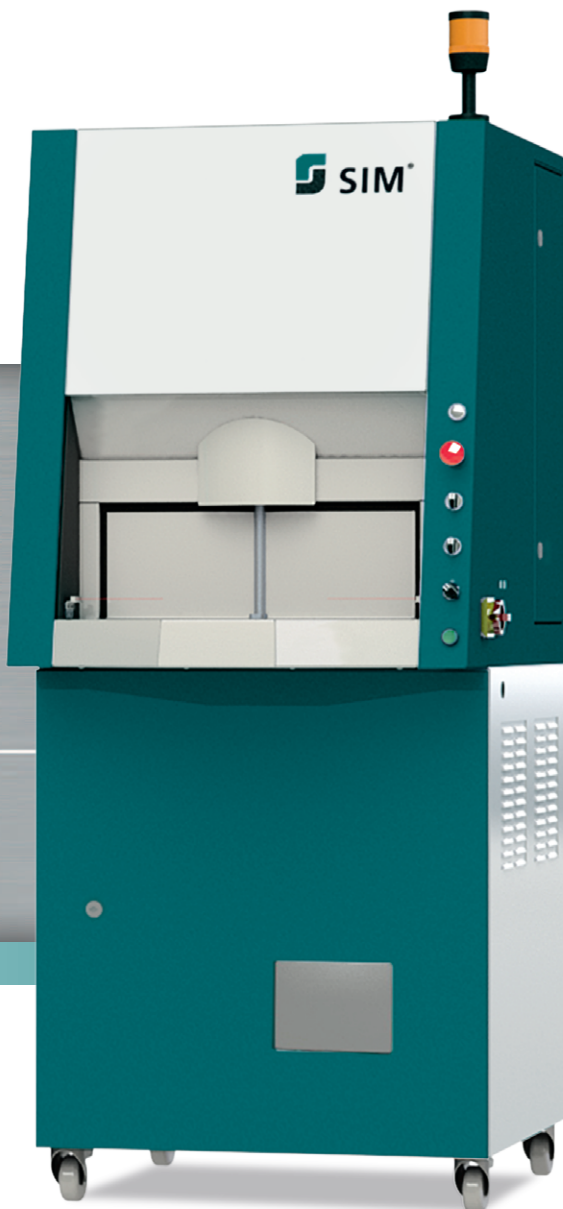


Automated laser marking system **SIM-Marker Rotary**



Expertise based on experience®

Successful together!

SIM Automation GmbH

Manufacturer of:

- Customised assembly systems
- Testing and inspection systems
- Feeding systems

Keyence Deutschland GmbH

Manufacturer of:

- Laser marking equipment
- Sensors / optical measuring technology
- Microscopes / macrosopes

If you need:

- Product traceability
- A self-contained marking system with integrated autofocus for simultaneous X, Y and Z-axis control of the laser beam
- Fully automated marking of your products, e.g. with barcode, DMC code, series and batch number or plain text for quality-related information
- A customised solution

The SIM-Marker Rotary is the right choice for you!

The SIM-Marker Rotary laser marking system can be used to label 2D and 3D models



2D



3D



SIM-Marker Rotary versions

Standard

- Electrical adjustment of the focal point
- Side door, double-bit lock
- Connection to PC via LAN or USB

Customised

- Integrated suction (automatically activated while marking)
- PC or notebook with side table

PC, screen or notebook are provided by the customer and are not included in the scope of delivery. The Keyence operating software is installed on the PC or notebook provided by the customer.

Laser variants

MD-X series



MD-F series



MD-U series



MD-X series

Keyence YVO₄ laser marking system
13W / 25W

- Marking of metal, plastic and ceramic
- Processing of thin films and all-purpose applications
- Integrated camera for reading 2D codes

MD-F series

Keyence fibre laser marking system
30W / 50W

- Marking of metal, plastic and ceramic
- High-performance engraving of metals

MD-U series

Keyence UV laser marking system

- Higher contrast and improved readability due to “cold marking”
- Marking of metal, plastic and ceramic

Technical information about integrated laser

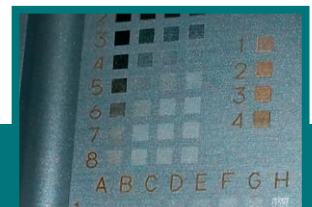
Marking area	<ul style="list-style-type: none"> ■ From 120 x 120 mm to 330 x 330 mm ■ Tray insert containing several parts for marking reduces loading time
Marking resolution	<ul style="list-style-type: none"> ■ 2–5 µm (depending on type)
Scanning speed	<ul style="list-style-type: none"> ■ Max. 12,000 mm/sec
Integrated performance monitoring	<ul style="list-style-type: none"> ■ With alarm output ■ Ensures constant quality of marking and therefore increases process reliability
Option	<ul style="list-style-type: none"> ■ Software for reading 2D codes

Also possible with the SIM-Marker

- Focal point can be set within a range of 42 mm (±21 mm)
- Autofocus with 3-axis laser control (simultaneous control of the X, Y, and Z-axis of the laser optics)
- Distortion-free marking of 3D objects such as slanted surfaces, cylinders, spheres and cones

SIM-Marker Rotary data sheet

Standard	<ul style="list-style-type: none"> ■ Laser marking cell with underframe: 819 x 2020 x 1140 (W x H x D) ■ Diameter rotary table: 550 mm ■ Z-axis adjustment area: 300 mm ■ Max. height of the part to be marked: 180 mm with workpiece carrier ■ Passage opening revolving door at the front: 220 x 185 mm (W x H) ■ Window in the left side wall: 210 x 290 mm (W x H) ■ Suction hose connection: Ø 50 mm ■ Electrical connection: 230V ~ ■ Interior lighting: Lamp
Options	<ul style="list-style-type: none"> ■ Movable external extraction system with “universal” filter insert



Other SIM markers

SIM-Marker Mini



SIM-Marker Compact



SIM-Marker Classic



SIM-Marker Plus



	Mini	Compact	Classic	Plus
Door opening W x H	350 x 650	400 x 270 x 320 (D) open on 3 sides	625 x 375	1000 x 505
T- groove plate W x D	Base plate 350 x 350	400 x 400	400 x 500	800 x 800
Interior size W x D	370 x 460 660 without lift table	450 x 750	600 x 720	1100 x 1000
Max. height of the part to be marked	300	200	300 230 at drawer	500
Z-axis adjustment area	Lift table 300	200	300	500 (600 man.)

all dimensions in mm

SIM – Expertise based on experience

SIM Automation GmbH has been a manufacturer of special-purpose machines for over 50 years and focuses on developing and manufacturing **individual, customised all-in-one solutions**. The product range includes assembly systems and feeding technology as well as testing and inspection systems and system components.

We work in the following sectors:

- Medical technology
- Pharmaceutical diagnostics
- Cosmetics
- Automotive
- Electrical engineering

Your expert partner

- Production facilities are technically and economically optimised to meet customer requirements
- Improved availability with SIM quality and SIM service
- Certified according to DIN ISO 9001:2015



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