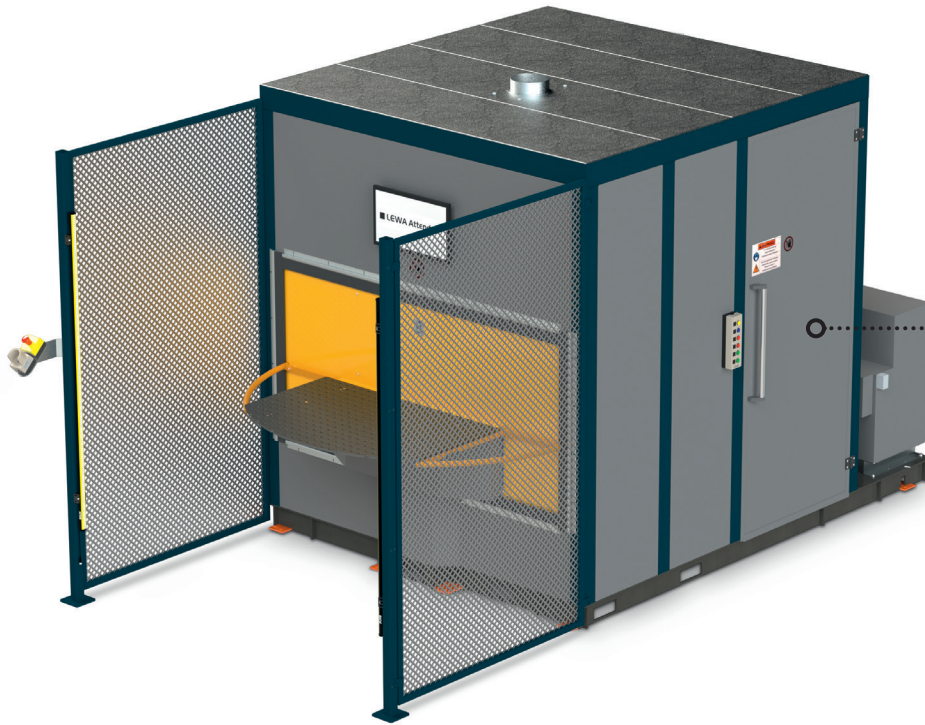
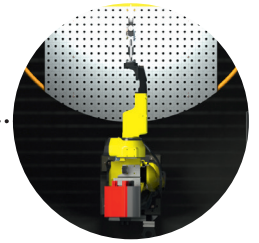


Configuration Type:  
FANUC®/IPG®



With  
FANUC® robot



Explore  
all views!



scan me



click

CompactLine

# LCM SD-250 LASER

## Dual Station Turntable

### Designed with flexibility and productivity in mind

- Compact turntable with optional external drive axis
- Maximum material flexibility of the possible materials (including steel, stainless steel, aluminum, copper)

### Key Features

- High integration of the laser source into the FANUC® robot controller
- Electrically driven 2-station turntable with servo drive
- IPG® LightWeld laser system for welding and cleaning (3 variants of laser welding machines)
- Laser safety housing for category 4 lasers in accordance with DIN EN 60825-4
- Welding process with and without filler wire
- FlexLayout enables automated and manual welding and cleaning processes
- Complete system structure on one platform
- Optional additional rotary axes for synchronized robot movements and optimum welding results for even more flexibility

**High productivity  
and flexibility**

**Reproducible  
weld seam quality**

**Easy transportation and  
installation (Plug & Play)**

**Highest security standards,  
accepted worldwide**



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## CONFIGURATION

### ROBOT

FANUC® AM 100iD (R1,636 mm/PL10 kg)

### LASER EQUIPMENT

IPG® Laser-System LightWELD 1000 incl. Cobot Kit, hose package 5 m (standard)

**Single-Mode / Functions:** Welding / **Power:** 1,000 W /

**Materials:** Steel, Aluminium / **Filler wire:** Yes

### PLATFORM AND ENCLOSURE

Platform, accessories and installation material, safety fence (laserclass 4), incl. light barrier and external start, Euchner® CEM service door interlock

### POSITIONER – TURNTABLE

Turntable SD2V-250 (ServoDrive) BasePlate (Side A/B)

### CONTROLS

Cabinet for safety-components and I/O-Hardware (H×W 800×600 mm), program sequence and safety via robot control, external start button

### COMMISSIONING

Commissioning and functional test before delivery

## OPTIONS

### LASER EQUIPMENT

- IPG® Laser-System LightWELD 1500 XC incl. Cobot Kit, hose package 5 m (standard)

**Multi-Mode / Functions:** Welding & Cleaning /

**Power:** 1,500 W / **Materials:** Steel, Aluminium /

**Filler wire:** Yes

- IPG® Laser-System LightWELD 1500 XR incl. Cobot Kit, hose package 5 m (standard)

**Multi-Mode / Functions:** Welding & Cleaning /

**Power:** 1,500 W / **Materials:** Steel, Aluminium, Copper, Titanium, Nickel Alloy / **Filler wire:** Yes

#### Additional Options:

- Wire feeder incl. adapter

- Monitoring laser cell (1× videocam, 1× monitor 21")

### ARC-WELDING SENSORS

- Servo-Robot Fuji-Cam 2.0

### TURNTABLE

SD2V-225H/V (2×ext. Robot-Axis)

### CONTROLS

#### Options Cabinet I:

- 16 digital Inputs for sensor detection

- 16 digital I/O and power supply for clamping fixtures

- PLC control with HMI:

· Siemens® PLC CPU 1512SP Failsafe with HMI TP700

· Rockwell® Allen-Bradley® PLC CPU 5069-L306ERMS3 with HMI TouchPanel 5310 7"

- Network of components via BUS System

- Remote-diagnostics VPN Router (Mbconnect816-Router)

### OPERATOR AREA

- Workplace lighting on the operator side

- Compressed air connection via quick release coupling at the operator's side

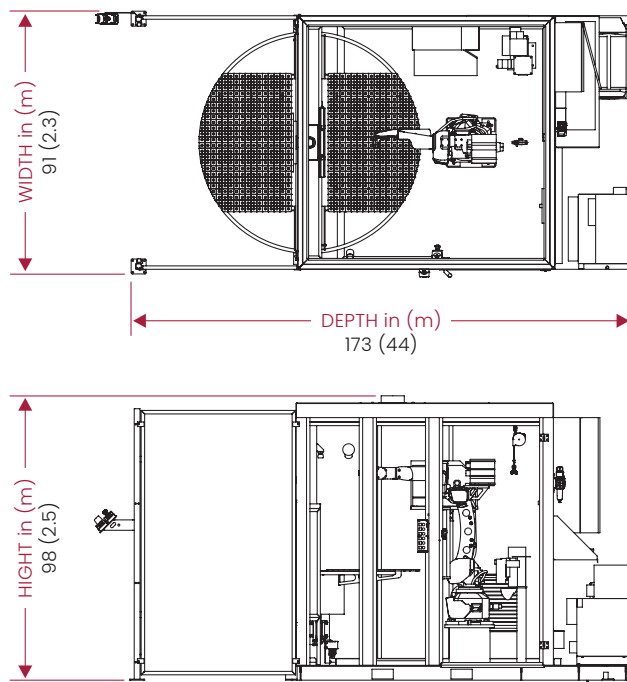
## DIMENSION

Footprint (D/W/H) in (m)	Working Tool Envelope in (m)	Number of Work Zones	Weight Capacity per Side - dep. on the type of fixt. mounting - lbs (kg)	Positioner Rotation sec
173 (4.4) D / 91 (2.3) W / 98 (2.5) H	31 (0.8) × 20 (0.5)	2	Type 1: 551 (250) Type 2/3: 220 (100)	5

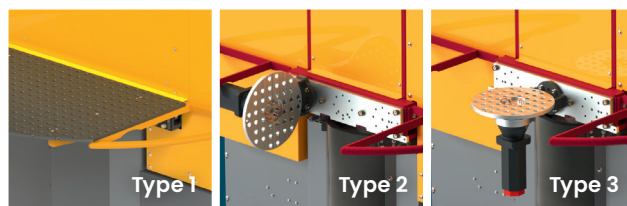
CompactLine

## LCM SD-250 LASER Dual Station Turntable

Configuration Type: FANUC®/IPG®



## AVAILABLE FIXTURE MOUNTINGS



## COMPREHENSIVE PROJECT MANAGEMENT

We not only offer cell solutions, but also comprehensive project management through to turnkey solutions. If required, we can provide you with training, process support, clamping fixtures and tooling.



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Please note: Subject to technical changes.

June 2025