

Configuration Type:  
FANUC®/IPG®

With FANUC®  
CRX robot



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CompactLine

# LCM iD-125 CRX 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
- Manual index table with a pneumatic impulse start to relieve the strain on employees
- 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
- FlexLayout enables automated and manual welding and cleaning processes
- Welding process with and without filler wire
- Complete system structure on one platform

**High productivity  
and flexibility**

**Reproducible  
weld seam quality**

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

**Highest security standards,  
accepted worldwide**

**Easy usability  
(collaborative robot)**



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## CONFIGURATION

### ROBOT

FANUC® CRX-10iA (R1,248mm/PL10kg)

### 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 iD-125 (ImpulseDrive) 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

### CONTROLS

#### Options Cabinet I:

- 16 digital Inputs for sensor detection

- 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

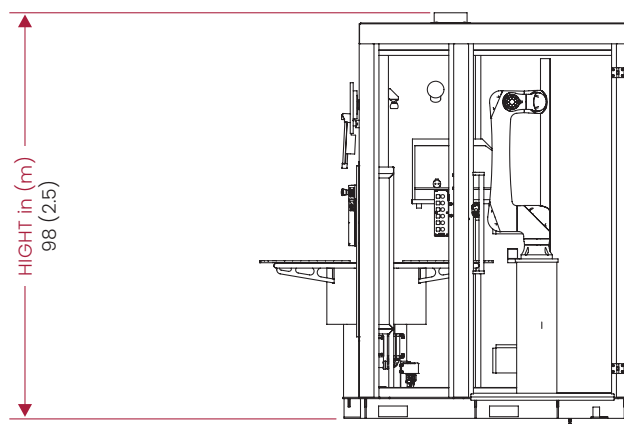
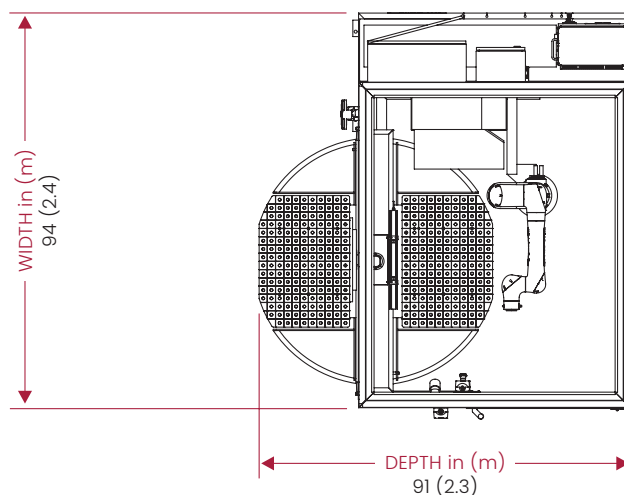
## DIMENSION

Footprint (D/W/H) in (m)	Working Tool Envelope in (m)	Number of Work Zones	Weight Capacity per Side lbs (kg)
91 (2.3) D / 94 (2.4) W / 98 (2.5) H	31 (0.8) × 20 (0.5)	2	276 (125)

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## 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