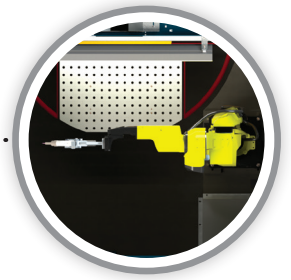


Configuration Type:
FANUC®/IPG®

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, modular and easy to transport
- 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

Safety conformity
according to
CE/ANSI/RIA

Easy transportation
and installation
(Plug & Play)

High productivity

Reproducible
weld seam quality



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EMPOWERING THE FUTURE

CONFIGURATION

ROBOT

FANUC® AM100iD (R1,636 mm/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 SD2V-250 (ServoDrive) BasePlate (Site A/B)

CONTROLS

Cabinet for safety-components and I/O-Hardware
(H×W 800×600mm), 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

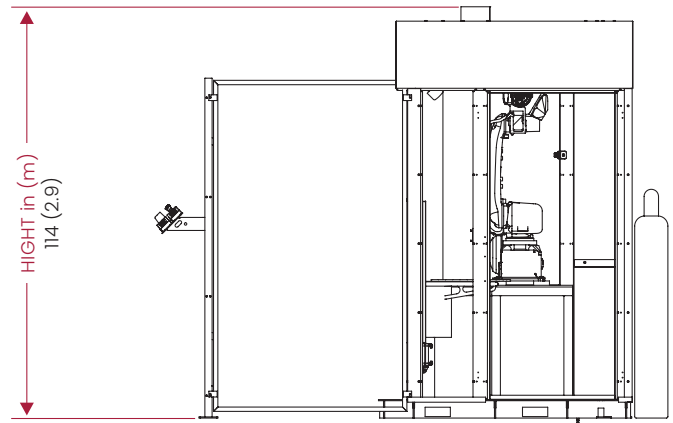
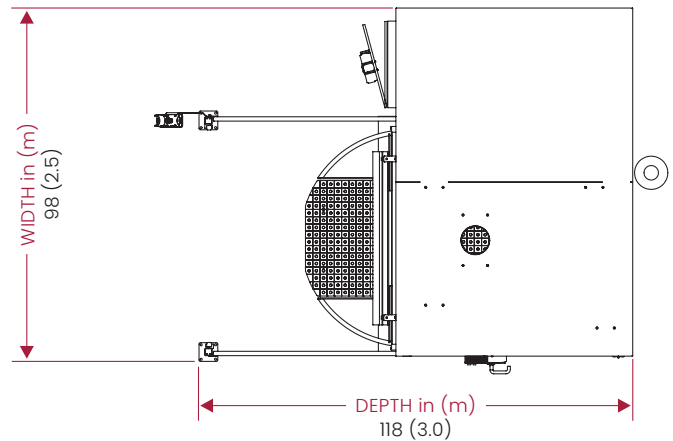
Footprint (D/W/H) in (m)	Working Tool Envelope in (m)	Number of Work Zones	Weight Capacity per Side – depending on the type of fixture – lbs (kg)	Positioner Rotation sec
118 (3.0) D / 98 (2.5) W / 114 (2.9) H	32 (0.8) × 20 (0.5)	2	Type 1: 551 (250) Type 2/3: 221 (100)	5

CompactLine

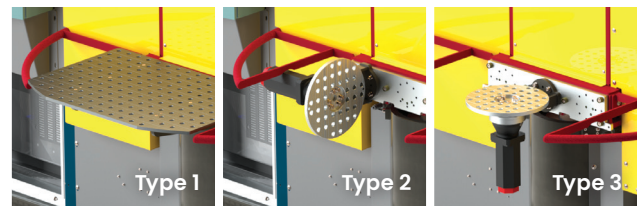
LCM SD-250 LASER

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.

Please note: Subject to technical changes.



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