**With
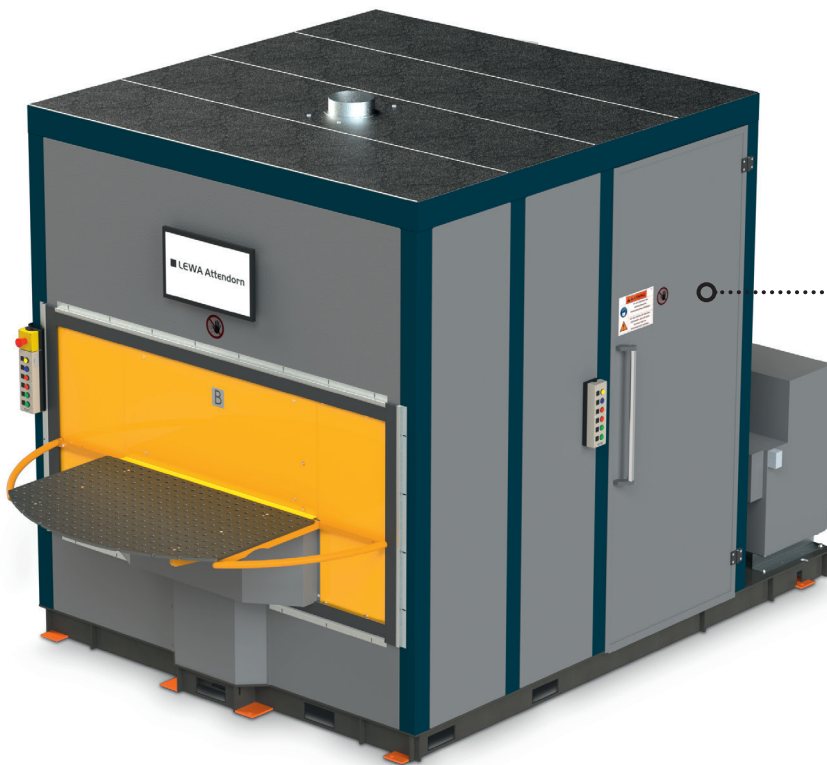FANUC® robot**

**Explore
all views!**

360°

CompactLine

LCM iD-125 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

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CONFIGURATION

ROBOT
FANUC® AM 100iD (R 1,441 mm / PL 10 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 iD-125 (ImpulseDrive) BasePlate (Side A/B)

CONTROLS
Cabinet for saftey-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

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WIDTH in (m) 87 (2.2)
DEPTH in (m) 150 (3.8)

HIGHT in (m) 98 (2.5)

AVAILABLE FIXTURE MOUNTINGS

Type 1 | Type 2 | Type 3
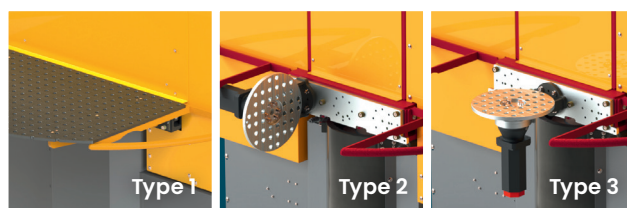
COMPREHENSIVE PROJECT MANAGEMENT
We not only offer cell solutions, but also comprehensive project management through to turnkey solutions. If required, we can provide you with training, process support, clamping fixtures and tooling.
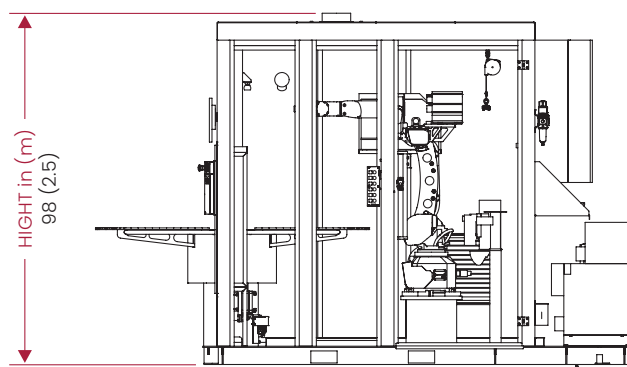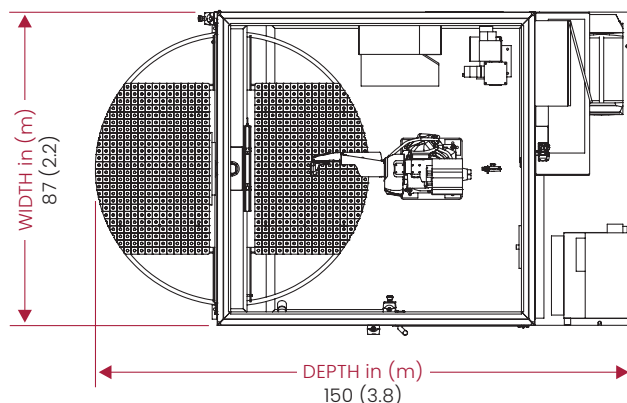
DIMENSION

Footprint (D/W/H) in (m)	Working Tool Envelope in (m)	Number of Work Zones	Weight Capacity per Side - dep. on the type of fixture mounting - lbs (kg)
150 (3.8) D / 87 (2.2) W / 98 (2.5) H	31 (0.8) × 20 (0.5)	2	Type 1: 276 (125) Type 2/3: 220 (100)

Please note: Subject to technical changes.

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