

Configuration Type:
FANUC®/Fronius®

With
FANUC® robot



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CompactLine

LCMflex SD-750 FW

Dual Station Ferris Wheel

Designed with flexibility and productivity in mind

- Ferris Wheel style positioner
- Dual station design increases robot efficiency and cell productivity

Key Features

- Fully Integrated with FANUC® Robots
- Electrically Driven Servo Drive
- Fronius® Welding Power Supply
- Solid Panel Safety Enclosure
- Common Platform Base minimizes installation/relocation time
- Engineered for high productivity/high duty cycle use

**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

1× or 2× FANUC® AM100iD (R1,441mm/PL10kg)

WELDER

1× or 2× Fronius® TPS 320i (air-cooled)

PLATFORM AND ENCLOSURE

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

POSITIONER – FERRIS WHEEL

Ferris Wheel FW SD2H-750H (ServoDrive)

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

WELDER

Fronius® TPS 400i (air-cooled)

Additional Options:

- Welding Package Pulse
- Fronius® Package "PushPull-System"
- Fronius® Package "CMT"

WELDING EQUIPMENT – TORCH MANAGEMENT

- Torch Cleaner
- Wire Cutter
- AutoTool by LEWA Attendorn

ARC-WELDING SENSORS

- FANUC® Touch-Sensing
- FANUC® Seam-Tracking
- Servo-Robot Fuji-Cam 2.0

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)

Options Cabinet II:

- Central power distribution and fuse protection for all individual components

OPERATOR AREA

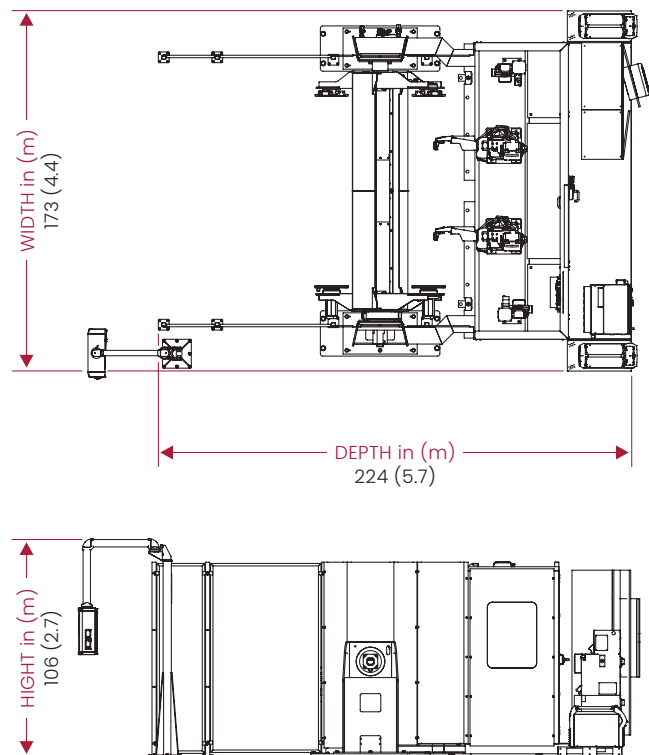
- Workplace lighting on the operator side
- Compressed air connection via quick release coupling at the operator's side

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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.

DIMENSION

Footprint (D/W/H) in (m)	Working Tool Envelope in (m)	Number of Work Zones	Weight Capacity per Side lbs (kg)
224 (5.7) D / 173 (4.4) W / 106 (2.7) H	98 (2.5) × 47 (1.2)	2	1,653 (750)

Please note: Subject to technical changes.



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