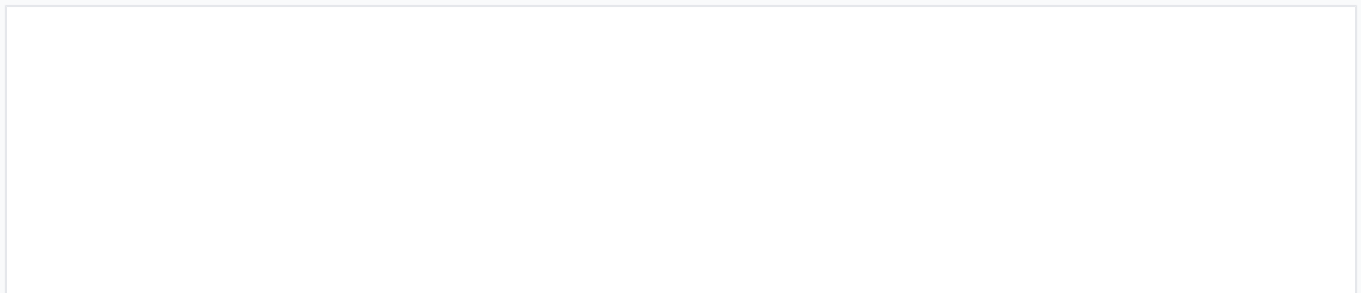


Industrial Welding Robot Arm

This industrial robot arm is designed for welding and cutting applications. It features a 10kg payload capacity and a maximum reach of 1440mm.



Overview



The MR10-1440 industrial robot arm features a robust design suitable for various automated tasks.

Industrial Welding Robot Arm

This high-performance 6-axis industrial robot arm is designed for precision in automated welding and cutting applications. With a 10kg payload capacity and a 1440mm reach, it offers robust performance for medium-duty tasks in automotive, aerospace, and general manufacturing. The system features advanced motion control, flexible mounting options, and a comprehensive controller unit, ensuring reliability and operational efficiency.

Key Metrics

Performance Highlights

10 kg

Payload Capacity

1440 mm

Max Reach

6

Axes

0.05 mm

Repeatability

Mechanical Specifications



Articulated 6-axis design ensures precise path planning and smooth motion for welding operations.

Protection Rating

J1/J2: IP56 • J3-J6: IP67

Robot Weight

172 kg

Mounting Options

Floor, Wall, Inverted

Controller & Electronics

Power Supply

Three-phase AC380V 50/60Hz

Communication Protocols

EtherCAT, TCP/IP, RS485, RS422, RS232, CAN, USB

Controller Dimensions

600 x 500 x 590 mm

Operating Environment

Operating Temperature

0 to +45°C

Relative Humidity

10% - 90% (non-condensing)

Axis Performance

Axis Motion Ranges

Axis	Range	Max Speed
1 (S)	±170°	199.5°/s
2 (L)	+90° to -155°	159.3°/s
3 (U)	+150° to -85°	199.5°/s
4 (R)	+190°	392°/s
5 (B)	+105° to -130°	272°/s
6 (T)	±360°	520°/s