

Industrial Robotic Arm for Material Handling

This industrial robot is designed for stacking, unstacking, transferring, stamping, loading, and unloading applications. It is suitable for use in the packing, drinking, chemical, and food industries.



Overview

Industrial Robotic Arm for Material Handling

This high-performance industrial robotic arm is engineered for precise material handling, featuring a robust 4-degree-of-freedom design. It is optimized for versatile automation tasks, including stacking, unstacking, transferring, stamping, and loading/unloading across sectors such as food, chemical, and packaging industries. With a 50kg payload capacity and advanced AC servo drive technology, it delivers reliable efficiency and repeatable performance for demanding production environments.

Key Metrics

Payload Capacity

50 kg

Payload

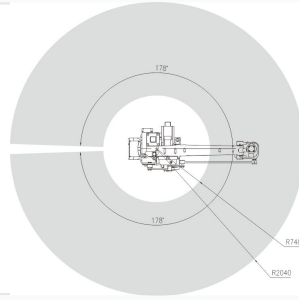
660 kg

Machine Weight

2040 mm

Motion Radius

Technical Specifications



Operational range diagram illustrating the 178-degree motion capability and reach dimensions.

Core Technical Details

Feature	Value
Degrees of Freedom	4
Drive System	AC Servo Drive
Repeatability	±0.2 mm
Wrist Allowable Load Inertia	4.5 kg·m ²
Cycle Time	1700 r/h

Joint Motion Range

Joint	Range (°)	Top Velocity (m/s)
J1	±178	171
J2	+90~-40	171
J3	+65~-78	171
J4	±360	222

Applications

Automation Tasks

- Stacking
- Unstacking
- Transferring
- Stamping
- Loading and Unloading

Suitable Industries

Packaging, Beverage, Chemical, Food Processing