

Articulated Robotic Arm 6kg Payload 1400mm Reach

This articulated robotic arm is designed for precision tasks in automated manufacturing and agricultural applications. It features six degrees of freedom, enabling complex movements and precise positioning.



Overview

High-Precision Articulated Robotic Arm

This versatile robotic arm is designed for precision tasks in automated manufacturing and agricultural applications. Featuring six degrees of freedom, it enables complex movements and precise positioning for a wide range of industrial needs. With a 6kg payload capacity and a 1400mm reach, it is an ideal solution for pick-and-place, assembly, welding, and material handling processes.

Performance Metrics

Key Performance Indicators

0.05 mm

Repeatability

1 m/s

Moving Speed

Payload Capacity

6 kg

Maximum Reach

1400 mm

Technical Specifications

Spatial Accuracy Details

Metric	Value
Spatial straight line accuracy	< 0.3mm
Spatial arc precision	< 0.5mm

Degrees of Freedom

6

Applications

Suitable Applications

Pick-and-place, Assembly, Welding, Material Handling, Agricultural Automation