

SCARA Robot for Industrial Automation

This SCARA robot is widely used in the electronics, plastic, drug, and food industries. It performs grasping, assembly, and gluing operations.



Overview

High-Performance SCARA Robot

This SCARA robot is engineered for demanding industrial automation tasks, offering a balance of high speed and precision. It is widely utilized in sectors such as electronics, plastics, pharmaceuticals, and food processing for operations including assembly, material handling, and gluing. Its robust construction and compact design ensure reliable, consistent performance in fast-paced manufacturing environments.

Performance Metrics

Key Performance Indicators

0.68 s

Standard Cycle Period

5 kg

Max Payload

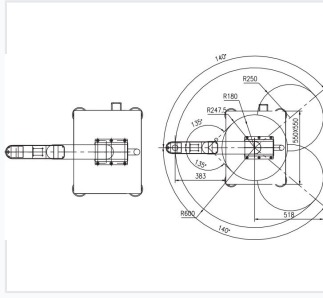
0.01 mm

Repeatability (X,Y,Z)

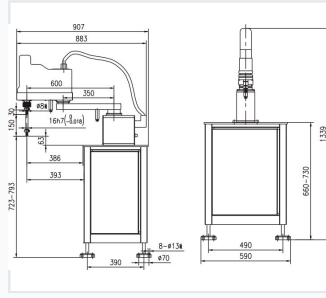
Axis Speed

Axis	Top Speed
X and Y Axes	5.5 m/s
Z Axis	1.1 m/s
R Axis	588 °/s

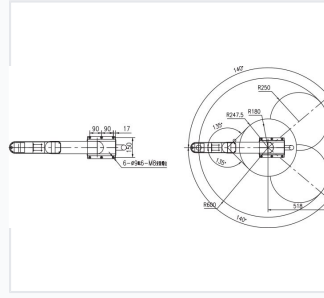
Technical Specifications



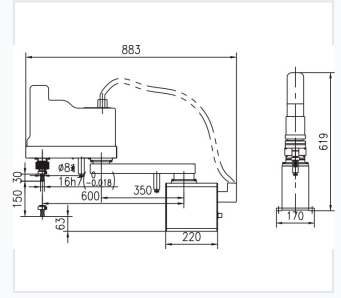
Detailed motion range diagram highlighting reach radii and rotation angles.



Dimensional layout including base footprint and vertical height specifications.



Mounting interface and installation geometry for system integration.



Vertical travel range and compact base assembly dimensions.

Range of Motion

Axis	Arm Length / Stroke	Rotation Range
X Axis	350 mm	±140°
Y Axis	250 mm	±135°
Z Axis	150 mm	-
R Axis	-	±360°

Loading Capacity

- Rated Load: 2 kg
- Maximum Load: 5 kg

Machine Weight

160 / 23 kg

Applications

Primary Operations

Grasping • Assembly • Gluing

Industry Applications

Electronics, Plastic Industry, Pharmaceuticals, Food Industry