

Industrial Articulated Robot

This industrial robot is widely used in burnishing, polishing, machine loading/unloading and automatic transport on punching automation production lines. It features a payload capacity of 8 kg and a repeatability of ± 0.05 mm.

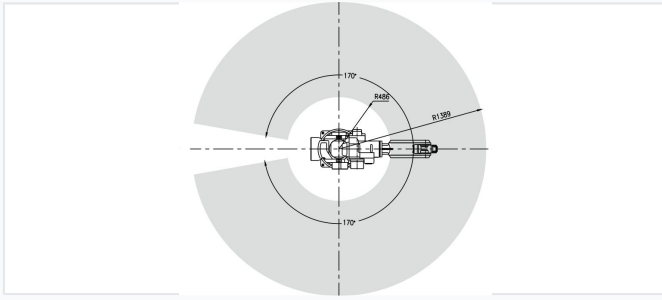


Overview

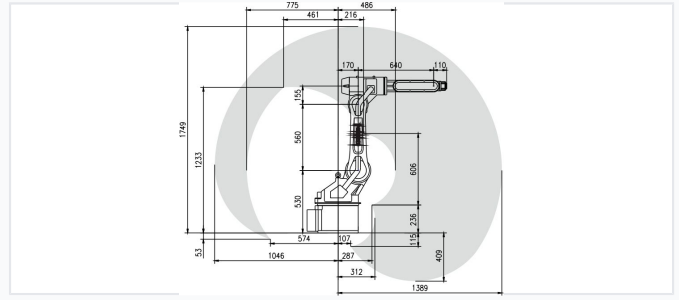
Industrial Articulated Robot

This high-performance industrial robot is engineered for versatility and precision in demanding manufacturing environments. Featuring 6 degrees of freedom and an 8 kg payload capacity, it is ideal for tasks such as burnishing, polishing, machine loading/unloading, and automated transport on production lines. Its robust construction and advanced servo drive system ensure reliable, high-speed operation with minimal maintenance requirements.

Technical Specifications



Visual representation of the robot's spatial reach and motion range, showing a 170-degree range of motion.



Detailed dimensional drawing for engineering and integration planning.

Core Performance Metrics

6 DOF

Degrees of Freedom

8 kg

Payload Capacity

0.05 mm

Repeatability

1389 mm

Motion Radius

180 kg

Machine Weight

Motion Range

Axis	Range (°)
J1	±170
J2	+120 ~ -85
J3	+75 ~ -155
J4	±180
J5	±135
J6	±360

Velocity and Torque

Axis	Top Velocity (°/s)	Top Torque (N.m)
J1	154	-
J2	154	-
J3	154	-
J4	420	14
J5	252	12
J6	620	7

Drive System

AC Servo Drive

Applications

Common Applications

Burnishing, Polishing, Machine Loading/Unloading, Automatic Transport, Punching Automation