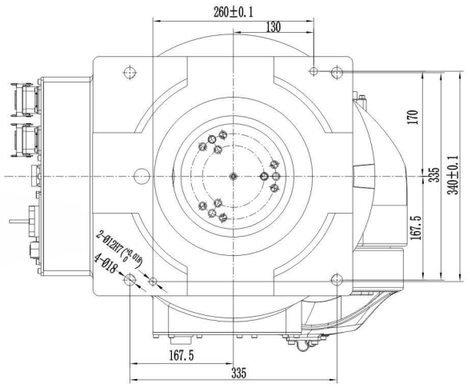
CRP-RH20-10

Industrial Robot **Handling Application**

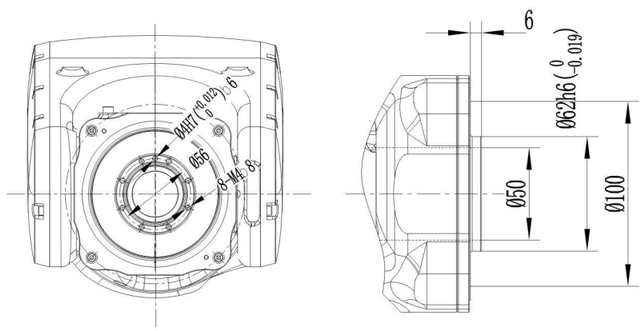
Functional Features

★With compact design 10kg payload and about 2.0 meters arm span, it can be installed on the ground or upside down flexibly.
★With large working space and fast running speed, it is suitable for welding, spraying, loading and unloading, handling, sorting, assembling and other applications.
★The safety emergency stop board is independent of the controller, and the safety relay circuit is adopted to provide double circuit emergency stop to ensure the reliability of emergency stop.
★The robot body cables are made of special cables for highly flexible robots.
★Built-in three-phase transformer, 380V and 200V isolation, more stable power supply.
★Power supply requirements can be customized for different countries. Built-in three-phase filter can effectively improve the performance of EMC and EMI.
★The robot body is with dual-circuit gas pipe and meets welding and handling requirements

Installation Interface Diagram



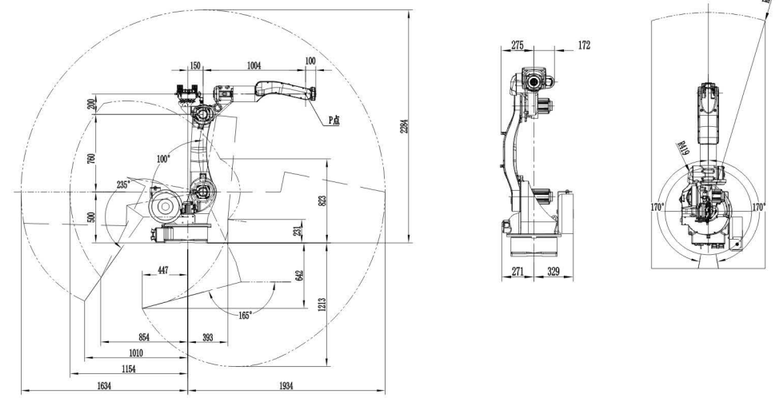
Installation Dimension of Base



Flange Dimensions

UMPI3D

Motion Range Diagram



Robot Body Technical Parameters

Model		CRP-RH20-10
Arm form		Vertical multiple joints
Degree of freedom		6 axis
Maximum payload		10KG
Maximum travel	axis 1	Ground/upside down mounting -167°~167°, wall mounting -30°~30°
	axis 2	0° - 175°
	axis 3	-80° - 150°
	axis 4	-190° - 190°
	axis 5	-105° - 130°
	axis 6	-210° - 210°
Maximum speed	axis 1	159°/S
	axis 2	159°/S
	axis 3	169°/S
	axis 4	280°/S
	axis 5	240°/S
	axis 6	483°/S
Allowable torque	axis 4	24N.m
	axis 5	24N.m
	axis 6	14N.m
Allowable moment of inertia	axis 4	1.4kg.m²
	axis 5	1.4kg.m²
	axis 6	0.5kg.m²
Repeated positioning accuracy		±0.08mm、
Maximum reaching distance		1920mm
Robot body weight		288KG
Installation mode		Ground or upside down mounting or wall mouting
Installation environment	ambient temperature	0~45°C
	relative humidity	20~80%ı(No condensation)
	vibration	Under 0.5 G
	Others	Robot installation must be away from: Flammable or corrosive liquids or gases, electrical sources of interference
IP level		Body IP54 , wrist IP
Advantage features		Compact structure, high speed, high precision, high expansibility and easy operation
Application		Welding, cutting, assembly, handling, marking, grinding

@copyright UMPI 3D SL