

# 6 axis Industrial Collaborative Robot



## Introduction

MR-5 Optimus robot is a industrial collaborative robot. It is a new robotic arm which is safe to work with humans.

This robot small size light weight, is dedicated to arc welding robot, can realize the stable welding, obtain high precision welding path, shorten the welding cycle, extend the life of the pipe and cable at the same time SA series welding robot can flexible welding operations within the narrow space, can easily choose the ground installation mount inversion

## Advantage

1. Stability and improve quality, ensure its homogeneity;
2. Improve productivity, available 24 hours a day continuous production;
3. Improving labor conditions, long-term work in a hazardous environment;
4. Reduce the operation technique requirements;
5. Reduce product modification replacement cycles, reduce investment in appropriate equipment;
6. Realization of welding automation of batch products;
7. Save floor space;
8. Safe to work with humans.

## Specification

Model		MR-5
Payload		5 KG
Arm Length		924 mm
Number of Axis		6
Max speed	Axis1	150 °/S
	Axis2	150 °/S
	Axis3	150 °/S
	Axis4	180 °/S
	Axis5	180 °/S
	Axis6	180 °/S
Max Operation Area	Axis1	±175°
	Axis2	±175°
	Axis3	±175°
	Axis4	±175°
	Axis5	±175°
	Axis6	±175°
Weight		24kg
Liner speed		2.8 m/s
Power consumption		200 W
Input voltate		DC 48 V
IP Classification of Robot		IP54
Position Repeatability		0.02 mm
Working temperature		0-45 °C

Controller:



Teach pendant



Work Envelope:

