

AIR165-A

High speed High precision High stability



Spot welding manipulat Slim wrist

- AIR165-A is capable of continuous spot welding and rapid short-distance displacement, and can achieve fast movement of 50mm displacement within 0.5s.
- AIR165-A has a slim wrist which is very suitable for spot welding in the body compartment.
- AIR165-A is equipped with dress package, which makes the welding cable and hose (water/gas) closely attached to the robot body, effectively reduces space interference, cable wear and splashing damage, very suitable for automobile spot welding with high movement complexity.



Туре		AIR165-A
Axes		6
Payload		165kg
	Weight	1200kg
Manipulator	Reach	2750mm
Positioning accuracy	Position repeatability	±0.1mm
IP Ingress Protection		IP54
Mounting		Floor
Working range	Axis 1 rotation	-170° /+170°
	Axis 2 arm	-60° /+85°
	Axis 3 arm	-120° /+ 155°
	Axis 4 wrist	-360° /+360°
	Axis 5 bend	-125° /+125°
	Axis 6 turn	-360° /+360°
Rotation rate	Axis 1 rotation	125° /s
	Axis 2 arm	113° /s
	Axis 3 arm	125° /s
	Axis 4 wrist	180° /s
	Axis 5 bend	175° /s
	Axis 6 turn	280°/s
Controllers		ARC4-165

* If the mechanical limit is removed, the working range can reach -180° /+180°