



Auto-Arc Robots

The Auto Arc series of robots are designed specifically for arc welding applications. The robots are equipped with an anti collision torch and through flange design allowing 360 degree rotation in either direction. This feature allows the robot to weld 360 degrees around pipe or any weldment with minimal robot manipulation. The robots all come standard with an ethercat servo system which allows lightning fast communication between the controller and servo system. All wiring is encased in protective loom to keep debris and sparks free from wiring, which is essential in welding applications.

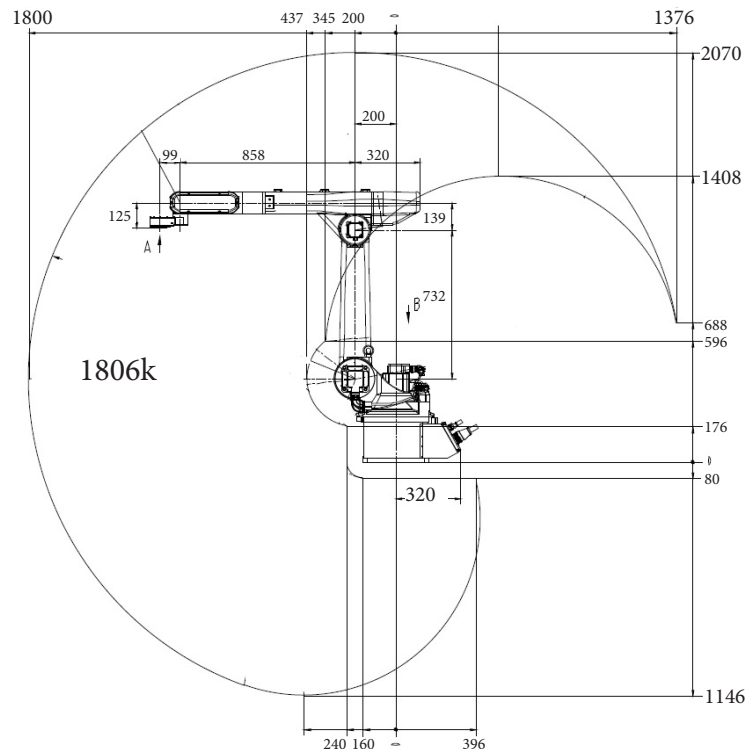
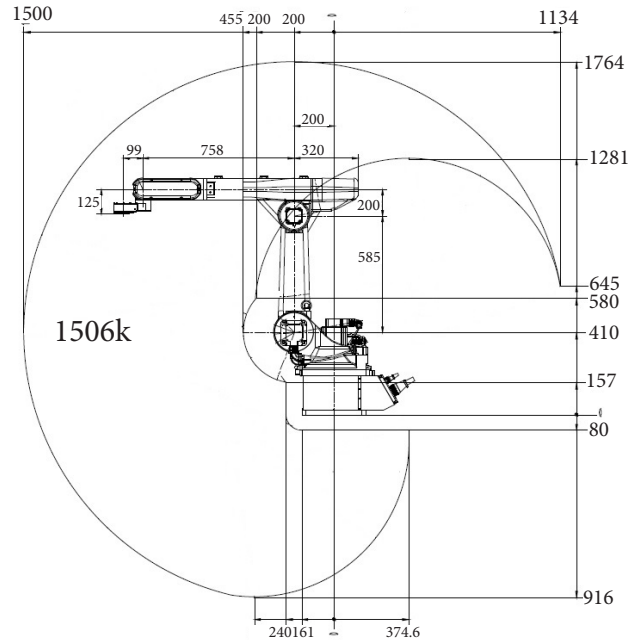
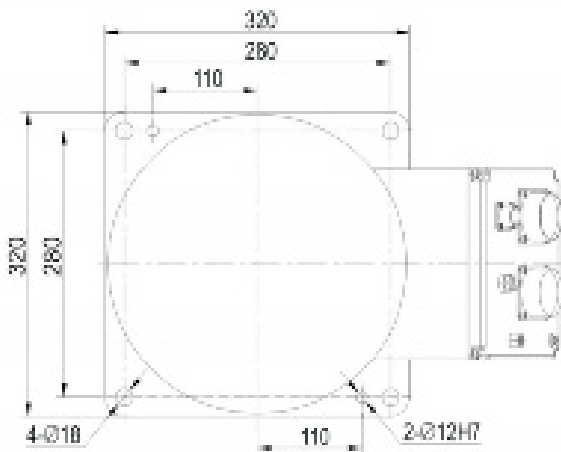
Welding Robots

Auto-Arc 1506k-1806k

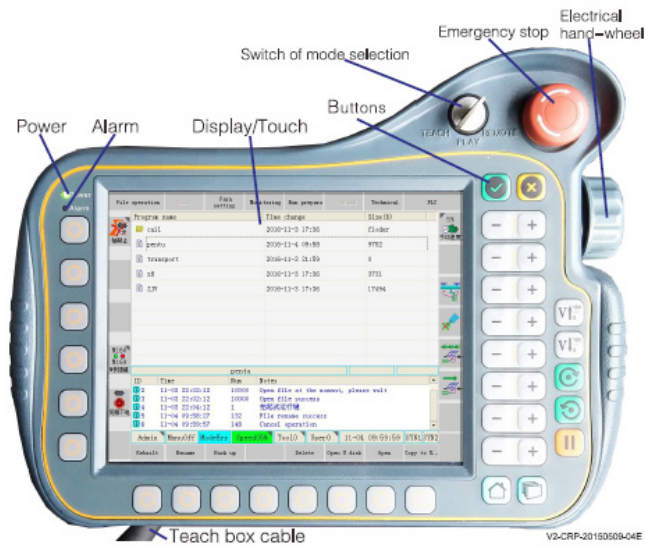
Standard Specs

	1506k	1806k
Degrees of Freedom	6	
MM of Reach	1500mm	1800mm
Payload	6kg	
Accuracy	+/-0.05mm	
Weight	164 kg	174 kg
6th Axis	Hollow Type 360 deg rot	
Application	Welding	
Memory	USB	
Teach Pendant	Color-Touch	
OS	Windows	
Torch	Anti-Collision	
Wire Harness	Fully Enclosed	
Installation	Floor, Ceiling	
Motion Range (° deg)	J1	170+/-
	J2	-160 --- +80
	J3	-85 --- +90
	J4	+/-360
	J5	-100 --- +120
	J6	+/-360

B/Mounting base)



S100 Controller



facade and distribution picture of teaching-programming pendant

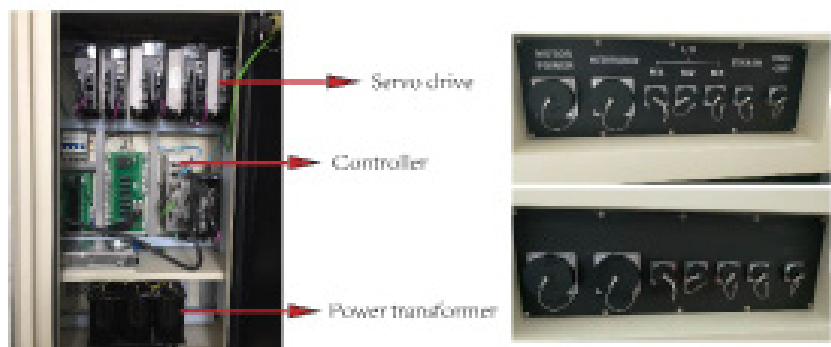


The back and distribution picture of teaching-programming pendant

The S100 Controller boasts state of the art ethercat communication between the controller and servo system. The servo system also has individual drives for each axis giving freedom to add or replace with ease. All Servo-Encoder cables plug into rear of cabinet and rear of robot keeping a standard cable in the event of damage. Also, the S100 comes standard with a 16 DI/DO Card that is prewired to rear plugs of cabinet. Capable of digital or analog communication to the welder. The S100 also support touch sensing, through arc seam tracking, and weaving just to name a few. The teach pendant has an inviting feel with easy point to point programming to make the learning curve minimal.



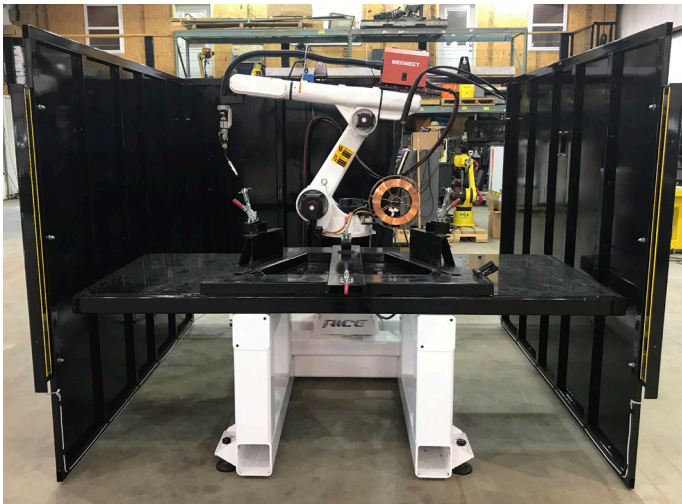
Strict electrical isolation with power transformer



AUTO ARC

WELDING CELL

Single Zone Cell



Single Zone Cell Specs

- Single Zone Design
- Heavy Tubular Frame
- Machinery Floor Mounts
- 4" Tubular Fixture Table 1/4" Top 4"x4" Hole Pattern (36"x89")
- 6' Tall Solid Steel Walls
- Torch Clean Out Port Cut into Wall
- Safety Light Curtain integrated into controller
- Robot Controller & Welder Mounted on rear for easy movement
- Single Power Point
- All Power cables, ground cables, and wire conduit routed
- Requires minimal floor space
- Comes 100% Ready to weld
- Sliding Rear Door On Safety Interlock
- All Safety Components wired in standalone box

AUTO ARC

WELDING CELL

Dual Zone Cell



Dual Zone Cell Specs

- Dual Zone Design
- Heavy Tubular Frame
- Machinery Floor Mounts
- Dual 4" Tubular Fixture Table 1/4" Top 4"x4" Hole Pattern (36"x89")
- 6' Tall Solid Steel Walls
- HMI Interface With Program Starting and Safety Interface overview
- Safety Light Curtain integrated into controller
- Robot Controller & Welder Mounted on rear for easy movement
- Single Power Point
- All Power cables, ground cables, and wire conduit routed in covered cable tray
- Zoned Safety System allowing robot and operator to work safely together
- Comes 100% Ready to weld
- Sliding Door On Safety Interlock for robot maintenance
- All Safety Components wired in standalone box

AUTO ARC

WELDING CELL

Options



Head Stock/Tail Stock

All Capacities Available

Rotate any part or fixture for optimal weld position. All sizes available.

RTU-Robot Transfer Units

Used when you want the robot to reach multiple fixtures. Can work on both sides of track.



AUTO-ARC

WELDING ROBOTS

The information contained within this catalog such as but not limited to functions, features, dimensions, numerical values, photographs, evaluations, results and or specifications offered are intended and listed solely for the purpose of explaining the general features and performances of our products only and are not guaranteed nor guarantee anything as a result. In addition, the information contained within this catalog is subject to change at any time without notice.

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