

IRB 1410

Industrial Robot

MAIN APPLICATIONS

Arc welding Assembly Glueing/Sealing Machine tending Material handling



Your best performer

The IRB 1410 gives you fast and reliable work cycles that boost productivity. The robot is well-proven in arc welding, material handling and process applications, with more than 14,000 installations since 1992. It delivers plenty of performance for the money, ensuring short payback times.

The handling capacity is 5 kg, plus a unique 18 kg supplementary load on the upper arm. Superior levels of control and path-following accuracy provide excellent work quality.

The ability to adjust process speed and position means you achieve optimum manufacturing accuracy with little or no rejects.

IRB 1410 is known for its stiff and robust construction. This translates into low noise levels. long intervals between routing maintenance and long service life. The robot has a large working area and long reach. The compace design, very slim wrist and high performance operation even in difficult and restricted locations.



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TECHNICAL DATA, IRB 1410 INDUSTRIAL ROBOT

Robot	Handling	Reach of	
	capacity	5 th axis	
	5 kg	1.44 m	
Supplementary load			
on axis 3	18 kg		
on axis 1	19 kg		
Number of axes			
robot manipulator	6		
Integrated signal supply	12 signals on	upper arm	
Integrated air supply	Max. 8 bar on upper arm		
PERFORMANCE			
Position repeatability	0.025mm		
Speed axis			
1	120°/s		
2	120°/s		
3	120°/s		
4	280°/s		
5	280°/s		
6	280°/s		
Type of motion	Range of movement		
Axis 1 Rotation motion	+170° to -170°		
Axis 2 Arm motion	+70° to -70°		
Axis 3 Arm motion	+70° to -65°		
Axis 4 Rotation motion	+150° to -150)°	
Axis 5 Bend motion	+115° to -115°		
Axis 6 Turn motion	+300° to -300	70	

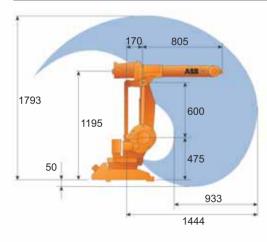
Robot mounting	Floor	
Dimensions		
Robot base	620 × 450mm	
Weight		
Robot	225 kg	
ENVIRONMENT		
Ambient temperature		
Robot unit	5 - 45℃	
Relative humidity	Max. 95%	
Degree of protection	IP 54 for electrics only, dry environment	
	for mechanics	
Noise level	Max. 70 dB (A)	
Emmission	EMC/EMI-shielded	
Clean room	Class 100 US Federal Standard 209e	

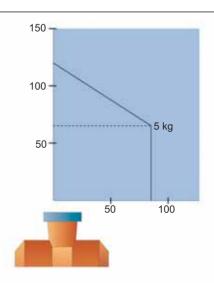
Data and dimensions may be changed without notice.

Supply voltage 200-600 V, 50/60 Hz

Power cunsumption ISO-Cube at max speed 0.44 kW

WORKING RANGE AND LOAD DIAGRAM





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^{*} For robot controller technical data, please refer to IRC5 technical data sheet.