



WELDING Robot

What do we Offer?

This Welding Robots series excels in reaching confined workspaces from multiple angles with smooth motion profile. This robot provides the ideal combination of speed, rigidity, size and precision. The Welding robot has a payload of up to 10 kg, a maximum reach of 1440 mm and body weight of 172 kg. Leveraging proven robotics technology, our robots use the same advanced controls, software, and motion technologies as our leading industrial articulated robots.

Applications

Special Welding (Gas shield Hyrdogen arc, Laser, Group, Stainless steel and carbon)

Specifications

Model	NEUROBOT – 10Z
Number of Axes	6
Radius of Motion	1440 mm
Maximum Payload	10 kg
Protection Level	J1, J2 Axis - IP56 and J3, J4, J5, J6 - IP67
Installation Method	Floor Type/Bracket Type/Hanging Type
Power Capacity	4.5 KVA
Input/Output signal	Standard 16A/16 Output 24VDC
Robot Weight	172 kg
True Positioning Accuracy	± 0.05
Maximum Motion Range [*]	
Joint - 1	± 160 °
Joint – 2	+80 ° to -145 °
Joint – 3	+145° to -75°
Joint – 4	± 190 °
Joint – 5	+80 ° to -145 °
Joint - 6	± 360°

Software Features

- Intuitive Graphical Interface: Significantly reduces
 programming time.
- Open Architecture: Provides flexibility for maximum productivity with minimal programming overhead.
- Integrated Options: Features like visualization of robot motion with scaling option, and motion instruction builder simplify development and reduce overall time.

Maximum Speed [*/sec.]	
Joint - 1	199.5°/s
Joint – 2	159.3°/s
Joint – 3	199.5°/s
Joint – 4	392°/s
Joint – 5	272°/s
Joint - 6	520°/s
Allo	wable Moment [N-m]
Joint – 4	103.5
Joint – 5	51.84
Joint - 6	32.64

PRODUCT INNOVATION CENTRE BANNARI AMMAN INSTITUTE OF TECHNOLOGY An Autonomous Institution Affiliated to Anna University - Chennai • Approved by AICTE • Accredited by NAAC with 'A+' Grade

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