

The 54021 articulated industrial robots are designed to offer customers sturdy, performance driven robotic solution. 54021 robot is offered with 6 kg payload. Designed and built in India, the robots offer easily accessible automation and productivity solution to customers in micro, small, medium business sectors.

- Adaptable to shop floor environment
- Rugged, rigid with high speed performance
- Mounting on floor, wall, ceiling
- Flexible range of applications
- Integrated with CNC for Machine Trending

Applications: Machine tending, Assembly, Fastener Fixing, Soldering, Drilling, Deburring, Conveyor Tracking, Vision, Inspection, Pick & Place, Laser Engraving, Glue Dispensing.



SPECIFICATIONS

| | | |
|-------------------------------|---------|--|
| Robotics | | 6-axis articulated robot with 6-kg payload |
| Wrist Payload | kg | 6 kg Max |
| Max working radius | mm | 900 |
| Number of axis | no. | 6 |
| Max Speed | A1 | 180 deg/sec |
| | A2 | 180 deg/sec |
| | A3 | 180 deg/sec |
| | A4 | 225 deg/sec |
| | A5 | 225 deg/sec |
| | A6 | 225 deg/sec |
| Max. Operation Area | A1 | +/- 170 deg |
| | A2 | +150 to -65 deg |
| | A3 | +90 to -135 deg |
| | A4 | +/- 170 deg |
| | A5 | +/- 90 deg |
| | A6 | +/- 360 deg |
| Position repeatability | mm | 0.05 |
| Working Temp | Celsius | 0-45 |
| Application | | Pick & Place, Assembly, Machine Tending, Palletizing |
| Dimensions | mm | 710 x 330 x 940 mm |
| Weight | kg | 70 Kg |
| Digital Input | Nos. | 6Digital input(extra 8 digital input optional) |
| Digital output | Nos. | 6Digital output(extra 8 digital output optional) |
| Pneumatic output | Bar | 5 |
| Max Footprint | mm | 1800x1800 |
| IP protection | | IP 54 |
| Field bus | | USB, Ethernet |
| Control Box dimension | mm | 600x800x300 |
| Max axis control | Nos. | 6axis(standard) & 6+2 Axis(optional) |

Ordering Details

| SN. | Order Code | Details |
|-----|------------|----------------|
| 1. | 54021A | Export Packing |

Note: Specifications are subject to change.

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