

6 Axis Articulated Robot

- Best in Class Cycle Rates
- Highest Payload and Moment in its Class
- Industry Leading Ease of Use
- Longest Reach in its Class
- Ceiling, Wall and Tabletop Configurations
- Fully Integrated Options including:
Vision Guidance, Conveyor Tracking,
Active X Controls, DeviceNet, EtherNet/IP,
Profibus, Security and more

The EPSON Pro Six PS5 is part of the EPSON line of compact 6 axis robots designed for applications where faster cycle times, smoother motion, and overall superior performance is required. With best in class performance specs in the areas of cycle time, payload and J6 moment of inertia, the Pro Six PS5 is the workhorse of the EPSON Pro Six lineup.

The rigid arm design combined with advanced EPSON servo control technology results in high speed motion and low vibration even when high precision and high speed cycles are required. All Pro Six 6-Axis robots feature brakes on all axes and most models have the flexibility of being mounted in table top, wall or ceiling configurations.

The PS5 is available with either our industry leading, True PC based RC620+ controller or our high performance Micro PowerDrive RC180 controller. Both controllers provide the ultimate experience in ease of use. Our True PC based RC620+ controller provides access to all the powerful integrated options that EPSON PC based controls are famous for. Our Micro PowerDrive RC180 controller provides a compact size, and reliable solution at an incredible low cost. EPSON gives you more Power of Choice than ever before.

EPSON Pro Six PS5 robots are ideal for applications where 6 axis dexterity is required such as: small parts assembly, dispensing, lab automation, machine tending, material handling, medical device manufacturing, packaging, food handling and many other applications requiring speed, precision and/or smooth motion.



Pro Six Specifications

EPSON®
EXCEED YOUR VISION

**Available
with 2 Different
Controllers**

SPECIFICATIONS		PS5-AS00
Configuration		Articulated 6 Axis
Mounting Configurations		Table Top, Wall or Ceiling
Max Payload		5 kg (6 kg*1)
Repeatability		+/-0.03 mm
Axis Range	J1 (Turning)	+/-170 deg
	J2 (Lower Arm)	+45 to -150 deg
	J3 (Upper Arm)	+190 to -72 deg
	J4 (Wrist Roll)	+/-190 deg
	J5 (Wrist Bend)	+/-125 deg
	J6 (Wrist Twist)	+/-360 deg
Horizontal Reach	to mounting face	791 mm
	to wrist center	701 mm
Vertical Reach	to mounting face	1343 mm
	to wrist center	1163 mm
Speed	J1	250 deg/sec
	J2	180 deg/sec
	J3	225 deg/sec
	J4	375 deg/sec
	J5	375 deg/sec
	J6	500 deg/sec
Cycle Time		0.48 sec
Allowable Moment	J4	7.25 N*m (0.74 kgf*m)
	J5	7.25 N*m (0.74 kgf*m)
	J6	5.21 N*m (0.53 kgf*m)
Moment of Inertia	J4	0.30 kg*m ²
	J5	0.30 kg*m ²
	J6	0.10 kg*m ²
Motor Ratings	Axis 1	400 watts
	Axis 2	400 watts
	Axis 3	200 watts
	Axis 4	50 watts
	Axis 5	50 watts
	Axis 6	50 watts
Environment	Temperature	0 - 45 deg C
	Humidity	20 - 80% (no condensation)
	Other	Keep away from: • Flammable /corrosive gases • Flammable /corrosive solvents • Water or oil and powder dust • Sources of electric noise
Weight		49 kg
User Lines		16 Electric, 2 Pneumatic
Brakes		All axes
Safety Regulations		RIA/ANSI 15.06,UL1740, and CE Mark JIS B 8433
Available Controllers		Micro PowerDrive RC180 PC Based Controller RC620+



**Micro PowerDrive
RC180**



**PC Based Controller
RC620+**

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*1 Some limitations exist at payloads above 3 kg. Contact EPSON Robots for details.
Specifications are subject to change without notice

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EPSON Robots
The Power of Choice