

The E2L653S is
the fastest EPSON
E2 robot with a
cycle time of 0.38
seconds!



E2L653S
Long Reach Robot
(Table Top Type)



E2L653C
Long Reach Robot
(Table Top Type)



E2L853S
Long Reach Robot
(Table Top Type)

Longer Reach for the Larger Jobs!

EPSON E2L Robots are perfect for applications that require a lot of reach. Not only do they come available in 650 and 850mm versions but they also come standard with a 320mm Z Axis stroke (300mm Z Axis stroke for cleanroom/ESD models).

E2L Robots are available in Class 10 cleanroom configurations. Plus all of the E2 cleanroom robots are also ESD compliant. This is ideal for those critical applications where static electricity can create defective parts.

As with all our E2 robots, the E2L robots are very fast. In fact, the E2L653S has the fastest champion data cycle time at 0.38 seconds. Not only are our champion data speed times some of the fastest in the industry, our real world cycle times are second to none due to the high duty cycle performance capabilities of our E2 robots.

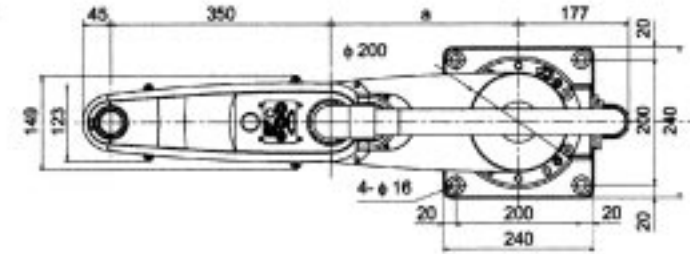
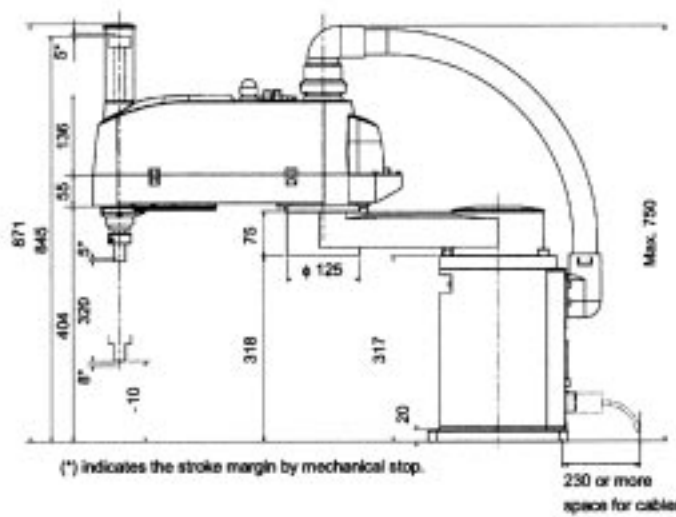
The E2L robots are ideal for applications in the Automotive, Appliance, Aerospace, Computer Components, Consumer Products, Electronics, Food, Medical Devices, Plastics, Semiconductor, and Telecommunications industries due to their multiple size configurations and powerful capabilities.

Longer Reach for the Larger Jobs!

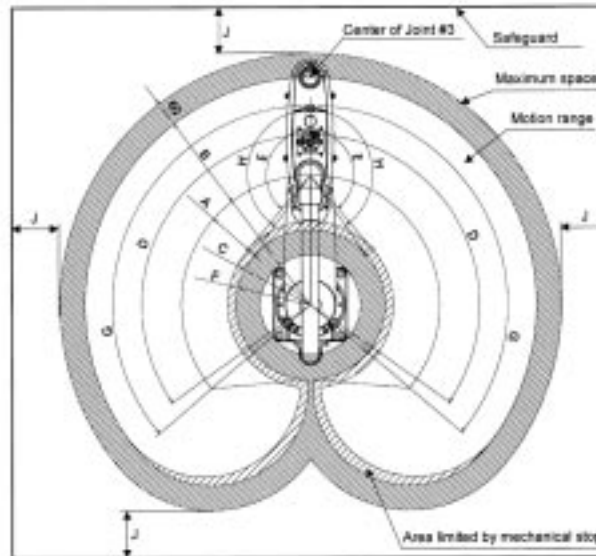


E2L65 **E2L85**

		E2L65	E2L85
Configuration		SCARA 4 Axis AC Servo	
Range	Axis 1 + Axis 2	650 mm	850 mm
	Z Axis	320 mm	320 mm
	Z Axis Clean	300 mm	300 mm
	U Axis	+/- 360 deg	+/- 360 deg
Max Speed	Axis 1 + Axis 2 (combined)	5200 mm/sec	6100 mm/sec
	Z Axis	1100 mm/sec	1100 mm/sec
	U Axis	1870 deg/sec	1870 deg/sec
Repeatability	Axis 1 + Axis 2	+/- 0.020 mm	
	Z Axis	+/- 0.010 mm	
	U Axis	+/- 0.020 deg	
Payload	Rated / Max	2 kg / 5 kg	
Moment of Inertia	U Axis Rated	0.010 kg*m ²	
	U Axis Max	0.120 kg*m ²	
Cycle Time		0.381 secs	0.437 secs
Motor Ratings	Axis 1	400 watt	
	Axis 2	400 watt	
	Axis 3	150 watt	
	Axis 4	150 watt	
Downward Force	Z Axis	200N (20.4kgf)	
User Lines	Electric	15 electric	
	Pneumatic	2 at 6 mm; 1 at 4 mm	
Weight		31 kg	
Clean Rating		Class 10 (0.13 µm particle size)	
Environmental Conditions	Temperature	5-40 deg C	
	Humidity	10-80% (no condensation)	



	E2L653S	E2L853S
a	300	500



Standard Motion Range of Manipulator	E2L65*S/C	E2L85*S/C
A (Length of Axis 1)	300 mm	500 mm
B (Length of Axis 2)	350 mm	350 mm
C	228 mm	324 mm
D (Motion range of Joint 1)	130 degrees	130 degrees
E (Motion range of Joint 2)	140 degrees	140 degrees
F	201 mm	292 mm
G (Range to the mechanical stop of Joint 1)	132 degrees	132 degrees
H (Range to the mechanical stop of Joint 2)	145 degrees	145 degrees
J (Range to the safeguard)	approx. 100 mm*	

* "J" shows the necessary distance (minimum) between the maximum space and safeguard.

