

SERIES 782 – BALL SCREW 3 AXIS



The 3-axis benchtop robots in the 782 series include all the features of the 781 series while employing a drive technology with ball screws and servo motors. This enhancement allows them to handle higher mechanical loads, supporting a maximum payload of 12 kg on the Z axis and 15 kg on the Y axis.

MODELS	782-320CL	782-420CL	782-400CL	782-500CL	782-600CL
Work area X/Y/Z(mm)	320 / 350 / 100	420 / 350 / 100	400 / 400 / 100	500 / 500 / 100	600 / 600 / 100
Load Surface Axis Y / Axis Z	10 kg / 5 kg			15 kg / 12 kg	
Max. speed XY / Z (mm/sec)	0.1 ~ 500 / 300			0.1 ~ 600 / 300	
Repeatability	+/- 0.01 mm / Axis				
Resolution	0.001 mm / Axis				
Program capacity	100 programs - 4000 points / program				
Display	TFT Teach Pendant				
Motor system	X/Y/Z AXIS DC servo motor				
Drive system	X/Y/Z AXIS with ball screw		X/Y/Z axis ball screw with AC servo motor driven		
Motion control	PTP & CP				
Linear/ Circular Interpolation	3 axis				
Teaching method	Teach Pendant				
I/O Signals	8 Inputs / 8 Outputs				
External control interface	RS232		RS232 Ethernet option		
Power Supply	AC100 ~ 220V 320W		AC220V 1KW		
Operating temperature	0 - 40°C				
Relative Humidity of Operation	20 – 90% no condensation				
Dimensions (WxDxH mm)	510 x 650 x 600	610 x 650 x 600	654 × 700 × 770	754 × 800 × 770	854 × 895 × 770
Robot weight (kg)	45 kg	55 kg	70 kg	75 kg	80 kg