

784 SERIES – 3 AXIS VISION ROBOT



The 3-axis benchtop robots of the 784 series incorporate all the features of the 783 series while integrating a camera and a laser probe.

These tools simplify programming and facilitate easy placement on the workpiece, especially for applications with limited space.

The programming software can learn the geometric shapes of the part to position the dispensing system accurately. This capability helps overcome issues related to part positioning and manufacturing tolerances.

The laser probe can measure the height of the part, allowing the needle to be positioned at the correct height in cases where there are height variations from one part to another.

VISION

Operating system	Windows 10
Operating system	+/- 0.01 mm/ pixel
Display	19 « LCD MONITOR
Image capture	USB COLOR Camera , Resolution : 2588 x 1520 (4M pixel)
Optional	
Lighting	Direct Ring Lighting
Vision lens	6~25mm Machine Vision Lens

MODELS	784-320V	784-420V	784-400V	784-500V	784-600V
Work area X/Y/Z(mm)	320 / 350 / 100	420 / 350 / 100	400 / 400 / 100	500 / 500 / 100	600 / 600 / 100
Load Surface Y Axis / X Axis	10 kg / 5 kg		15 kg / 12 kg		
Max speed XY / Z (mm/sec)	0.1 ~ 500 / 300				
Resolution	0.001 mm / Axis				
Teaching method	Teach jog				
Data storage type	PC HD Storage				
Display	19» LCD Monitor				
Drive system	X/Y/Z axis ball screw driven		X/Y/Z axis ball screw with AC servo motor driven		
Motion control	PTP & CP				
Linear/ circular Interpolation	3 axis				
Programming method	Windows software interface				
I/O Signals	8 Inputs / 8 Outputs				
Power Supply	AC110 ~ 220V, 480W		AC220V 1 KW		
Operating temperature	0 - 40°C				
Relative Humidity of Operation	20 - 90% No condensation				
Dimensions (WxDxH mm)	558 x 647 x 600	685 x 647 x 600	654 × 700 × 770	754 × 800 × 770	854 × 895 × 770
Robot weight (kg)	60 kg	65 kg	70 kg	75 kg	80 kg