

# J-CAT GRT

## Board Cutting Desktop Robot

With the addition of a router life sensor and a USB camera teaching function (option), the J-CAT GRT is much more efficient and allows for a more stable process.



Type	J-CAT320GRT	J-CAT 330GRT	J-CAT340GRT
Divisible area (W×D×H)	195×190×35mm	295×315×90mm	395×395×82mm
Dimensions (W×D×H)	350×439×632mm	618×586×657mm	647×640×665mm
Weight	26kg	42kg	51kg
Applicable BoardMaterials	Glass epoxy / Paper phenol laminate, etc.(Maximum thickness 1.6mm)		
Tool Specifications	DC brushless motor Rated speed 40,000rpm		
Trace Accuracy	0.2mm ( guide value ) (When Router 0.8mm, Cutting speed 10mm/s, PCB thickness 1.6mm)		
Vacuuming Method	Ejector		
Teaching Method	Remote teaching(JOG) / Manual data input(MDI)		
Power Supply	AC100~240V(Single phase) / 250VA		
Air Supply	0.5MPa (Only dry clean air)		
Air Consumption	200NL/min		
Standard Accessories	Teaching pendant, Manual, Software (Factory installed), Dust collecting kit, Router bit (Consumable) Spare vacuum nozzle		



Powerful Swarf Collecting System



Spindle Motor Load Indicator

# JC-3 Series

## Cartesian robot

The multifunctional JC-3 Series Cartesian Robot comes complete with an easy-to-use dedicated controller and robot unit with a rich selection of stroke lengths for each axis.

Like our desktop robots, the JC-3 has convenient installation settings. Program teaching is easy; with the interactive method teaching pendant there is no need for complicated settings.

Type	JC-3A00-0T3 (One side holding)	JC-3A00-0H3 (Both-side holding)	JC-3B01-0H4 (Both-side holding)
Number of Axes	3 Axes Synchronous Control		
Stroke	X Axis (mm)	200/300/400/500/600	300/400/500/600
	Y Axis (mm)	200/300	300/400/500
	Z Axis (mm)	50/100/150/200	50/100/150/200
	R Axis (deg)	-	-
Drive Motor	Stepping Motor		Stepping Motor
	X Axis	Feedback Control	Feedback Control
	Y Axis		
	Z Axis		
R Axis	-	Open Loop Control	
Maximum Portable Load (kg)	4		3
Maximum Speed <PTP Movement>	X Axis (mm/s)	200 300 400	300 400 500
	Y Axis (mm/s)	700	700
	Z Axis (mm/s)	800	800
	R Axis (deg/s)	-	-
R Axis Acceptable Moment of Inertia (kg/cm <sup>2</sup> )	-		90
Repeatability(mm)	X Axis (mm)	±0.02	±0.02
	Y Axis (mm)	±0.02	±0.02
	Z Axis (mm)	±0.02	±0.02
	R Axis (deg)	-	-
Control Method	PTP(Point to Point) control, CP(Continuous Path) control		
Interpolation	3-dimensional linear and arc interpolation		
Teaching Method	Remote Teaching (JOG)/Manual Data Input (MDI)		
External Input/Output	I/O-SYS : 16 Inputs/ 16 Outputs I/O-1 : 8 Inputs / 8 Outputs I/O-MT(Optional) : for auxiliary axes (pulse string input type*8) control, control up to 2 axes Fieldbus (Optional) : Choose CC-Link / DeviceNet / PROFIBUS COM Port(RS232C) : COM1, COM2, COM3 (for external device control) EMG OUT: For external safety circuit connection MEMORY : For USB memory connection LAN : For PC connection via the Ethernet SWITCHBOX (Optional) : Dedicated switchbox connector		
Power Source	AC90~240V (single phase) 50/60Hz + external DC48V (depending upon facility supply)		

