

3-Axis Single Screwdriver Dual Y-Axis Desktop Screwing Robot

Model: **ATOM EC513YA**



Features:

- Double Y-axis stage can be controlled separately using the actual operation controller.
- After the workpiece in place, automatically tighten the screws.
- Continuous feed, provides leak-proof and screws counting functions.
- Constant torque with screw slip track and floating lock function.
- I/O interface provided for external input and output control
- Optional safety grating and guard to ensure operator safety

Main Technical Parameters:

Model	ATOM EC513YA	
Operation Voltage (V ac)	100 ~ 240	
Power consumption (Watt)	200	
Control Axis	4	
Screwdriver	1	
Movement Range	X-axis (mm)	500
	Y1-axis (mm)	500
	Y2-axis (mm)	500
	Z-axis (mm)	100
Speed Range	X-axis (mm/sec)	0.1 ~ 600
	Y-axis (mm/sec)	0.1 ~ 600
	Z-axis (mm/sec)	0.1 ~ 300
Position Repeatable Accuracy	X-axis (mm)	±0.02
	Y-axis (mm)	
	Z-axis (mm)	
Resolution	X-axis (mm)	±0.01
	Y-axis (mm)	
	Z-axis (mm)	
Program setting method	Point to point teaching (PTP)	
Teaching Pendant File Capacity	Up to 999 files or Single file up to 60000 points	
Processing File Capacity	Up to 255 files or each file 2M bytes	
Screw Specification (mm)	1.6 ~ 3.0	
Dimensions W × D × H	830×700×800	
Environmental Conditions	Temperature (°C)	0~40
	Humidity (%)	20~90 (no condensing)

Note: The movement range could be customized as per requirement