3-Axis Desktop Screwing Robot
Brand: ATOM   Model: STM331

- **High-performance linear structure with high performance platforms.**
- **Teaching pendant, programming fast and easy.**
- **Screwing speed and time can be set independently.**
- **Alarm alert if screw loose, fail lock depth, no screw.**
- **I/O interface provided for external input and output control.**
- **Optional visual position identification system to solve the jig and product position consistency problem.**
- **Optional safety grating and guard to ensure operator safety.**

Main Technical Parameters：

Model		ATOM STM331
Operation Voltage (V ac)		100～240
Control Axis		3
Screwdriver		1
Movement Range	X-axis（mm）	300
	Y-axis（mm）	300
	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
Environmental Conditions	Temperature（℃）	0～40
	Humidity（％）	20～90（no condensing）
Teaching Pendent model		8009
Automatic Screw feeder		ECS65
Screwdriver Power Supply		ECS45
Screw Driver		HIOS Brand

Note: The movement range could be customized as per requirement