

7STA08B Series Motorized Precision Translation Stages



Characteristics

- Based on 7STA03B series motorized translation stages, and add the grating ruler to realize closed loop automatic control together with the motion controller, the accuracy can reach micron level;
- Driving by high quality ball screw rod, good repeatability and accuracy, long life;
- Screw rod adopts three bearing mounting structure, locking the end of axis to prevent loose, suitable for high speed reciprocating use;
- Linear motion guide (square type, whole body is connected with the base plate), comfortable movement, large bearing capacity, suitable for single axis with heavy loading or for multi axis combination;

Model	7STA0850B	7STA08100B	7STA08150B	7STA08200B	7STA08300B
Travel	50mm	100mm	150mm	200mm	300mm
Table size	160mm×160mm				
Lead for screw rod	5mm				
Resolution(8 subdivision)	0.0015625mm			0.003125mm	
Repeatability	±0.001mm				
Accuracy	±0.003mm				
Maximum speed(2 subdivision)	20mm/s			40mm/s	
Standard motor	42 stepping motor(0.9°)			42 stepping motor(1.8°)	
Maximum static torque	0.4N·m				
Rated working current	1.7A				
Central load	30kg				
Weight	5.2kg	5.7kg	6.2kg	6.7kg	7.7kg