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Zaber™ High Load Capacity Motorized Linear Stages

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- High Load Capacity of 510kg
- 500 and 1000mm Travel Options
- Integrated Controller and Encoder with 400 Counts per Revolution (CPR)

Common Specifications

General

Encoder:	Yes	Manual Control/ LED Indicators:	Yes
Manufacturer:	Zaber Technologies Inc.	Note:	Requires a 24-48 VDC power supply and either #15-295 for USB connectivity or #15-297 for RS-232 connectivity. A data cable (#15-296 or #15-299) can be used to daisy chain multiple stages together to control simultaneously.
Type of Motor:	Stepper (2 Phase)	Encoder Type:	Rotary Quadrature Encoder

Physical & Mechanical Properties

Type of Movement:	Linear (X)	Guide System:	Recirculating Ball Linear
Backlash (µm):	<25	Height (mm):	57.2

Load Capacity (kg):	510	Repeatability (µm):	<4
Thrust (N):	1200	Encoder Resolution:	400 CPR
Cantilevered Load Capacity (N·m):	120		

Optical Properties

Resolution (µm): 0.390625

Electrical

Maximum Operating Current (mA): 3600

Hardware & Interface Connectivity

Type of Drive: Precision Ball Screw

Power Supply: 24-48 VDC

Computer Interface: RS-232 with [#15-297](#)

Environmental & Durability Factors

Operating Temperature (°C): 0 - 50

Technical Information

Products

Stage Size (mm)	Type	Travel (mm)	Encoder	Stock Number	Price	Buy
817.6 x 131.0	Metric	500mm	Yes	#25-174	S\$7,056.00	1 In Stock
1317.6 x 131.0	Metric	1000mm	Yes	#25-175	S\$7,994.00	2 In Stock



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