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50 mm Travel, Motorized Linear Stage, Integrated Controller

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#15-286, 50mm Travel, Motorized Linear Stage, Integrated Controller

Stock **#15-286** **6 In Stock**

⊖ 1 ⊕ €2.355⁰⁰

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Volume Pricing	
Qty 1+	€2.355,00 each
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Product Downloads

General

Metric **Type:**
Yes **Manual Control/ LED Indicators:**

Zaber Technologies Inc. **Manufacturer:**

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.

2-Phase Stepper **Type of Motor:**

Physical & Mechanical Properties

Linear (X) **Type of Movement:**

Needle Roller Bearing **Guide System:**

45 x 188.0 **Stage Size (mm):**

50.8 **Travel (mm):**

20 (Unidirectional) **Accuracy (μm):**

<12 **Backlash (μm):**

21 **Height (mm):**

10 **Load Capacity (kg):**

<25 **Parallelism (μm):**

<3 **Repeatability (μm):**

0.00003 to 26 **Speed (mm/s):**

0.34 **Weight (kg):**

101.20 **Total Track (mm):**

Optical Properties

0.05 **Resolution (μm):**

Electrical

350 **Maximum Operating Current (mA):**

Hardware & Interface Connectivity

Precision Lead Screw **Type of Drive:**

Power Supply Required and Sold Separately.
USA: [#15-294](#)
Europe: [#15-294](#)
Japan: [#23-662](#)
Korea: [#33-773](#)
China: [#15-294](#)

USB with [#15-295](#)
RS-232 with [#15-297](#) **Computer Interface:**

Environmental & Durability Factors

0 - 50 **Operating Temperature ($^{\circ}\text{C}$):**

Regulatory Compliance

[Compliant](#) **RoHS 2015:**

[View](#) **Certificate of Conformance:**

[Compliant](#) **Reach 247:**

Product Details

- High Accuracy, 25mm, 50mm, 100mm, and 200mm Travel Options
- Integrated Motor and Controller
- Available with Integrated, 200 Counts per Revolution (CPR) Motor Mounted Encoder
- Easily Configurable in X-Y or X-Y-Z Configurations
- Vacuum-Compatible Options

Zaber™ High Precision Motorized Stage Systems are computer-controlled, self-contained linear stages that include a stepper motor and built-in controller. Zaber™ High Precision Motorized Stage Systems can connect directly to a computer's RS-232 port, while the included software provides an easy method for controlling travel distance or position. Additionally, the manual control potentiometer permits smooth manual movement. Encoder versions are available for all travel lengths, with 200 Counts per Revolution (CPR) rotary quadrature encoders integrated into the stepper motor. The integrated rotary encoder provides closed-loop control and slip/stall detection and recovery.

