

## 8MVT188-20 - Motorized Vertical Translation Stage



- Hard pantograph design
- 16 ball bearings
- Stepping motor drive
- Precision lead screw
- 95 mm vertical travel range
- [Manual Vertical Stages find here...](#) [MORE >](#)

**Motorized Vertical Translation Stage 8MVT188-20** boasts our unique design. Being very compact, it provides smooth and stable adjustment of height. It has a large travel range, and it supports large loads. While moving the platform stays parallel to the base. Examples of use: making up for height differences during the set up; automation of technological processes, like laser welding. A stepper motor type – **5618**, 200 steps. Customer can specify any other types of motors to install. Load capacity and speed all greatly depend on the motor. We can test and select an appropriate motor for your requirements. The lead screw acts at a varying angle, so the resolution of the stage varies with position. **The platform has an array of M6 holes spaced by 25 mm.** The base has six M6 and two  $\varnothing 6.5$  holes. Material: black anodized aluminum.

### Specifications

<b>Travel range</b>	95 mm
<b>Height:</b>	
Min.	89 mm
Max.	184 mm
<b>Lead screw pitch</b>	1 mm
<b>Top and bottom plates parallel to</b>	1 mm
<b>Load capacity</b>	8 kg (depending on motor and controller)
<b>Material</b>	black anodized aluminium
<b>Supply voltage</b>	36V
<b>Motor connector</b>	DB9(M)
<b>Motor</b>	<b>5618</b>
<b>Weight: 4.3kg</b>	
<b>Recommended controllers</b>	<b>8SMC1-USBhF 8SMC3-RS232 8SMC2</b>
<b>Mechanical end limit switches</b>	2
Switch polarity	pushed is closed

### Models

**Model**  
**8MVT188-20**