

**970-0090**      **MOTORIZED ROTATION AND TILT STAGE**



Multi-Axis Tilt Platform 6TP116 provides angular adjustment about two-axis - tilting and in-plane rotation. The mounting platform is rotated around kinematic pivot point by two micrometers.

The out-of-plane tilting range is  $\pm 2^\circ$  and the in-plane rotation range is  $\pm 2.5^\circ$ . Two micrometers screws are located side by side for a handy use. The adjustment movements are not calibrated, and they are uncoupled. The mounting platform has a 25 mm grid of tapped holes M6 and M4.

- Motorized Actuators 970-0065 installed
- Manual version of Multi-Axis Stages 850-0010 and vacuum version are available

**SPECIFICATIONS**

<b>Tilt y</b>	$\pm 2^\circ$
<b>Rotation z</b>	$\pm 2,5^\circ$
<b>Resolution</b> in full step in 1/8 step	1,25 $\mu\text{m}$ 0,156 $\mu\text{m}$
<b>Lead screw pitch</b>	0,25 mm
<b>Repeatability</b>	1 $\mu\text{m}$
<b>Maximum load capacity</b>	15 kg
<b>Type of actuator</b>	970-0065
<b>Cable</b>	1,2 m length cable included
<b>Motor connector</b>	DB15(M) (wiring diagram)
<b>Optocoupler end limit switches</b>	2 per actuator
<b>Switch polarity</b>	pushed is open

<b>Code</b>	<b>Weight</b>	<b>Price</b>
<b>970-0090</b>	1.3 kg	860 €