



The piezoactuator-driven positioning table enables precision movement in two independent axes.

The adjusting range for both axes is 600 μm . An inductive position measuring system is integrated in the table for each axis.

The following components are used to control the table:

- ase/nvs/c.300* - Low voltage control and
- ase/mvs/a.300* - Measuring system box.

They allow for a linear-regulated and hysteresis-free movement in the x and y directions.

The LED's on the low voltage drive *ase/nvs/c.300* indicate if the regulated area is exceeded e.g. due to mechanical overload of the positioning system.

L x B x H	(100 x 50 x 10) mm
Table mounting	tapped holes M3
Object mounting	pin \varnothing 3mm
Displacement	x-direction 400 μm regulated (600 μm non-regulated) y-direction 400 μm regulated (600 μm non-regulated)
Non-linearity	$\pm 3\%$
Resolution	0.14 μm (1Bit)
Resonance frequency of the unstressed system	240 Hz
Positioning time at full stroke	regulated 100ms
Operating voltage	275V

	x-axis	y-axis	z-axis
Stiffness	0.120 N/ μm	0.085 N/ μm	
Maximum permissible load	60 N	42 N	2 N
Regulated load depending on the position	10 N ... 60 N	8 N ... 42 N	

The technical data was determined in conjunction with the control electronics *ase/nvs/c.300* and the measuring system box *ase/mvs/a.300*.

Order Number	Release	Description
<i>asy/xyn/g550/b.300</i>	1.0	Positioning table
<i>ase/mvs/a.300</i>	1.0	Measuring system box
<i>ase/nvs/c.300</i>	1.0	Low voltage control unit