Z-Stage 5103.D40

- multi-axis positioning systems possible by simple combination of stages
- two high-precision pillar guides mounted on sides guarantee high guidance stability
- high-precision trapezoidal spindle drive with smoothed and tempered spindle (self-locking)
- four spindle lifting gear drives interconnected by a linking shaft
- robust surfaces through galvanic anodisation
- maximum system resolution increased by a reduction transmission
- four height-adjustable feet for table alignment
- two precision configurations

## Modularly individually configurable:

- various dimensions available
- from basic model to high-end systems
- to multi-axis systems
- with individual travel range
- with costumer-specific hole pattern

Specifications:

Travel range [mm]:	120*
Material (housing/plates):	Aluminium
Resolution [µm]:	0.125
Max. load [N]:	5000
Min. drive torque [Nm]:	1.5
Weight [kg]:	73

* optional: extended or shortened travel range

Precision configurations:
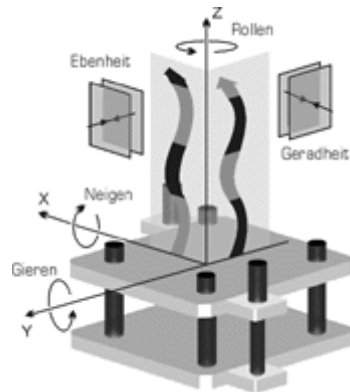
		X1	XE
Accuracy [µm]:	(+/-)	15	on request
Repeatability (unidir.) [µm]:	(+/-)	3	on request
Reversal error [µm]:		3	on request
Flatness [µm]:	(+/-)	20	20
Straightness [µm]:	(+/-)	20	20
Yaw ["]:	(+/-)	2	2
Pitch ["]:	(+/-)	2	3
Roll ["]:	(+/-)	4	4

Maximum load:
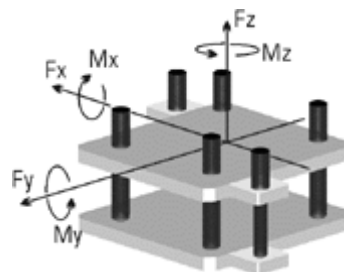
A general statement of maximum load and torque capacities is not possible for eccentric forces due to the amount of different configurations.

However, our engineers will gladly calculate the maximum load capacity for your specific application.

Dimensions [mm]:

A:	B:	H1:	H2:
540	540	158	158+120

Accessories:

Motors:	2-/3-/5-Ph. Servo/DC
Hand wheels:	0083
Gearboxes:	2083.05
	2083.10
	2083.20
Limit Switches:	included
Zero point control:	9100
Encoder XE :	incremental absolute
Steuerung:	9300

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