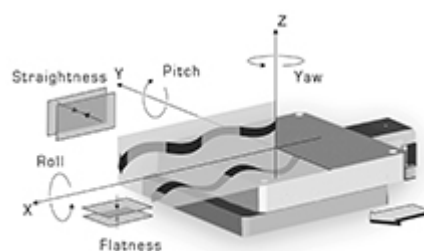## XY-Stage 5102.30

- multi-axis positioning systems possible by simple combination of stages
- high-precision trapezoidal spindle drive with smoothed and tempered spindle (self-locking)
- wear resistant delta bronze spindle nut
- mounting of drive spindle free of play
- use of low-friction guides results in optimum fine adjustment due to high reproducibility of minimum system step distance
- use of stress-relieved, highly resilient materials guarantees high system stability and long life
- robust surfaces through galvanic anodisation
- three precision configurations (X2 : values on request)

Specifications:

Travel range [mm]:	+/- 15
Material (base/slide):	Aluminium
Spindle pitch [mm]:	2
Max. load [N]:	2000
Min. drive torque [Nm]:	0.5
Stiffness ["/Nm]:	1
Weight [kg]:	11

Precision configurations:

		X1	XE
Accuracy [µm]:	(+/-)	5	on request
Repeatability (unidir.) [µm]:	(+/-)	2	on request
Reversal error [µm]:		6	on request
Flatness [µm]:	(+/-)	2	2
Straightness [µm]:	(+/-)	2	2
Yaw ["]:	(+/-)	5	5

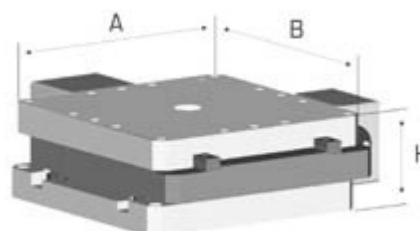|			
Pitch ["]:	(+/-)	5	5
Roll ["]:	(+/-)	5	5

X2 : values on request

Modularly individually configurable:

- from basic model to high-end system
- to multi-axis systems
- with customer-specific hole pattern

Application specific versions:

- vacuum suitable
- antimagnetic
- radiation resistant
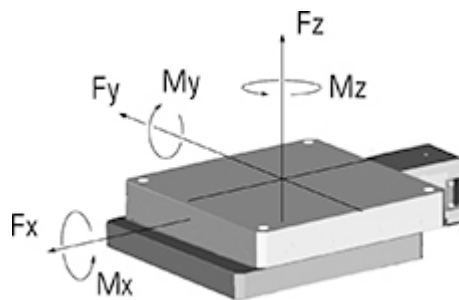- in black

Dimensions [mm]:

A:	B:	H:
250	250	62

Accessories:

Motors:	2-/3-/5-Ph.
	Servo/DC
Hand wheels:	0056
Gear boxes:	2056.05
	2056.10
	2056.20
Limit switches:	included
Adjustable limit switches:	optional

Zero-point control:	9100
Encoder XE :	incremental
	absolut
Control system:	9300

Maximum torque:

A general statement of maximum load and torque capacities is not possible for eccentric configurations.

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

Translation ± 15 mm

Translation ± 15 mm