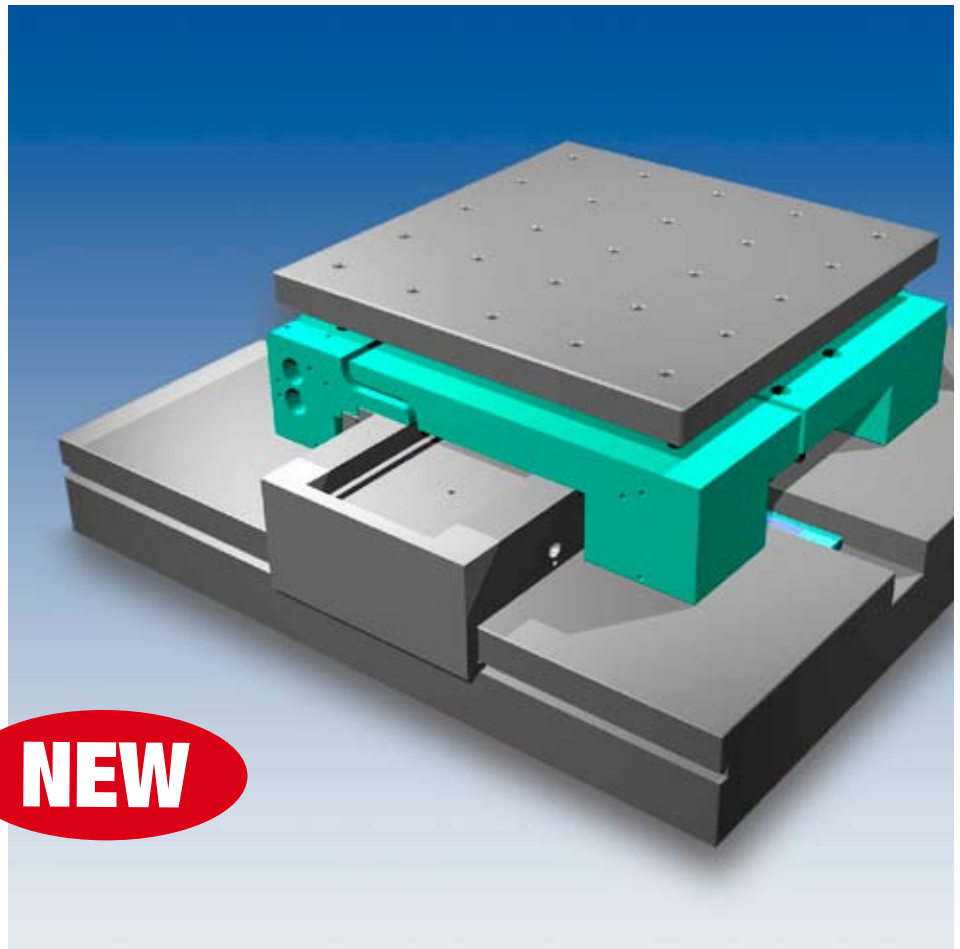


XY Linear-Stage LT-100

NEW

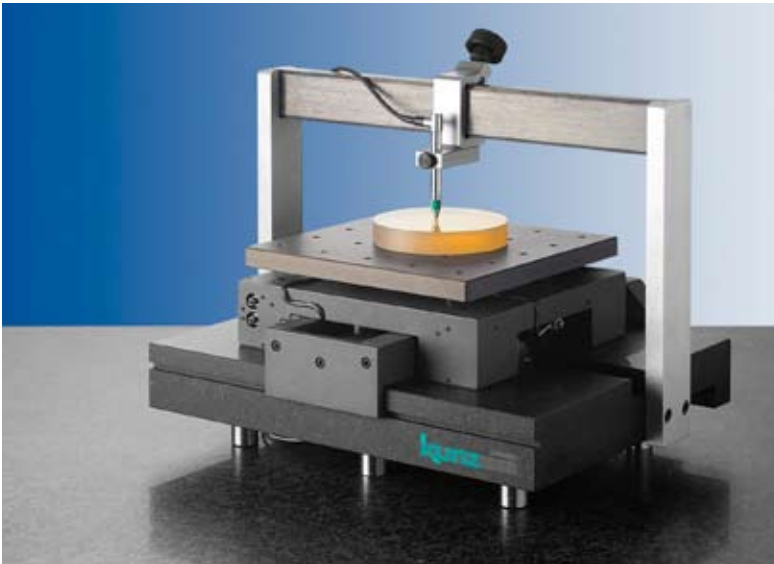


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XY Linear-Stage LT-100

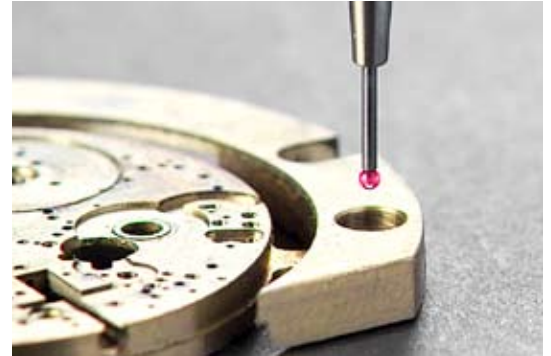
XY Linear System LT-100 with ultra precision

■ With the development of the new Linear-Stage LT-100 Kunz precision has challenged a new dimension. The two-axis linear slide is equipped with the approved vacuum air-bearing technology and provides a low-noise movement and positioning accuracy in the range of ultra precision.



Due to a consequent construction, in the most possible compliance with the Abbe-principle, highest progression accuracies with smallest noise values up to a Nanometer can be realised.

■ The drive hereby is effected by Piezo motors. The high quality linear measuring systems are arranged directly below the slide, respectively below the test item, whereby error influences are mostly eliminated. Like this it is possible to



achieve accuracies with the XY Linear System LT-100, which are usually only possible using expensive laser interferometer systems.

■ This two-axis Linear system is suitable for applications such as mask measuring machines, 2D-profile-, surface- and straightness measuring systems, as well as positioning systems and micro measuring machines. The length of the linear movements can be accommodated to customer's requirements and is available between approx. 20 – 500 mm per axes.

Technical data

Typ	XY Linear System LT-100
Dimensions	350 / 300/ 130 mm
Weight	15 kg
Travel X/Y	120 / 70 mm
Straightness	0.3 µm / 50 mm
Squareness	0.3 µm / 50 mm
Flatness	0.1 µm / 50 x 50 mm
Air bearing noise	0.01 µm
Positioning accuracy	0.1 µm
Repeatability	0.02 µm

Other dimensions and accuracies on request

Technical data is subject to change