4 Applications

MINI-X is used in situations where high precision and process reliability are needed due to constricted space. The unique advantages of MINI-X come into their own in the following applications:

- Processing machines for the micro-sector
- Biotechnology
- Semiconductor industry
- Laboratory automation
- Medical technology
- Metrology
- Micro-automation
- Nanotechnology
- Optics industry
- Robotics

Microscope with scan table

Modern microscopes are indispensable in research and in day-to-day medical processes. In order to analyze the samples quickly and accurately, the slide underneath the lens has always been moved by means of a cross table.

Scan table

The Scan table shown is based on MINIRAIL and MINISCALE PLUS; the drive is provided by linear motors. Using these compact components reduces the weight compared with conventional constructions (ball screws and multiphase motors) by a factor of around five. The scan table is not only fast but also decidedly quiet. Precision in the smallest area - reproducible with an accuracy of several microns.

4 Applications

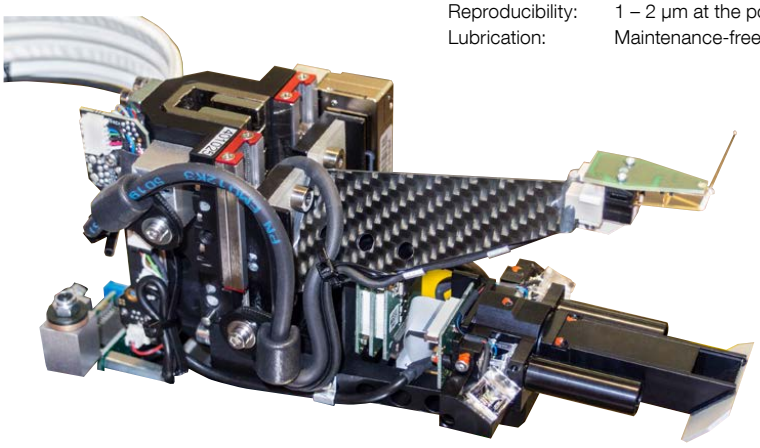
Use of MINISLIDE

The precision and speed of flying probe testers are extremely important for the electrical testing of structures measuring just 50 µm or less. The high acceleration in particular must not affect the contact accuracy of the test design.

The manufacturer offers different machine configurations for a wide range of products. An extremely wide range of materials and designs, including rigid and flexible PCBs and everything from IC packages to touch panels, can be tested with the latest machine generation.

The flying probe test system

Acceleration:	30 g
Working stroke:	1 – 2 mm
Total stroke:	10 – 15 mm
Reproducibility:	1 – 2 µm at the point of work
Lubrication:	Maintenance-free after initial lubrication



Test head with modified MINISLIDE MSQ 7 40.32