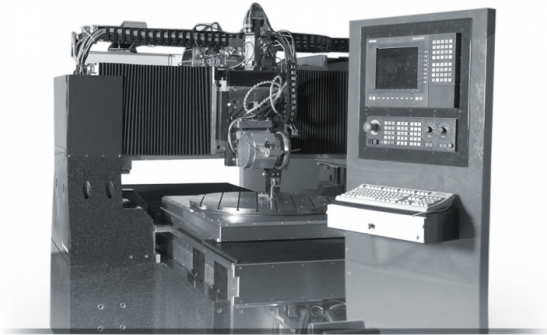




Ultra-precision machine tool with base of natural hardstone



Highest technical demands are made to machine design, drives and measuring systems to grant necessary positioning and repeat accuracies on large-scaled substrates. To fulfill these requirements a massive machine bed of natural hardstone, granite is the base of the stiff machine base construction. Mechanic and thermal stable.

Construction

Ultra-precise 6 axes-machine tool center. Machine bed and lateral support columns are made of natural hardstone - granite. Portal beam as well as length and rotation axes are made of massive cast-iron. As hydrostatic guidances, they are designed extremely stiff and damping.

Technical specifications

- › Dimensions: 3000 x 2100 x 1900 mm
- › Accuracies of all axes: 0,003 mm (absolute)
- › Drives: hydrostatic ballscrew, linear drive, torque motor

Range of applications

- › Micro-structuring of optical surface - substrates
- › Production of moulds

Branches

- › TFT-display
- › Scribing of thin-films
- › Optics

