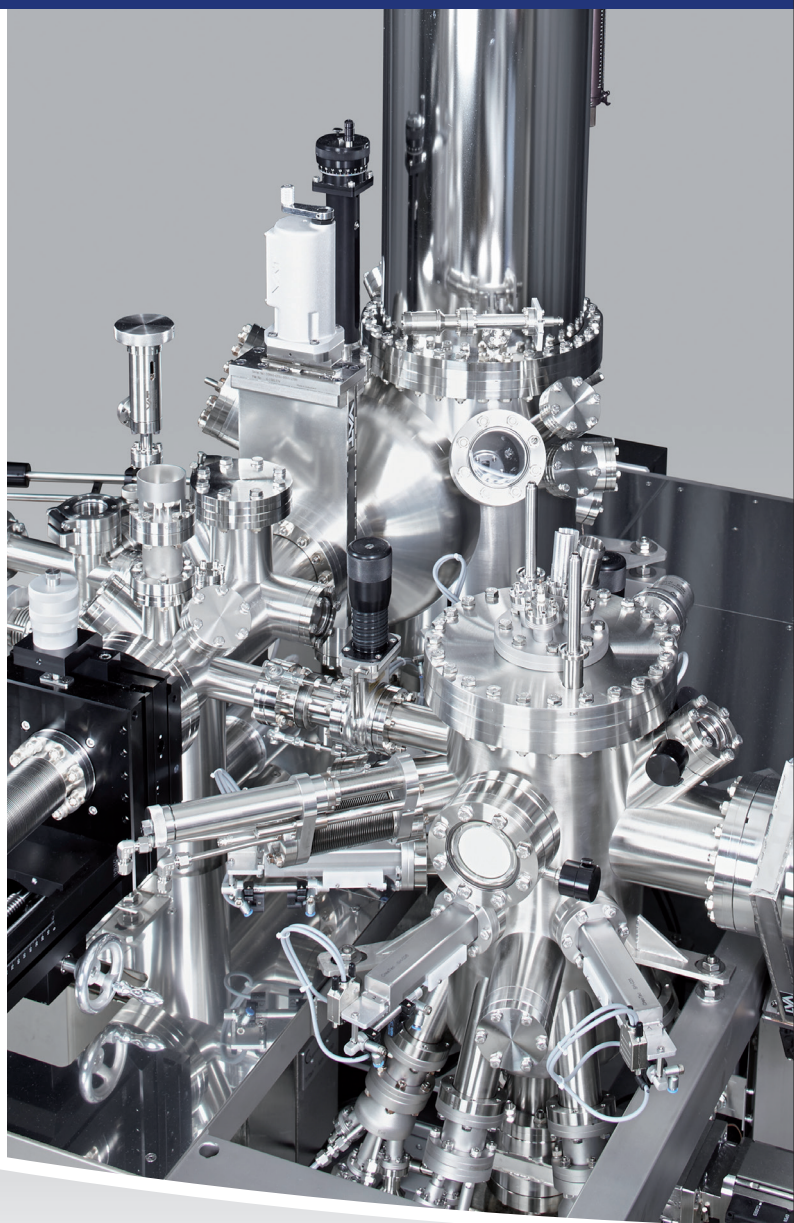


MiniMBE System

All features of a production MBE in extremely compact design, scaled for perfect homogeneity on small samples



MiniMBE System



MiniMBE System with LT-STM/AFM



MiniMBE System

MiniMBE System

- Optimized pumping configuration
 - Integrated LN₂-cooling shroud for cells and chamber wall
 - Substrate rotation, different substrate heater options
 - Up to 11 effusion sources with 2 cm³ capacity
 - CF63 central multifunctional port (standard sources, e-beam, plasma source)
 - Linear shutters and main shutter
 - Flux gauge, QCM, RHEED, ellipsometry, pyrometer
 - Automated batch processing with cVac software
-
- Chamber diameter: 206 mm or 256 mm
 - Floor space required: 1250 mm x 1650 mm
 - Height transfer plane: 1200 mm

MiniMBE System with LT-STM/AFM

- Combined MBE growth and LT-STM/AFM
 - High quality surface preparation and fast, reliable transfer
 - Optimized for high resolution LT-STM and AFM state-of-the art measurements
 - Base temperature LT-STM/AFM below 5 K
 - Low LN₂ and LHe consumption
 - Long-term low-temperature spectroscopy and atom manipulation
 - Powerful software package included
-
- Floor space required: 2550 mm x 1850 mm
 - Height transfer plane: 975 mm

