

MASK INSPECTION

AMX 6000 Series Automated Mask Blank Inspection

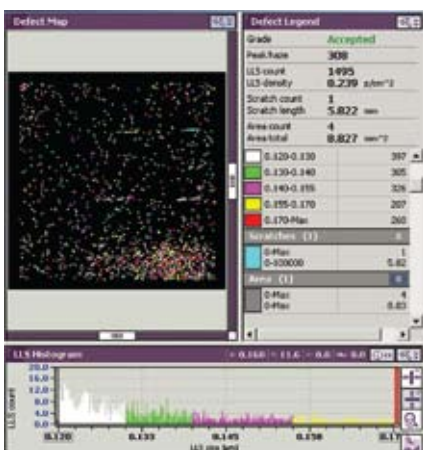
The **AMX 6000** is an automated system designed for frontend applications in mask shops and mask blank manufacturers. Very high throughput up to 45 mask blanks per hour and compact design are the highlights of this tool. Typical applications are incoming quality inspection of mask blanks and continuous tool monitoring for particle adders during manufacturing of mask blanks, e.g. coaters, writers, etchers, cleaners.

Advantages & Benefits

- High throughput
- Very attractive price/performance ratio
- Higher inspection frequency and enhanced productivity
- Lower inspection cost per mask
- Cost-of-ownership advantage
- Quick return-on-investment (ROI)
- Flexible configurations

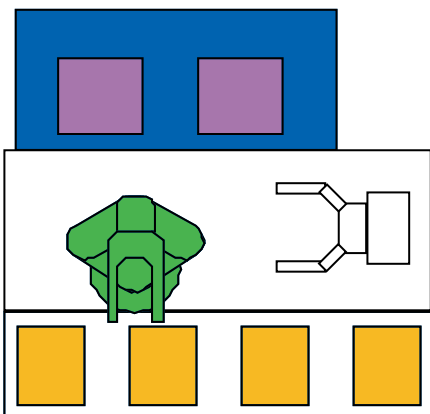


AMX 6000 Mask Inspection Tool



Particle Map of the Back Side
of an EUV Mask Blank

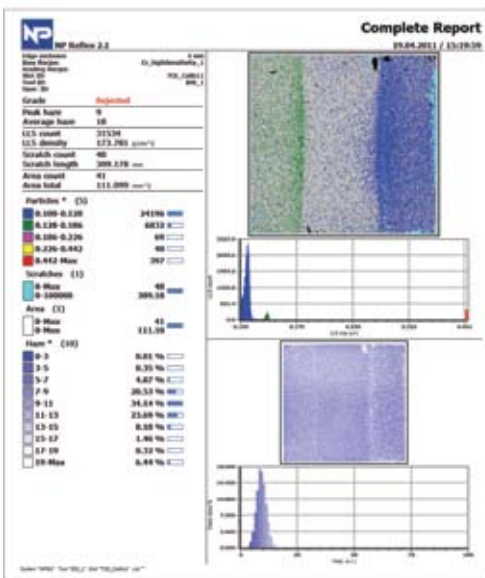
MASK INSPECTION



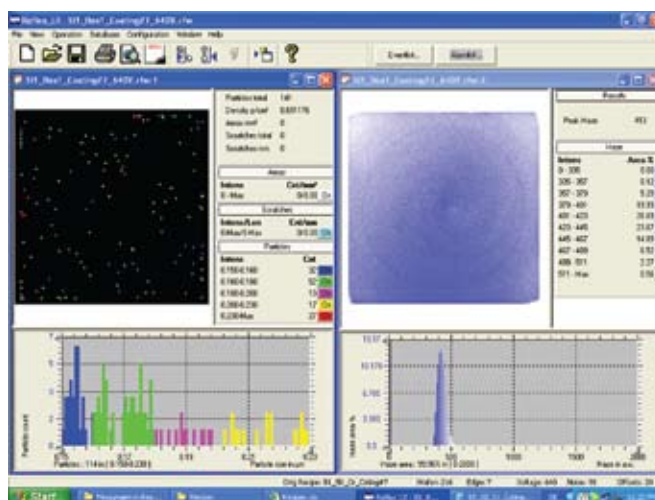
Scheme of the AMX 6000 version with two inspection modules, four open cassettes and mask flipper

AMX Features

- Particle sensitivity down to 90 nm LSE
- Diode laser 635 nm or 405 nm
- Front side and/or back side inspection
- Various load port configurations:
 - Up-to two Reticle SMIF Pod Opener (RSP)
 - EUV dual pod opener
 - up to 4 open cassettes
- Reticle flipper
- Reticle turn table
- Reticle stocker



Print Report of Inspection Result



Defect and haze map of mask blank