



Proteus Autoloader

Proteus Microscope Autoloader

Proteus Microscope Autoloader is an innovative approach to microscope wafer automatic loading.

It has been especially studied to give an answer to microscope loading when handling can be critical, such as when wafers are thin or for the new emerging challenge of 300 mm inspection, since handling is really reduced to the minimum possible, thus reducing the possibility of damaging wafers.

Proteus Microscope Autoloader includes an extraction tool which is directly mounted over the microscope inspection table, **allowing the microscope to directly take wafers from cassette.**

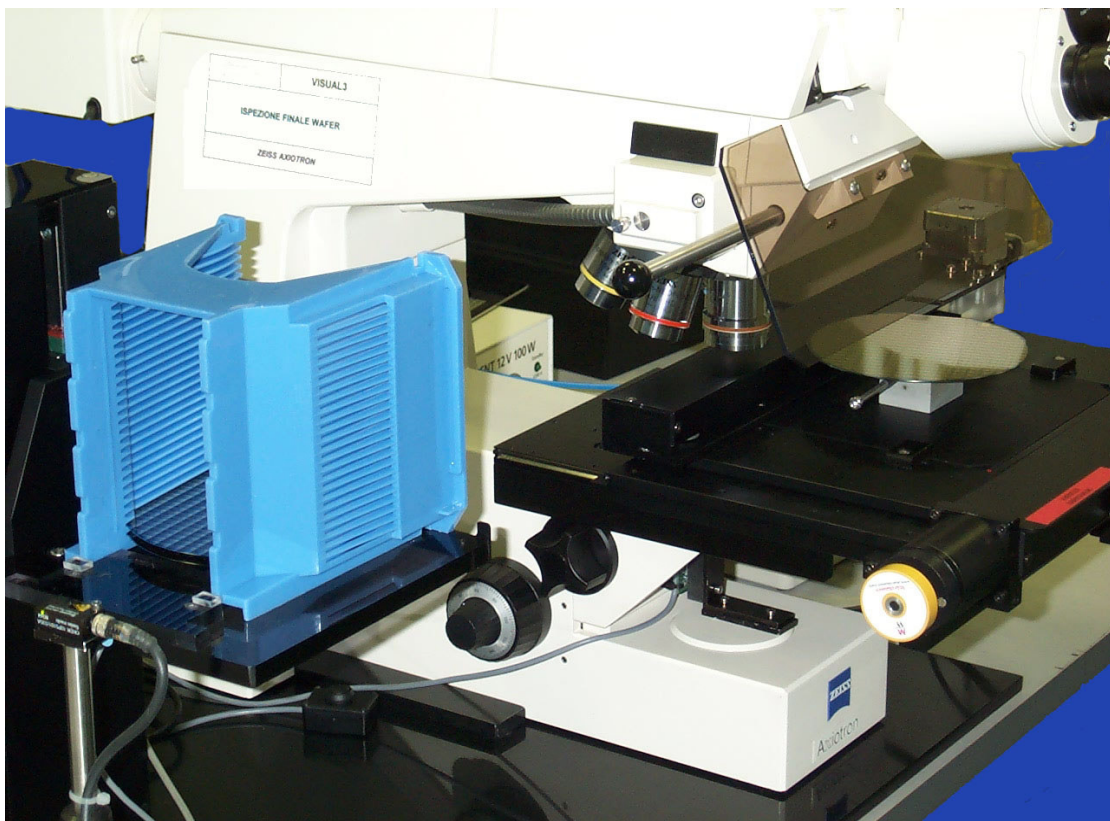
Cassette is moved up and down by a conventional indexer, with laser mapping, which is mounted aside the microscope, thus reducing at the minimum system footprint.

A Z axis measuring system is provided, to compensate on the indexer the displacement of focus vertical movement.

As an option a centering and aligning system, integrated into the inspection chuck and featured by an optical edge detection system, can be added.

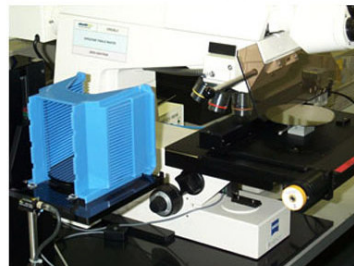
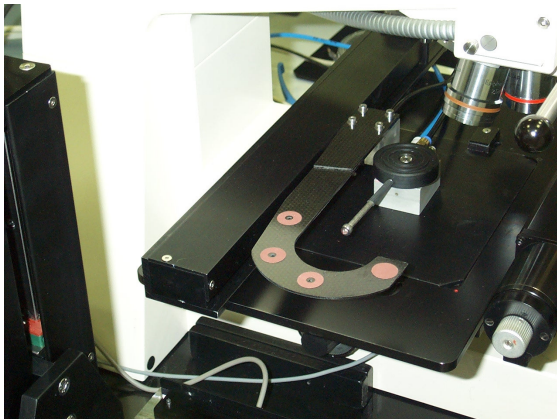
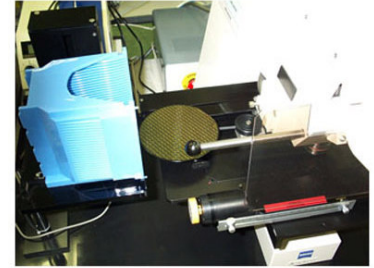
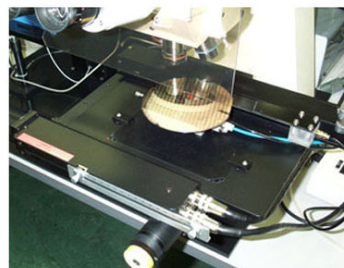
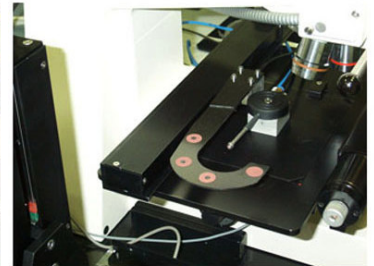
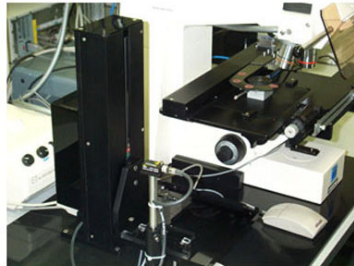
The whole system is controlled by a computer, implementing different wafer access strategies and statistical control, including also the possibility to store and recall recipes for each different type of inspection.

Proteus Microscope Autoloader can be easily mounted on any kind of microscope or inspection stage, and is a really cost effective and reliable solution for any kind of wafer inspection.





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MAIN FEATURES:

Wafer loading system directly integrated on microscope XY stage

Wafer size up to 200 mm (depending on version, special 300 mm versions on request)

Versions for any microscope or inspection stage (from sample or drawing if needed)

Step Motor Driven

Computer Control

Laser Mapping

Options: X/Y Stage interface; Integrated optical centering/aligning system, data collection software, integrated SPC software

Facilities: 220 Vac, 0,5 kW, Air pressure 6 Bar, Standard line vacuum

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