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## PoroChecker

### Inspection of flat microobjects

PoroChecker is suitable for the automatic quality inspection of MatriGrids® and wells in microtitre format for tissue engineering and bioimaging. The inspection of tissue, cells, organic molecules, proteins, metabolites, etc. is possible. Defective areas of the sample are automatically marked.

The cleanroom-capable "PoroChecker" can, for example, automatically check the quality of the finest holes in gold foils. The fine holes are imprinted in cavities made of foils in microtitre format, for example.

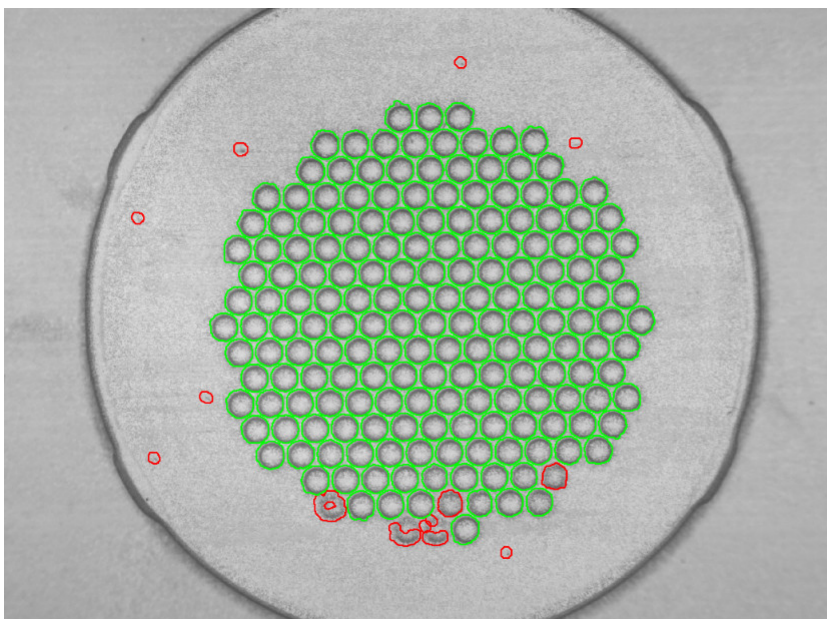
The adaptation of different inspection sensors is possible (camera, transmitted light, reflected light, spectrometer, etc.).

With an XY-positioning system, a full-surface and precise inspection of the samples is possible.

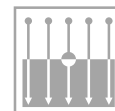
A camera with liquid lens optics replaces a mechanical z-axis. A magnetic clamping of the specimens is realised. Specific software evaluation is offered.

#### Hardware

- Two moving axes (X, Y) with movement ranges:  
X 270 mm / Y 190 mm
- Positioning resolution:  
X 0.01 mm / Y 0.01 mm
- Motor control, lighting control and fanless PC integrated in the unit
- Brushed stainless steel housing for sterile environments
- Multicolour illuminated operating keys.



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