

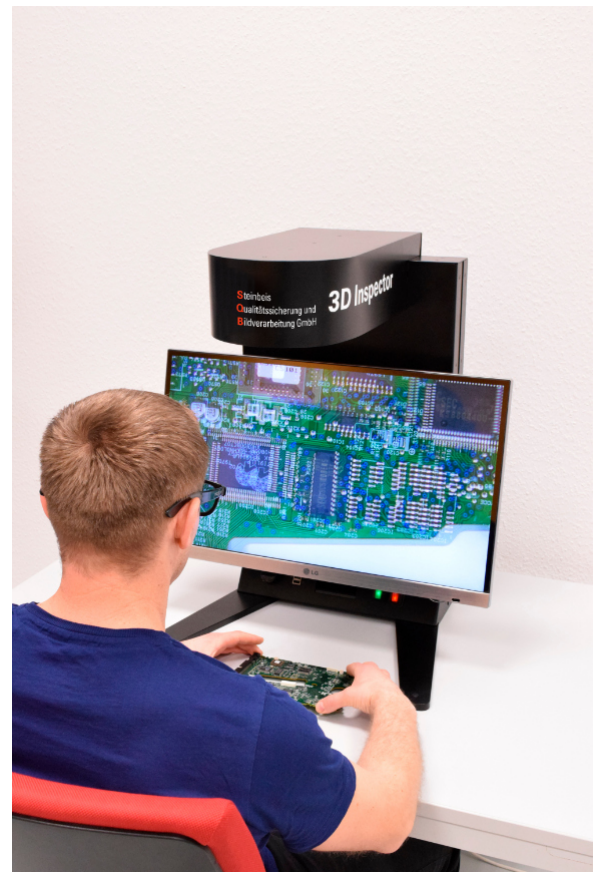


Steinbeis
Qualitätssicherung und
Bildverarbeitung GmbH

3D Inspector

Ergonomic viewing and assembly workstation
with colour cameras

The assembly or soldering of small assemblies and the inspection of PCBs, solder joints or micro parts is made much easier by the "3D Inspector". Two colour cameras project the object scene three-dimensionally and magnified onto the monitor. The motorised zoom function allows the image field size to be quickly adjusted. The polarisation glasses enable the 3D view and ensure reliable depth information. The operator has a free working space, an almost equal working distance between the object and the monitor and at the same time a good view of the working surface.



Applications

- Precision assembly work
- Inspection of printed circuit boards, solder joints, etc.
- Soldering, bonding, deburring
- Cleanliness inspection
- Adjustment work
- Spectral illumination for sorting (optional)
- Surface inspection
- Documentation for quality management



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Technical Data

Equipment

- 22" monitor 3D with polarisation glasses
- Central arrangement of the monitor (mounting according to VESA standard)
- 2 colour cameras, each 1.3 MP
- Software: QI 3D 1.0 for 3D live image display
- Option: retrofitting of extraction for soldering vapours, mounting for customer-specific part fixtures

Dimensions complete

W x D x H: 520 mm x 530 mm x 700 mm

Dimensions table top

W x D: 510 mm x 455 mm

Weight

approx. 32.5 kg

Power supply

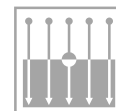
230 V

Features 3D Inspector

- 3D live display
- Replaces microscope (eyepiece) or magnifying lamp
- Free working space
- Free field of view to the object
- The central arrangement of camera and monitor enables a healthy, ergonomic working position - almost equal working distance between object and monitor - ergonomics
- Motorised adjustable magnification (zoom)
- Field of view size depending on magnification
from 70 x 35 mm to 460 x 275 mm
- Optional illumination
- Optional mounting option for customer-specific part fixtures
- Can be combined with suction device



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