

X7058

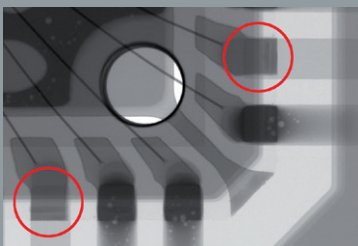
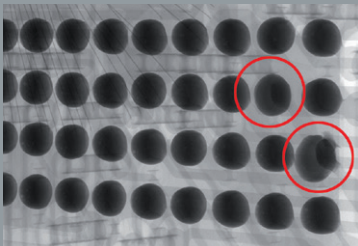
100 % top- and bottom-side 3D X-ray inspection

Automatic side separation of assemblies populated on both sides

Printed circuit board size up to 22" x 20"

Extremely high throughput due to FastFlow Handling and multi-chamber transfer system

Intuitive operation and simple inspection program generation with vVision



Full 3D AXI – automatic, in-line, extremely fast

With the X7058, Viscom presents the new generation of Viscom X-ray inspection. This system was specially developed for 100 % top- and bottom-side 3D X-ray inspection. The heart of the X-ray technology is the high-performance sealed microfocus X-ray tube. In connection with a specially developed 3D X-ray sensor technology, optimum contrasts and a superb image quality are achieved. The system features an automatic release of top and bottom sides. This way, even the most complex overlapping can be separated and all typical SMT defects are reliably detected.

Thanks to Viscom FastFlow Handling, the X7058 is also extremely fast. This unique handling concept with multi-chamber transfer system also ensures the highest throughput – ideally suited for the requirements of high-volume/low-mix production. The operating software vVision guarantees intuitive operation and simple inspection program generation. Thus, the X7058 offers the same user interface as the proven Viscom AOI systems. This provides the basis for easy implementation of traceability concepts. The intelligent Viscom TrueYield applications for optimum line networking and the best possible defect detection, e.g., Closed Loop, Integrated Verification, Quality Uplink or Statistical Process Control, round out the offer.

3D AXI

Technical Specifications

X7058

Inspection concept AXI

X-ray technology

X-ray tube	Closed X-ray tube
High voltage	10 - 130 kV
Tube current	50 - 390 μ A
Camera	Line scan
Resolution	8 - 25 μ m
Z-axis adjustment	Powered z-axis tube adjustment
X-ray cabinet	In compliance with the German X-ray regulations (RöV) regarding fully protected devices. Leakage radiation < 1 μ Sv/h

Software

User interface	Viscom vVision
Verification station	Viscom vVerify
SPC	Viscom SPC (statistical process control), open interface (optional)
Remote diagnosis	Viscom SRC (software remote control) (optional)
Off-line programming	Viscom PST34 (external programming station) (optional)

System computer

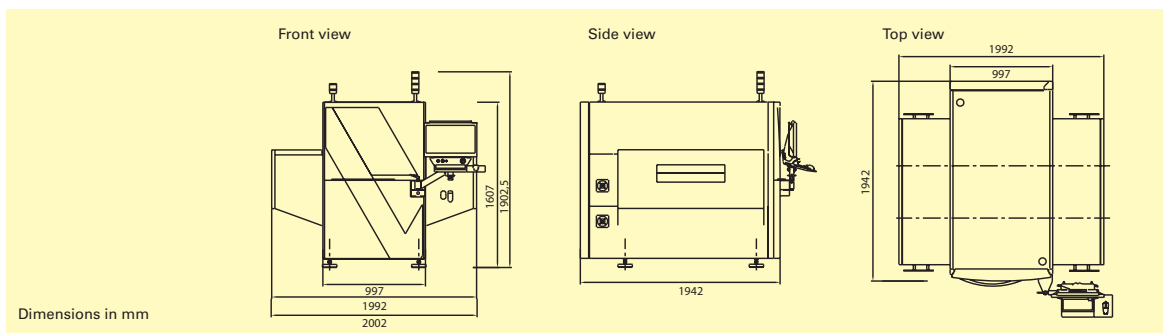
Operating system	Windows®
Processor	Intel® Core™ i7

PCB handling

PCB dimensions	558 mm x 508 mm (22" x 20") (L x W)
Transport height	870 - 960 mm \pm 20 mm (34.3" - 37.8" \pm 0.8")
Width adjustment	Automatic
PCB edge clearance	3 mm (0.1")
Upper transport clearance	15 - 50 mm (0.6" - 2")
Lower transport clearance	60 mm (2.4")

Other system data

Interfaces	SMEMA, SV70, customer specific
Power requirements	400 V (other voltages on request), 3P/N/PE, 11 A
System dimensions	1992 mm x 1902 mm x 1942 mm (78.4" x 74.9" x 76.5") (W x H x D) (including signal tower)
Line integration dimensions	+25 mm (1")
Weight	2400 kg (5291 lbs)



Headquarters:

Viscom AG
 Carl-Buderus-Straße 9 - 15 · 30455 Hanover · Germany
 Tel.: +49 511 94996-0 · Fax: +49 511 94996-900
 info@viscom.com · www.viscom.com

Visit our website to find international subsidiaries and representatives in Europe, USA and Asia:

www.viscom.com