VISCOM
vision technology

S3088 *ultra chrome*

Highest throughput for manufacturing

Reliable quality assurance

Highly effective process control tools

Simple and intuitive system operation
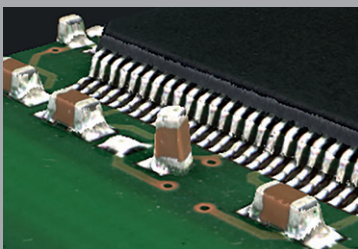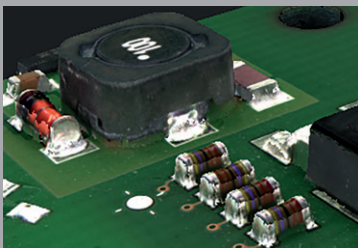
Customer hotline and website, remote maintenance

3D AOI

Extremely Fast and Precise Inspection for High-Volume Production

The S3088 *ultra chrome* is designed to meet the demand for high throughput production lines, inspect the most leading-edge electronics, and be cost competitive. This system is based on the unique 3D AOI technology from Viscom, and combines accurate defect detection with high inspection speed. This makes the S3088 *ultra chrome* the first choice for efficient SMT production.

Some of the market leading features of the S3088 *ultra chrome* are inspection speed of up to 65 cm^2/s and a field of view of 50 mm x 50 mm. The orthogonal resolution is switchable, and with 10 µm per pixel even 03015 components can be reliably inspected. Together with the eight angled-view cameras, a virtually shadow-free 3D inspection is one of the key advantages of the system.

For optimal process control and comprehensive defect coverage, the results from automatic optical inspection can be intelligently linked with SPI, AXI and MXI results via the Quality Uplink software from Viscom. The modern user interface, vVision, makes operation simple and inspection program generation intuitive and quick.

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Inspection scope		
	Solder joints, placement, solder paste	

Camera technology		
3D sensor technology		
	Z-resolution	0.5 µm
	Z-range	Up to 30 mm (1.2")
Angled view cameras		
	Number of megapixel cameras	8
Orthogonal camera		
	Resolution	10 µm
	Field of view	50 mm x 50 mm (2" x 2")

Inspection speed		
	Up to 65 cm^2/s	

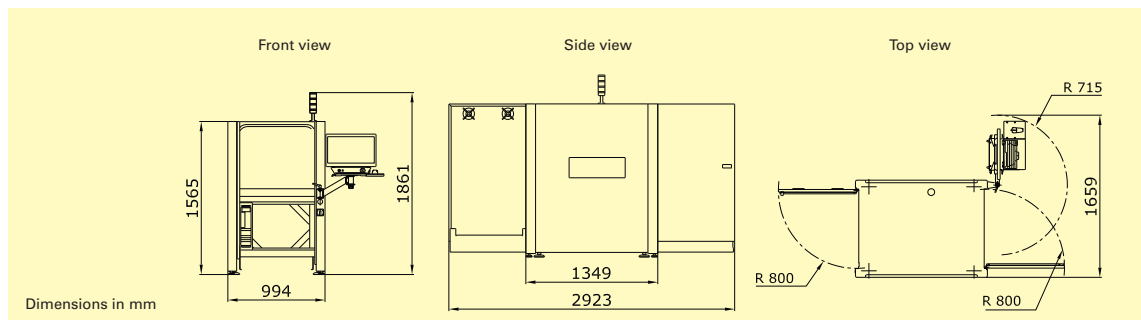| Software		
	User interface	Viscom vVision/EasyPro
	SPC	Viscom SPC (statistical process control), open interface (optional)
	Verification station	Viscom vVerify/HARAN
	Remote diagnosis	Viscom SRC (software remote control) (optional)
	Programming station	Viscom PST34 (optional)

System computer		
	Operating system	Windows®
	Processor	Intel® Core™ i7

PCB handling		
	PCB dimensions	508 mm x 508 mm (20" x 20")
	Transport height	850 - 950 mm ± 20 mm (33.5" - 37.4" ± 0.8")
	Width adjustment	Automatic
	Transport type	Single track transport
	PCB clamping	Pneumatic
	Upper transport clearance	50 mm (2")
	Lower transport clearance	50 mm (2")

Other system data		
	Positioning/handling unit	Synchronous linear motors
	Interfaces	SMEMA
	Power requirements	400 V (other voltages on request), 3P/N/PE, 8 A, 4 - 6 bar working pressure
	System dimensions	994 mm x 1565 mm x 1349 mm (39.1" x 61.6" x 53.1") (W x H x D)
	Weight	720 kg (1587 lbs)

Front view | Side view | Top view

1565 | 1861 | R 715 | 1659
994 | 1349 | R 800 | R 800
Dimensions in mm | 2923

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

www.viscom.com

#Viscom_SYS_S3088_ultra_chrome_EN19040006