

## S3088 *flex*

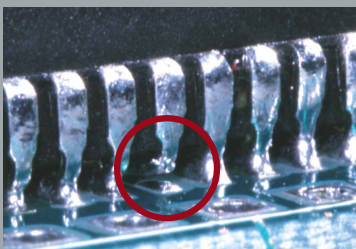
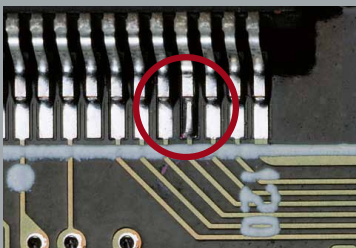
**OnDemandHR function provides high-speed inspection of fine-pitch components**

**Extended Lifted Lead Detection**

**Fast program creation with either EasyPro or vVision**

**Full color evaluation**

**Integrated Verification ensures a zero defect escape rate**



- Efficient electronic assembly inspection
- Convenient operation
- High performance and economical

The S3088 *flex* AOI system was developed for reliable, economical defect detection and fast process optimization. From prototypes to large volume, this flexible platform with scalable modular camera technology can handle any inspection task. With the OnDemandHR function, the resolution can be switched between 23.5 and 11.75  $\mu\text{m}/\text{pixel}$ . Furthermore, the high resolution of 16.2 and 8.1  $\mu\text{m}/\text{pixel}$  in angular view also guarantees positive recognition of critical defects, such as fine pitch lifted leads. This standard resolution/high resolution capability detects even the smallest defects on 01005 components.

A key feature of the Viscom AOI is the Integrated Defect Verification. This feature ensures defect detection while reducing false alarms. This gives the system operator a convenient tool to support a zero-escape strategy. The operator is also able to integrate the recommendations of the IPC-A-610E guidelines into the inspection. High performance add-on modules such as verification, offline programming and SPC statistical process evaluation help to provide superior performance.

**AOI**

# Technical Specifications

## S3088 flex

### Application

Placement and solder joint inspection (reflow and wave soldering)

### Camera technology

#### Orthogonal camera module 8M (white LEDs)

Field of view	57.6 x 43.5 mm
Resolution	23.5 µm (standard), 11.75 µm (high) switchable with OnDemandHR
Number of mega pixel cameras	4

#### Angular view camera module 8M (white LEDs)

Resolution	16.2 µm (standard), 8.1 µm (high) switchable with OnDemandHR
Number of mega pixel cameras	4, 8 (option)

### Software

User interface	Viscom EasyPro/vVision
SPC	Viscom SPC (statistical process control), open interface (option)
Verification station	Viscom S6002 HARAN/vVerify
Remote diagnosis	Viscom SRC (software remote control) (option)
Programming station	Viscom PST34 (option)

### System computer

Operating system	Windows®
Processor	Intel® Core™ i7

### PCB handling

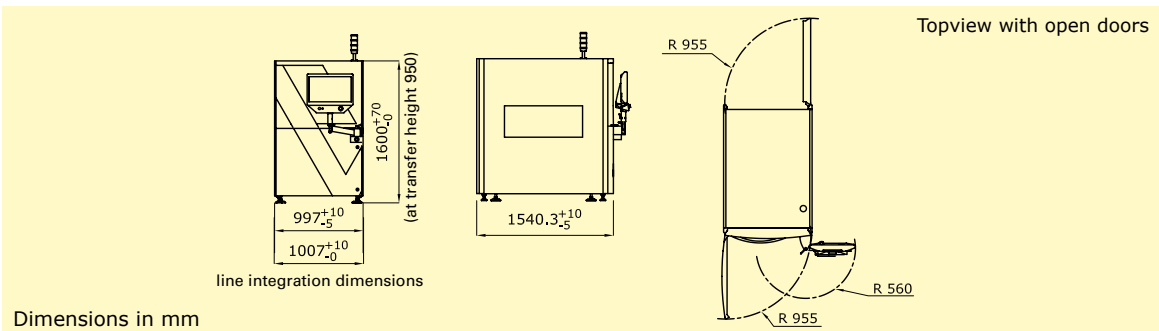
PCB dimensions	508 x 508 mm (20" x 20") (L x W)
PCB support	Optional
Transport height	850 to 950 mm ± 20 mm (33.5" x 37.4")
Width adjustment	Automatic with set-up
Handling unit	Synchronous linear motor
Transport concept	Single track transport
PCB clamping	Electrical
Upper transport clearance	35 mm (1.4") (50 mm (2") optional)
Lower transport clearance	40 mm (1.6") (60 mm (2.4") optional)

### Inspection speed

20 – 40 cm<sup>2</sup>/s

### Other system data

Interfaces	SMEMA, SV70
Power requirements	400 V, 50/60 Hz, 3P/N/PE, consumption 2.5 kVA/h
System dimensions	1000 x 1540 x 1600 mm (39.4" x 60.6" x 63") (W x D x H)
Weight	Max. 750 kg (1653 lbs)



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