S3088 basic

- Full Viscom high-end compatible inspection capabilities
- Cost-effective machine design
- Fast program creation with either vVision or EasyPro
- Full color evaluation
- IPC ready inspection
- Easy control of escapes and false calls

- Pre- and post reflow AOI
- Economical price
- High-end inspection capabilities

The Viscom S3088 basic provides full 2.5D defect detection coverage for placement and solder joint inspection – including angular view cameras and OnDemand-HR technology.

Nevertheless, the S3088 basic’s plug-and-play concept is a perfect fit for OEMs and EMS providers who desire an “out of the box” system which can give them optimal performance at a surprisingly low price. Customers who require specialized software or hardware configurations can opt for Viscom’s S3088 flex or S6056 models.

Programming and program optimization are based on the vVision software. This intuitive and flexible tool gives all library options for IPC-compatible inspection with low false calls and minimal escapes. Even beginners can achieve good results almost instantly.

All inspection programs can be transferred from one central location to any other Viscom system. All of Viscom’s standard software tools, such as verification station, offline programming and SPC, are optional.
# Technical Specifications

## S3088 basic

### Application

- Placement and solder joint inspection (reflow and wave soldering)

### Camera technology

**Orthogonal camera module 8M (white LEDs)**
- **Field of view**: 57.6 mm x 43.5 mm (2.3” x 1.7”)
- **Resolution**: 23.5 μm (standard), 11.75 μm (high) switchable with OnDemandHR
- **Number of megapixel cameras**: 4

**Angular view camera module 8M (white LEDs)**
- **Resolution**: 16.1 μm (standard), 8 μm (high) switchable with OnDemandHR
- **Number of megapixel cameras**: 4

### 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**: 900 - 950 mm ± 20 mm (35.4” - 37.4” ± 0.8”)
- **Width adjustment**: Automatic
- **Transport concept**: Single track transport
- **PCB clamping**: Pneumatic
- **Upper transport clearance**: 35 mm (1.4”)
- **Lower transport clearance**: Up to 60 mm (2.4”)

### Inspection speed

- 20 - 40 cm²/s

### Other system data

- **Positioning/handling unit**: Synchronous linear motors
- **Interfaces**: SMEMA
- **Power requirements**: 230 V (other voltages on request), 1P/N/PE, 10 A
- **System dimensions**: 994 mm x 1565 mm x 1349 mm (39.1” x 61.6” x 53.1”) (W x H x D)
- **Weight**: 600 kg (1323 lbs)

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Dimensions in mm