

# ScanCOMPONENT™

## Measurement & Vision File Generation

### WHAT IS ScanCOMPONENT?

ScanCOMPONENT is a PC based offline component programming system for the creation of vision data files for smallest flip chip and bumped packages to the largest odd form devices. Wafer trays, nozzles, shields, lead frames and feeder tapes can also be imaged, measured and processed. The system includes a calibrated high-resolution color scanner platform combined with a powerful, easy to use, software package.

### THE PROCESS

Obtain component measurement data by simply placing the desired component on the flatbed scanner, bringing the image into the system and filling in the required fields. This creates an output file that is ready to use, a simple process taking only a few minutes.

### FLEXIBILITY

Images and related measurement data are stored in ScanCOMPONENT ready to be compared to future revisions or releases of the same component. Different job lots or different sources for the same component can be verified to have the same characteristics in this offline system to avoid interruptions or surprises on the production floor.

### BENEFITS OF ScanCOMPONENT

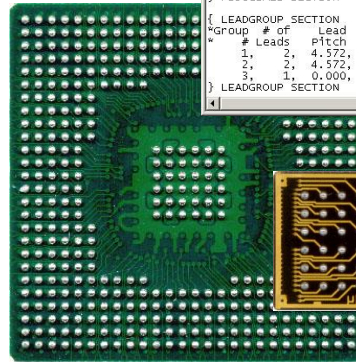
- **Accurate:** High precision measurement tool eliminates common component programming errors
- **Powerful:** Permits offline comparison of substitute components to verify compatibility with existing programs
- **Fast:** Helps first article set up and product change over on production systems
- **Flexible:** Able to program the smallest components (flip chips) up to the largest components (Odd Form), SMD through hole, etc.
- **Eliminate:** Using production machines for component teach
- **Easy:** Simple step by step procedure

### WHY USE ScanCOMPONENT?

ScanCOMPONENT is a powerful, accurate, calibrated measurement tool that is able to capture images of boards, components and processes for documentation purposes.

Supports today's small packages, i.e. BGA; micro-BGA and flip chip components, etc. From the scanned image, the system **automatically** obtains and generates:

- Exact X, Y location and diameter of balls and bumps
- Lead pitch information
- Lead groups
- Body dimensions
- Direct vision file generation for Fuji SMD3 & Siemens SIPLACE
- Generic vision ASCII files for other suppliers



```

sfr-B.TXT - Notepad
File Edit Format Help
{ GENERAL SECTION
Jobname:      SFR-B.TXT
Units:       mm
Machine ID:  FUJ
Package ID:  Semi-fixed Volume
Part #:
Revision #:
Operator:    ISABELLE
Date:       Fri May 04 15:02:34 2001
} GENERAL SECTION
{ BODY SECTION
Length_no_Leads, Tol:  6.706,  0.201
Width_no_Leads, Tol:  6.223,  0.201
Length_with_Leads, Tol: 7.463
Width_with_Leads, Tol:  9.335
Height, Tol:          0.152,  0.201
Offset X, Y:         0.000,  0.000
} BODY SECTION
{ FIDUCIALS SECTION
} FIDUCIALS SECTION
{ LEADGROUP SECTION
} LEADGROUP SECTION
#Group # of Lead X Y Angle Type Length +/- width
1, 2, 4.572, 0.000, -2.570, 180, G, 2.095, 0.201, 0.673,
2, 1, 4.572, -0.013, 2.570, 0, G, 2.095, 0.201, 0.673,
3, 1, 0.000, 3.302, 0.069, 270, G, 1.337, 0.201, 0.704,
} LEADGROUP SECTION
  
```

### TECHNICAL SPECIFICATIONS

#### SCANNER

- High-Resolution Color Flatbed Scanner, Size A4: (400/1000/1600/2000/2400/3200/4000/4800 dpi)
- Calibrated Accuracy: ± 0.0010" (± 0.0254mm)
- A4-Scanning Bed Area: 8.5" x 11.5" (216mm x 292mm)
- Maximum Work Area: 32.0" x 32.0" (813mm x 813mm)

#### COMPUTER\*

- Multi Core Processor - 3 GHz
  - 1 TB 7200 RPM HD, 8 - 16 GB RAM
  - Flat Panel Monitor
  - Ethernet Connection
  - Windows 10 64-Bit w/ 2 avail. USB2 or USB3 ports
- \*Recommended customer supplied minimum PC requirements.

#### ADDITIONAL SYSTEM COMPONENTS

- Precision Glass Calibration Grid
- Software Protection Key
- Scanning Accessory Package
- Auxiliary: Software only, extra seat (Optional)

(All specifications and designs subject to change without notice.)

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26437 Conifer Rd.

Conifer, CO 80433 USA

T: +1 303.697.8888 F: +1 303.697.8580

[info@scancad.com](mailto:info@scancad.com) [www.scancad.com](http://www.scancad.com)