

CompoBUILDER™

"Measurement & Vision File Generation"

WHAT IS CompoBUILDER?

CompoBUILDER is a PC based offline component programming system for the creation of vision data files for the 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 CompoBUILDER 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 CompoBUILDER

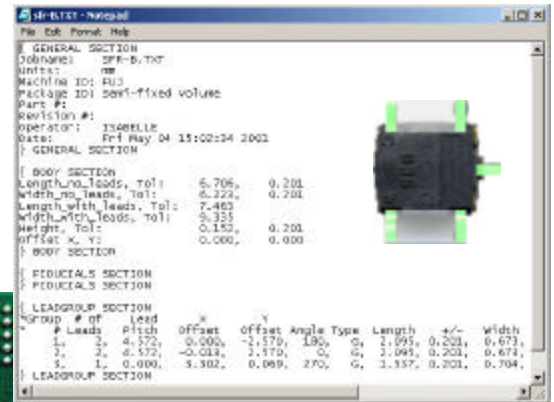
- **Accurate:** High precision measurement tool eliminates common component programming errors
- **Powerful:** Permits offline comparison of substitute components to verify compatibility with existing programs
- **Fast:** Helps first article set up and product change over on production systems
- **Flexible:** 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 CompoBUILDER?

CompoBUILDER 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



TECHNICAL SPECIFICATIONS

SCANNER

- High-Resolution Color Flatbed Scanner, Size A4: (400/1000/2000/3200/4000* dpi)
 - Calibrated Accuracy: ± 0.0015" (± 0.0381mm)
 - A4-Scanning Bed Area: 8.5" x 11.5" (216mm x 292mm)
 - Maximum Work Area: 32.0" x 32.0" (813mm x 813mm)
- *Reduced scanning area for 4000 dpi

COMPUTER*

- Pentium (600MHz or Higher) Personal Computer
- 60 GB HD, 256 MB RAM (512 MB for larger color scans)
- CD-ROM (CD-RW for archive purposes)
- Monitor (17" or larger)
- Printer
- Win 98SE//Me/2000 – Requires:
2 available USB ports

*Recommended customer supplied minimum PC requirements.

ADDITIONAL SYSTEM COMPONENTS

- Precision Glass Calibration Grid
- Scanner Interface Cards/Cables
- Software Protection Key
- Scanning Accessory Package

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Techlogic Thailand, Westek Malaysia,
Tritronics Philippines, Utama Australia



AVI PRECISION ENGINEERING PTE LTD

1, KALLANG SECTOR #04-03, SINGAPORE 349276. TEL: 65 67483866 FAX: 65 67484810
Email: avipre@avipre.com.sg
Company Reg No: 199300584 M
Website: <http://www.avipre.com>
Skype: avipre