

FabChecker™ PVS-14



- Reduces idle time of fabrication equipment while waiting for manual first part inspection
- Improves accuracy of first part inspection
- Decreases scrap
- Reduces requirements for rework
- Increases overall factory productivity
- Supports reverse engineering, thus saving hours of manual measurements in creating a CAD drawing



The **FabChecker PVS-14** is a state-of-the-art high resolution, scanning device specifically designed to evaluate two-dimensional sheet metal parts for accuracy and compliance with specifications. It scans small-format fabricated parts up to 8.25 x 11.25 inches.

The **PVS-14** compares the scanned part with the original CAD drawing (in .DXF format). Dimensions not within the specified tolerances are displayed on the monitor as a different color from the remainder of the drawing, and an SPC compliance report is generated.

The **FabChecker** can be used to reverse engineer flat sheet metal parts; the system quickly and accurately generates a .DXF file (which can be exported to CAD) from a sample part.

FEATURES

- Scans flat sheet metal parts for first part inspection, quality assurance, reverse engineering
- Accuracy to +/- .001"
- Scan parts to 1/8 inch thickness
- Fast, high resolution scans/processing (in less than three minutes)
- No exposed moving parts means increased stability in factory environment
- Uses a high resolution matrix CCD line sensor to accurately, quickly obtain image
- Scans multiple parts simultaneously
- Network enabled PC running Windows 2000 or Windows NT

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FEATURES Continued

- Sealed compartment keeps internal components dust-free
- SPC report generation for specification compliance

PRODUCT SPECIFICATIONS

Dimensions (WxDxH)	13.1 x 22.1 x 8 inches
Weight.....	40 lbs.
Electrical	100-120 Volts, 50-60 Hz, 75 Watts (also available in other voltages, contact factory for details)
Scan bed.....	8.5 x 11.5 inches
Optical resolution.....	1,600 dots per inch
Accuracy	+/- .001 inch
Maximum part size	8.25 x 11.25 inches

Patent pending.

ABOUT S&S PAR SCIENTIFIC

S&S Par Scientific, Inc. was formed in the 1980s as a division of S&S X-Ray Products Inc. to develop and manufacture products for improving the accuracy of radiation therapy delivery. These products include several models of 3-D scanning equipment to quantify post surgical tissue defects in patients, and use this data to accurately plan dosage distribution of the radiation treatments. Our hallmark has been the manufacture of trouble-free, long-service life products, with excellent customer service and unsurpassed engineering support. We have facilities in Pennsylvania, Texas, Denmark and Switzerland.



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