

AVBIS-4P

Fully Automated Offline Precision Quality Testing for Preforms

Fully Automated - Fast - Robust - Simple to Use



AVBIS-4P is a modular metrology package for preforms that incorporates the capabilities and simplicity of the AVBIS-M system into a fully automated preform testing platform. AVBIS-4P replaces the now-retired AVBIS3000P product; 4P retains its predecessor's flexibility and precision, while reducing cycle time via the integration of a cartesian work envelope featuring simultaneous preform testing.

► Flexible Preform Testing

Program setup can be highly detailed for 1st article preform testing/mold qualification, or basic critical production checks only.

► Fully Automated

'Load & go' operation. Eliminate tedious manual contact measurement.

► Simple Changeout & Fast Throughput

Quick changeout parts and procedure for different preform geometries (ex., approx. 2 minutes to convert machine from 28mm CSD to 38mm heatset).

► For Production

Best for high-volume preform QA testing w/ frequent mold changeover.

< 0.025mm

Measurement Repeatability

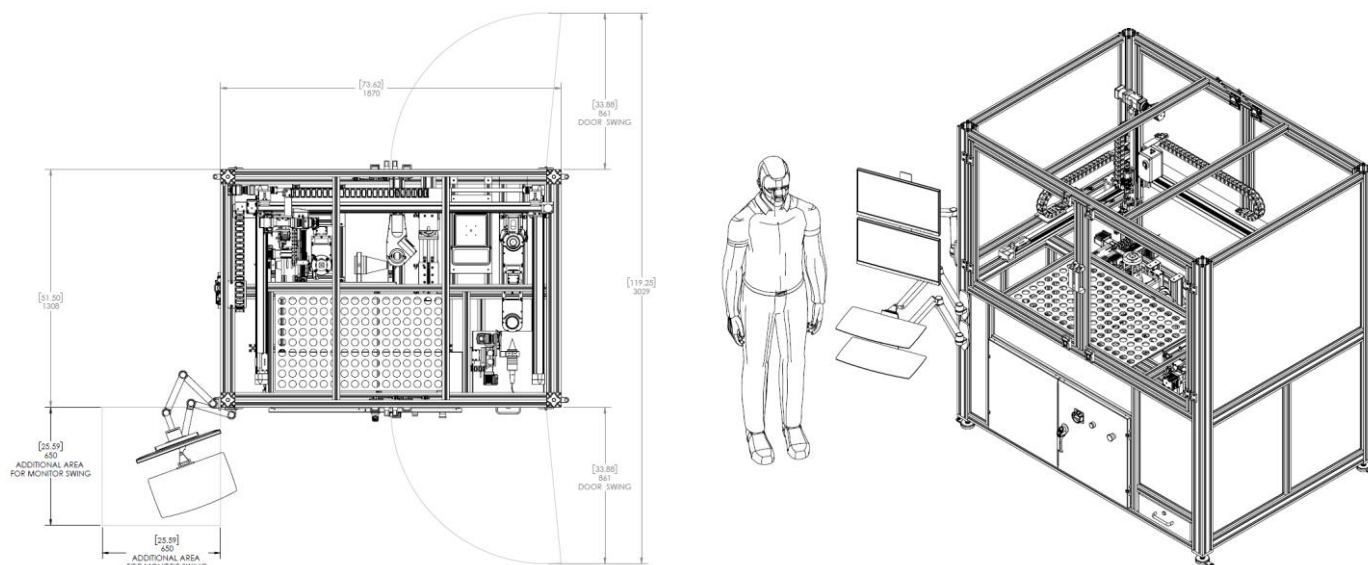
144p / 2.5h

Throughput (std.)

< 10%

GR&R Study Results

Technical Specifications: AVBIS-4P



Application	Automated preform quality / metrology testing via pick & place autoloader
Attributes Measured	ISBT/SPI/Cetie dimensions, weight, flash, wall-thickness/concentricity.
Utilities Required	ELEC: 120V/240V-15A; AIR: 50PSI; INTERNET: for remote support only
Operating System	Windows 11 IoT Enterprise LTSC
Environment	QA lab recommended; Temp: 55°F-80°F; Rel. Humidity 30%-60%
Data & Reporting	CSV file / Serial (RS232, Digimatic, USB)

About AVID Corporation

Since 1992, AVID has developed, manufactured, & supported precision measurement and testing solutions exclusively for the plastic packaging industry. We remain a private family-owned & operated company based in Portsmouth, NH USA, with satellite support offices in Phoenix, AZ and Detroit, MI. Our small size and partnership with leading manufacturers allow us to respond quickly to new requests and needs within the greater packaging industry.

Why Choose AVID Corporation?

Knowledge: 35+ years of packaging metrology experience – Focus specifically on the packaging industry – Defined and proven system capability (not vaporware) – Understanding of available technologies, strengths, and limitations.

Support: Consistent customer praise for responsive support/service – Typical support issues resolved in short telephone call, email, or remote desktop session – Service team available for onsite assistance.

Flexibility: Standard systems are not product specific or dedicated – Designed to accommodate the widest range of customer product with few changeout parts – Customizable routines: detailed qualification or basic critical checks.

‘Without data, it’s just your opinion.’

Contact Us

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