PrintRite3D® CONTOUR™

Software for real-time monitoring of in-process part geometry

FEATURES

- Real-time in-process monitoring of geometry
- Collects in-process sensor and machine data
- Links real-time process data to critical-to-quality (CTQ) features
- Provides for process intervention
- Real-time acquisition and visualization: HMI module
- Measurement accuracy sufficient to resolve a 100µm feature in-plane

BENEFITS

- Provides objective evidence of compliance to design intent
- Early defect detection
- Scrap reduction
- Increased yield

Layer-by-layer geometry measurement tool

Provides manufacturing engineers with the capability of comparison of ‘as-built’ to original digital CAD model ‘should be’.

Includes optics, mechanical system and data path to image two-dimensional melted powder.

Reporting

- Powerful edge detection algorithms verify geometry of the component as it is being built.
- Provides three-dimensional roll up of all layers.

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