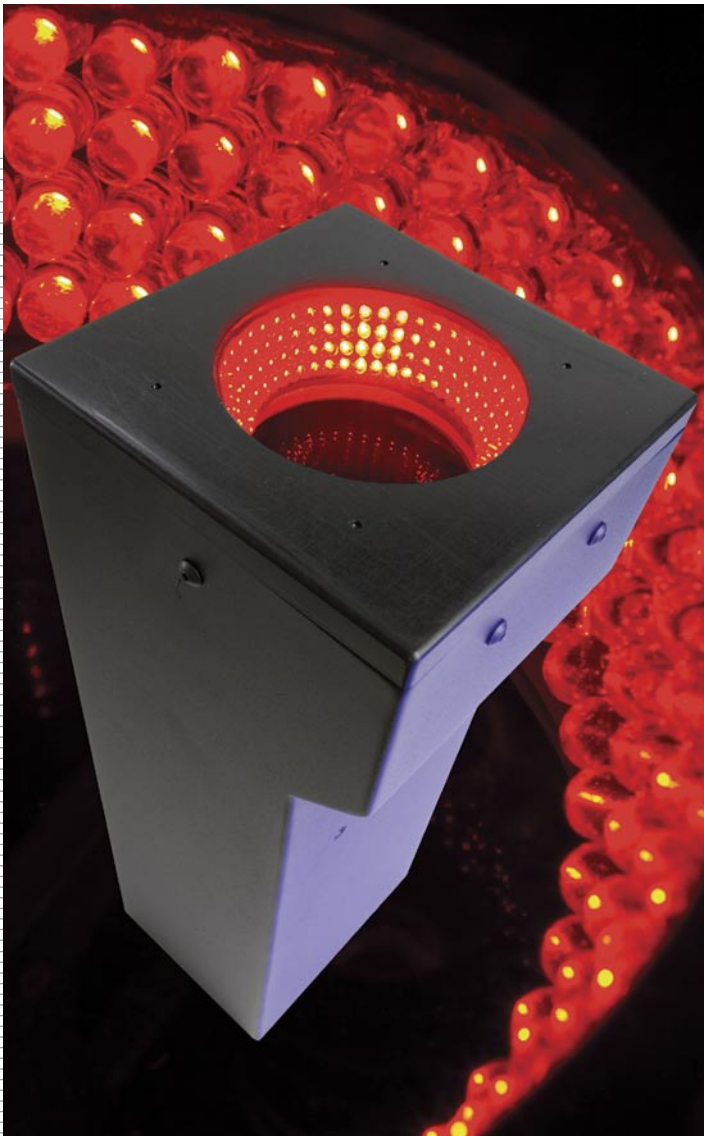
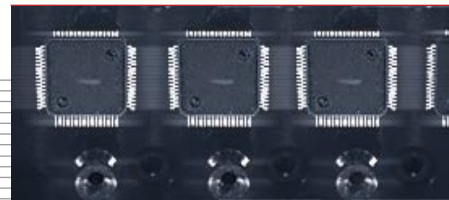


# Coherix 3DX™

UP TO 50,000 UPH ON THE FLY!



3DX is a major advance in semiconductor inspection technology. Handlers no longer need to stop parts to inspect them. 3DX measures semiconductor packages optically on the fly, setting a new standard of throughput.



- 3D high-definition measurements of moving parts  
– **no stopping required!**
- Multiple parts measured simultaneously
- “Snapshot” area measurements  
– no lasers, no line scanning
- Easy setup & calibration
- Meets strictest accuracy demands

**Coherix**®

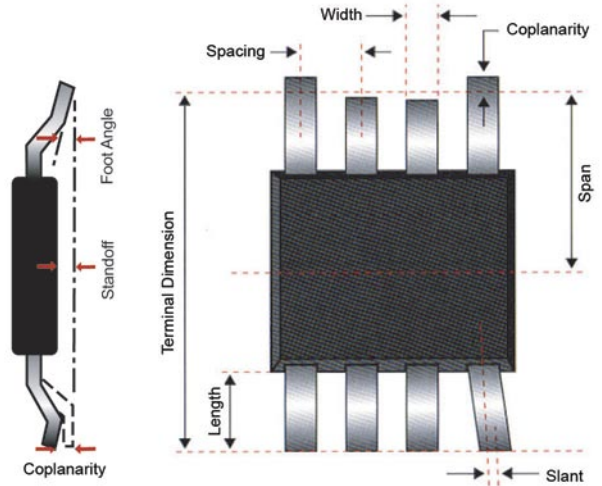
MAKING PROCESS PERFORMANCE VISIBLE

# 3DX/25 Specifications

3DX incorporates a next-generation LED strobe light with multiple cameras and Coherix's patented **I-Cite™ software**, creating the fastest, most advanced and easiest-to-use 3D inspection solution in the world today.

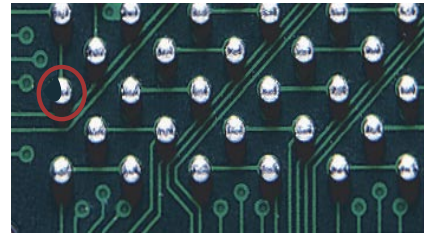
## LEADED COMPONENT 3 SIGMA ACCURACY

Lead Coplanarity	7 microns
Lead Pitch	6 microns
Lead Slant	5 microns
Body Standoff	8 microns
Lead Width	8 microns
Length Deviation	8 microns
Span	8 microns
Terminal Dimension	9 microns



## BGA / CSP 3 SIGMA ACCURACY

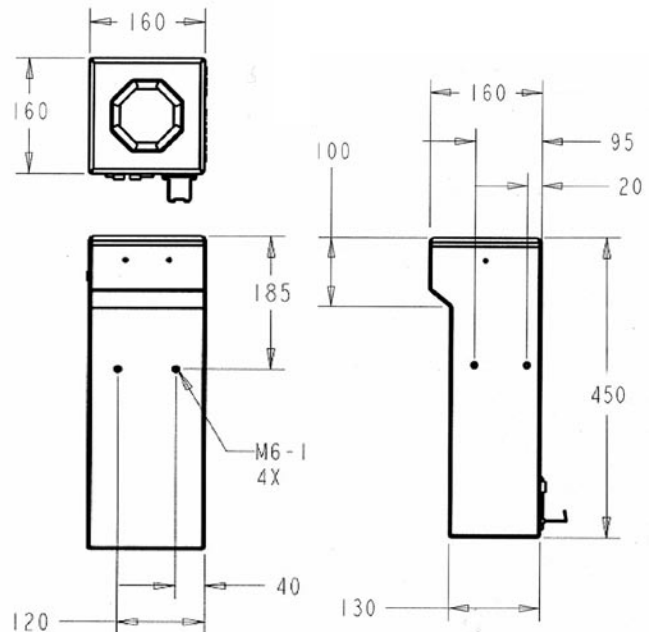
Ball Coplanarity	7 microns
Ball Pitch / Offset	5 microns
Ball Height	8 microns
Ball Shape / Eccentricity	6 microns
Ball Width	6 microns
Grid to Package Offset	8 microns
Warpage	7 microns



# 3DX Technical Specifications

Inspection Motion	Variable to 300 mm/sec
Exposure Time	< 10 microseconds
Field of View	25mm x 25mm
Power Consumption	20 watts @ 100-250 VAC internal regulation
Module Weight	8.5 kg (18.7 lbs.)
Camera Resolution	1.3 - 6 MB at 12 bit grayscale
Image Trigger	XY dual internal encoder synchronization
Illumination	Solid state LED w/internal strobe control

Specifications are subject to change without notice  
Measurement accuracies are 3 sigma on stationary golden part



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**Coherix**<sup>®</sup>  
MAKING PROCESS  
PERFORMANCE VISIBLE