



**PERISIGHT**  
BY PROBE SPECIALISTS, INC.

# ACCURACY ENHANCEMENT SYSTEM

## Closed-Loop Vision System

PC-based Rack-Mount Vision System  
Dual CCD Camera Array

## Robust Design

Adjustable For Probe Card Variances  
Vibration-Free Mount  
Lock-Down, Lock Up Mount Design



EG 2080 w / Perisight

*Perisight™* can correct for:

- X Linearity Variances
- X Cyclic Variances
- Y Linearity Variances
- Y Cyclic Variances
- Z Stage Perpendicularity
- Theta Drive Hysterisis



EG2001 w / Perisight

Functions with standard or motor driver (D.A.R.®) boards.  
No motor driver board upgrade or downgrade required.  
Real-time "through the probes" accuracy correction compensates  
for all factors affecting the prober's error budget.



Perisight™ board



Perisight™ GUI

Perisight™ resides undetected “on top of” the prober’s motion control subsystem, monitoring motion, direction, and motor driver control.

As the prober’s X/Y stage completes each die-to-die move, Perisight™ optically measures the position, then corrects X and Y axes to achieve realistic positioning accuracy of  $\leq 4.0$  microns.

Cyclic, repeatability, and linear errors are statistically inherent in every linear motor X/Y stage. These errors are optically detected, then correct positioning compensation is applied within each movement. Perisight™ applies positioning compensation “real time”, even compensating for chuck theta hysteresis factors.



- Field installable by factory personnel
- All chuck sizes
- Hot and Ambient chuck
- No forcer/platen reprofiling required
- 2000, 3000, 4085 series prober compatible



For further details on application, accuracy, and pricing, contact

Probe Specialists, Inc.  
375 Digital Drive  
Morgan Hill, CA 95037  
Tel: 408-465-2100  
Fax: 408-465-2117  
Email: info@probespecialists.com