

Automotive Applications

INTEGRATED 3D LASER SENSORS



- **100% Gaging, Distributed Throughout the Process**
Evolutionary new 3D laser sensors for in-process & final stations fully integrated
- **Simple Integration for Distributed Sensing**
Intermix all sensor types, in multiple stations with lightweight, rugged industrial multidrop cables
All sensors use common cables and mounting
- **New Generation of Sensors for the Plant Environment**
All sensors equipped with patented weld splatter protection
- **Laser Class 2M Designation**
Simplifies implementation
- **Thermally Compensated Sensors**
All SLS Plus Sensors include full temperature compensation to maintain accuracy in varying plant environments
- **Fast Sensor Data Rates**
All sensors feature fast acquisition and analysis times for 100% monitoring (typically 150 msec for laser line, and 300 msec for full 3D image acquisition and analysis)
- **Shuttered Solid State Cameras**
Enhanced performance in high ambient light conditions
- **Internal Calibration Tables**
All sensors have on-board calibration tables for easy setup, relocation and replacement
- **Integral Surface Illumination**
Integral LED's for surface illumination reduce package size and simplify mounting

3D MEASUREMENT CAPABILITIES:

Contours
Angles
Surface Point(s)
Edge Location
Normal-to-Metal (NTM)
Vertex Measurement
Feature Locations
Feature Parameters
Stud Locations