



- Cleanroom Particle Fall Out Monitoring System (Detect particle size, shape and distribution)
- Vacuum Cameras for Science/ Space Experiments
- Soft x-ray detection for Synchrotron facilities
- In-Vacuum Video Cameras
- Camera and imager system for small satellites
- Detector Characterisation System for Space Applications, Earth observation and planetary science etc.
- Custom CCD/CMOS Camera System Design

## PRECITEC

- Non-Contact Thickness Measurement.
- Distance Measurement
- Grooves Measurement
- Topography And Roughness
- Concentricity, Foil thickness, Burr, Coating thickness etc
- CHROMATIC CONFOCAL DISTANCE MEASUREMENT Sensors
- PHOTOTHERMAL SENSORS
- Thermal Spray, Anti Corrosion, Paint Etc
- GLASS Thickness/ Coating Inspection
- PCB Inspection
- Intra Ocular Lens (IOL) Inspection (Cosmetic and Dimensional)

## OPTOMECHANICAL



- Optical testing system
- Precise Optomechanical components and coupling system
- Motorized and Manual Linear/ Rotation Stages
- Motorized and Manual Vertical/ Goniometer Stages
- Precision Motion Controllers
- Connection Plates, Motorized Multi-Axis & XYZ Stages
- Manual Tilting Stages, Optical Fiber Stages and Components
- Tubes and Rods, Optical Mirror Mounts
- Additional Optical Components, Optical Slides
- Optical Tables, Shelves, and Darkrooms
- Automatic and Manual Optical Fiber Coupling Systems
- Chip Level Automatic Coupling platform

## Image Evaluation Equipment and Test Solutions



- Camera Test Standard Light Box
- Adjustable Color Temperature/Illuminance Imaging Lightbox
- High-Illuminance/Color-Temperature Transmissive Lightbox
- Standard Transmittance Light Box
- Endoscope Testing Platform
- FOV Testing System/ Chart etc
- Imaging Inspection Supporting Equipment
- ISO12233 Resolution Test Card, 2017 (E-SFR) Resolution Test Card
- SFR puls Test Card, Texture Clarity Test Card
- Field of View Angle Test Card, 18% Neutral Gray Card
- Color Reproduction Card, Noise And Dynamic Range Test Card
- Gamma and Grayscale Test Card

	<ul style="list-style-type: none"> <li>➤ Focus Adjustment Test Card, Black And White Test Card</li> <li>➤ Geometric Distortion/checkerboard And Coincidence Test Card</li> <li>➤ ISO16505 Set of Cards, Commonly Used Test Image Cards</li> <li>➤ Custom Test Cards, Test Card Specifications</li> <li>➤ Subjective Test Image Card Display</li> <li>➤ Imaging Evaluation Equipment and Solutions</li> <li>➤ Image Quality Comprehensive Test Software</li> </ul>
<b>EV/ Battery SOLUTION</b> 	<ul style="list-style-type: none"> <li>➤ EV- BMS Solution</li> <li>➤ Electrode / Coating thickness, cutting burr inspection etc</li> <li>➤ Fuel Cell Carbon coating thickness</li> <li>➤ Battery Cell Holders (Cylindrical/ Prismatic/ Pouch)</li> <li>➤ Battery Cell/ Module/ Pack Testers</li> </ul>
<b>TURNKEY SOLUTIONS</b>  	<ul style="list-style-type: none"> <li>➤ Data Acquisition System</li> <li>➤ Industrial Grade PC Solutions</li> <li>➤ Power Supply, Electronic Component Solutions</li> <li>➤ Semiconductor Solutions</li> <li>➤ Chip Processing Solutions</li> <li>➤ Black Body Sources</li> <li>➤ Off-Axis Collimators</li> <li>➤ Temperature Sensing solutions for industrial application.</li> </ul>
<b>Engineering Solutions</b> 	<ul style="list-style-type: none"> <li>➤ Turnkey Solutions for EV Sector/ Lithium-Ion Battery Cell Holders for testing/ Power Supplies/ Thermal Solutions</li> <li>➤ Turnkey Solutions for Optical Testing/ Imaging / Optomechanical components</li> <li>➤ Automation Solution: PLC/ SCADA</li> </ul>
	<ul style="list-style-type: none"> <li>➤ Phenotyping Agro Solutions</li> </ul>

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