

CAMERA ASSEMBLER

Minimum yield loss,
maximum image quality



Active Alignment of lens-to-sensor assemblies with multi-axis compensation and precision bonding - fastest solutions from prototyping to mass production..



Multi-Axis Active Alignment

- 6 Degrees-of-Freedom
- Nanometer resolution
- Function based optimization



Ultraprecision bonding

- Automated adhesive calibration & dispensing
- Integrated UV curing
- Post-bond accuracy down to deep sub-micron



Multi Camera Co-Axial Alignment

- Consistent optical axes across camera modules
- Seamless performance
- Reduced downstream calibration efforts

Key Advantages

- Yield - Active compensation of component tolerances
- OPEX - Reduced rework & lower scrap
- CAPEX - One modular platform from R&D to volume
- TTM - Transferable processes from prototyping to series
- Scalability - Modular automation concepts

Typical Applications

- Smartphone multi-camera modules
- Automotive ADAS & surround view systems
- LiDAR systems
- Defense & aerospace vision systems
- AR/VR optical modules



From optical tolerances to optical excellence.

AIXEMTEC enables function-optimized camera assembly with active alignment, precision bonding and scalable automation – first-time-right from prototype to mass production.

CALL US FOR MORE INFORMATION:



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