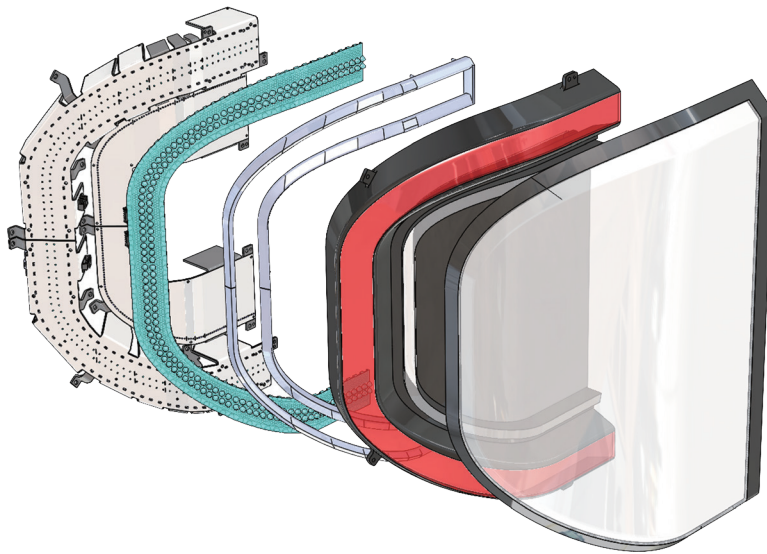


Automotive Lighting Design and Engineering



Design and Engineering Services

• Mechanical design

Light automotive module and parts design
Assembly process planning and tooling dev.

• Optics design

Optical structure and parts design
Photometric and visual effects simulation

• System thermal design

Module level and lamp level thermal simulation
Heat sink optimization evaluation

• Architecture and circuit design

Hardware requirement check and analysis
Schematics and BOM list creation
Circuit simulation and analysis

• Board layout design

PCB requirements check and analysis
PCB layout and PCB panelization
PCB assembly thermal simulation

• Software design

Software requirements check and analysis
Software architecture design
Software detailed design and creation

Headquarters

Excellence Optoelectronics Inc.

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Automotive Lighting Design and Engineering



Validation and testing services

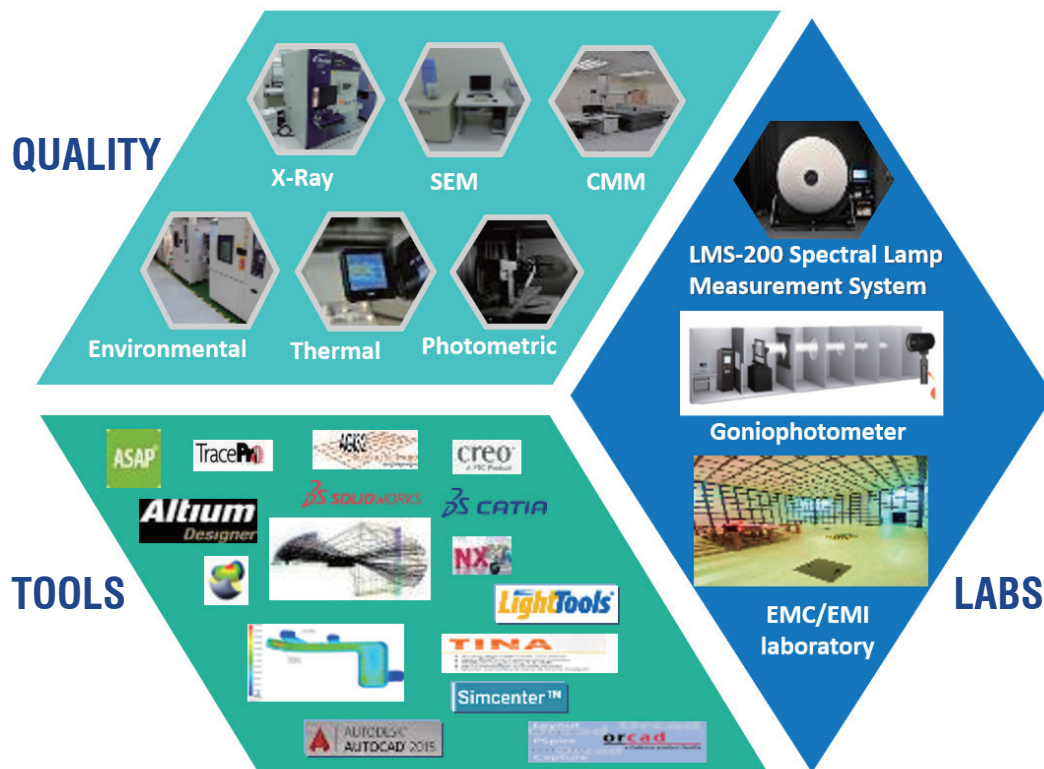
• Electronics & thermal

EMC radiated & conducted emissions
HW validation to requirements and design
SW unit, integration and qualification tests
Software architecture design
Thermal IR and T3ster contact measurement

• Optics

Integrating Sphere System Test
Goniophotometer measurement

• ISO 17025 qualified test laboratories



Qualification and series production for PCBA, sub-assemblies and modules

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