Company Overview

Corporate mission: Enable LED lighting applications for colorful and energy saving life

HQ: Taipei, Taiwan

<table>
<thead>
<tr>
<th>Employees</th>
<th>Factory: Dongguan, China</th>
<th>Factory: Yangzhou, China</th>
</tr>
</thead>
<tbody>
<tr>
<td>90</td>
<td>Paid-in Capital: USD 15 million</td>
<td>Area: 33,000 m²</td>
</tr>
<tr>
<td>450</td>
<td>CEO: Telung Tang</td>
<td>Certification: ISO9001/14001/UL/IATF16949</td>
</tr>
<tr>
<td>210</td>
<td>Moulding machines: 200 sets</td>
<td>Moulding machines: 100 sets</td>
</tr>
<tr>
<td></td>
<td>Tooling monthly capacity: 70 sets</td>
<td>Tooling monthly capacity: 30 sets</td>
</tr>
</tbody>
</table>

Mile stone

2008 - Ledlink established in Taipei.
- Dongguan factory established.

2009 - ISO 9001/14001 Certification.
- Dongguan second factory

2010 - UL Certification.

2011 - Third factory expansion in Dongguan.
- Yangzhou Ledlink expansion.
- Listed in Emerging market.
- Awarded the 16th place of Deloitte.
- IATF16949 Certification.
- Technology Fast500 Asia Pacific 2011

2012 - IPO in OTC Taiwan.

2013 - Yangzhou factory mass production.

2015 - Supplying to automotive lighting manufacturers since 2015.

Automotive Optics Lens

- Head lamp
- Low beam lamp
- High beam lamp
- Front fog lamp

- Daytime running light (DRL)

- Automotive Lateral linear lens

- Reading lamp

- Tail lamp
- Turn signal
- High mounted stop lamp
Tolerance Control / 3D Laser Scanning EX.
Optical surface tolerance control is getting tighter comparing to before because:
- Adapting LED light source to High/ Low Beam/ Fog Lamp it is not that easy to control
  the optical surface with ±0.02mm while it’s a natively thick part.

Core Competence: In House Integration

**JITS** Just in time services

**Optical Simulation**
- Research & Development
  - 14 Optical Engineers
  - Dedicated PM/ RD
  - Trace Pro software
  - LucidShape/ Catia software

**Solution Package**
- Optical Lab
  - 3D Laser scanning surface profilometer
    (Solutionix C500/ REXCON CS+)
  - Goniometer

**Tooling**
- Ultra-precise Diamond Processing
  - 5 Axis Toshiba UVM 700G/ ULG 5A
  - 13 sets Toshiba UVM
  - 2 sets Toshiba ULC
- Monthly Cap: 100-120 sets
- Dedicated tooling team

**Moulding**
- Thermal Plastic
  - 300 sets injection machine from 45 to 680 tons range
  - Double injection
- Silicone Injection
  - 1 set silicone injection machine
Reliability Test Lab
- Programmable humidity / Temp chamber
- Thermal shock (-40~150°C)
- UV aging
- Vibrate tester
- Push-out tester
- Torque tester
- Drop tester
- IK tester

Optical Measurement Lab
- Goniometer – 5 sets
- Angle tester – 2 sets
- Integrating Sphere – 4 sets
- 2D measure – 11 sets
- 3D measure – 2 sets
- Surface profilometer – 1 set
Tooling Division Overview

1. 5 axis Ultra precision lathe grinding machine – (Toshiba ULG 5A) – 1 set
2. 5 axis High precision vertical machines – (Toshiba UVM 700C) – 1 set
3. 3 axis 60,000 RPM Diamond turning machines – (Toshiba UVM 450C) – 10 sets
4. 3 axis 60,000 RPM Diamond turning machines – (Toshiba UVM 700C) – 2 sets
5. Toshiba ULC 100DS – 2 sets
6. 36,000 RPM CNC machines – 7 sets
7. Wire cutting machines – 17 sets
8. 2D measurement centre – 3 sets
9. 3D measurement centre – 2 sets
10. Texture control centre

Mold processing equipment

Machining with 4 Axes (X, Y, Z and C)

<table>
<thead>
<tr>
<th>Component</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vacuum Chuck</td>
<td>dia 100 mm (Stainless steel)</td>
</tr>
<tr>
<td>Work-piece dia</td>
<td>180 mm (Max)</td>
</tr>
<tr>
<td>Work-piece Capacity</td>
<td>3kg (Used by Vacuum Chunk)</td>
</tr>
<tr>
<td>Positioning Accuracy</td>
<td>6 decimal places</td>
</tr>
<tr>
<td>Machining Accuracy</td>
<td>5 micrometer</td>
</tr>
<tr>
<td>Surface Finish</td>
<td>0.02 micrometer (after machining)</td>
</tr>
</tbody>
</table>
Ultra-Thick Part molding capability

Precision machining

Mass Production
- Central feeding system
- 300 sets moulding machines
  - Injection machine (45T-680T)
- Equipped with robot arms and transporting rack
  - CNC machines: 14 sets
  - Laser machines: 46 sets
- Ultra-Sonic welding process
- Heat staking process

Double Injection Machine
- Twin-colour parts
- Cycle-time reduction
- Thick-wall parts optical surface precision can be realized and controlled

Ultra-Thick Part molding capability

Precision machining

Twin-colour parts
Cycle-time reduction
Thick-wall parts optical surface precision can be realized and controlled