Daesung Electrics India
1. LS group introduction

2. Daesung Electrics introduction
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   - Daesung Electrics history

3. Daesung Electrics India Introduction
   - Daesung Electrics India summary
   - Daesung Electrics Presence
   - Organization
   - Sales trend / Quality trend
   - Main manufacturing parts / Core customer
   - Line introduction (Switch / Audio / LAB) / Quality certificate

4. 대성 인도 수해 방지 대책

5. 수해 관련 영상

5. 라인 투어
LS Group Introduction

LS Leading group in the industrial electric, electronics, materials and energy field following its separation from LG in 2003

Ranked 23rd domestically in terms of total asset. (2013)

<table>
<thead>
<tr>
<th></th>
<th>Domestic</th>
<th>Overseas</th>
</tr>
</thead>
<tbody>
<tr>
<td>Employees</td>
<td>12,459</td>
<td>9,656</td>
</tr>
<tr>
<td>Affiliations</td>
<td>50</td>
<td>72</td>
</tr>
<tr>
<td>Total Assets</td>
<td>20367.2 mil USD</td>
<td>2663 mil USD</td>
</tr>
<tr>
<td>Sales</td>
<td>29,966.1 mil USD</td>
<td></td>
</tr>
<tr>
<td>Revenue</td>
<td>792 mil USD</td>
<td></td>
</tr>
<tr>
<td><strong>Company Name</strong></td>
<td><strong>Daesung Electric Co., Ltd.</strong></td>
<td></td>
</tr>
<tr>
<td>-----------------</td>
<td>----------------------------------</td>
<td></td>
</tr>
<tr>
<td><strong>CEO</strong></td>
<td>Lee Cheol-Woo</td>
<td></td>
</tr>
<tr>
<td><strong>Established</strong></td>
<td>March, 1973</td>
<td></td>
</tr>
<tr>
<td><strong>Business Area</strong></td>
<td>Switch; Relay; Sensor (Torque Angle, Resolver); Motor (EPS, EMB); E-Module; Power Control (dc-dc converter, Ultracapacitor); Lamps</td>
<td></td>
</tr>
<tr>
<td><strong>No of Employees (Globally)</strong></td>
<td>3,000 (as of 2014/01)</td>
<td></td>
</tr>
<tr>
<td><strong>Website</strong></td>
<td><a href="http://www.dsec.co.kr">www.dsec.co.kr</a></td>
<td></td>
</tr>
<tr>
<td><strong>Address (HQ)</strong></td>
<td>Won-si dong, Danwon-gu, Ansan-si, Gyeonggi-do, Korea, 743-5</td>
<td></td>
</tr>
</tbody>
</table>

**Korea**
- Won-si dong, Danwon-gu, Ansan-si, Gyeonggi-do

**China**
- 308 State Road, Licanggu, Qindao, China

**India**
- Thiruvalangadu Kunnalavalam, Tamil Nadu, India
Daesung Electrics history

1973
› Daesung Electric Established

1987
› R&D Center Established

1991
› China Qindao Daesung Electric Co., Ltd. founded

1996
› Deltech Established

1998
› Joint venture with Delphi

2008
› Incorporated to LS group (LS Mtron)
› Daesung India Established (Chennai)

2003
› Daesung Electric China Established (Wuxi)

1998
› Ansan Plant Completed

2010
› DS 1515 Vision Proclamation Ceremony

2011
› CMMI ML2, ML3 Certification

2012
› ASPICE CL2 Certification

2013
› Moved R&D Center (Anyang)

2014
› DSI Pune operation

Global Creative Partner
Company: Daesung India Private Co., Ltd
Share holder: DAESUNG 100%
Foundation: July, 2008
Employee: 795
Land: 27,000 Sqr M
Floor space: 7,800 Sqr M
Address: Tiruvallur Dist. Tamil Nadu

Line Lay out status

<table>
<thead>
<tr>
<th>No</th>
<th>Name of Line</th>
<th>Nos</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Office</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>Audio Line</td>
<td>4</td>
</tr>
<tr>
<td>3</td>
<td>SMD line</td>
<td>2</td>
</tr>
<tr>
<td>4</td>
<td>Injection line</td>
<td>12</td>
</tr>
<tr>
<td>5</td>
<td>PCB warehouse</td>
<td>1</td>
</tr>
<tr>
<td>6</td>
<td>Warehouse</td>
<td>1</td>
</tr>
<tr>
<td>7</td>
<td>Lab</td>
<td>1</td>
</tr>
<tr>
<td>8</td>
<td>Switch assembly line</td>
<td>54</td>
</tr>
</tbody>
</table>
Daesung Electrics Presence

Daesung Electric India Pvt Ltd
Tiruvallur, Tamil Nadu
Manufacturing

Daesung Electric India Pvt Ltd
Pune, Maharashtra
Manufacturing
Sales Trend – India (2009y~2016y)

Yealy Sales trends

<table>
<thead>
<tr>
<th>Year</th>
<th>Sales (INR Crors)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009</td>
<td>56</td>
</tr>
<tr>
<td>2010</td>
<td>74</td>
</tr>
<tr>
<td>2011</td>
<td>103</td>
</tr>
<tr>
<td>2012</td>
<td>152</td>
</tr>
<tr>
<td>2013</td>
<td>178</td>
</tr>
<tr>
<td>2014</td>
<td>284</td>
</tr>
<tr>
<td>2015</td>
<td>483</td>
</tr>
</tbody>
</table>

Expected sales amount 567 Crors

Unit – INR (Crors)
Main manufacturing parts

- Manufacturing parts in Indian plant

- SW ASSY - PWDW SUB
- SW ASSY - AUDIO
- SW ASSY - CTR FACIA PANEL
- Clock spring
- SW ASSY - M/FUNCTION
- BEZEL ASSY - LWR C/PAD SW
- SW ASSY - DOOR
- SW ASSY - O/S MRR CONT
- SW ASSY - PWDW MAIN
- SW ASSY - SEAT WARMER

Manufacturing parts in Indian plant

Clock spring

10/25
Core Customer

Korean Customer

Local Customer

Global Creative Partner
Line introduction

- **Switch manufacturing line**
  - Switch assembly line: 54 lines / Injection line: 12 / Pad printing: 4

Switch Assembly line - 1

Injection line

Switch Assembly line - 2

Pad printing line
Line introduction

Audio front panel ass’y line

Audio assembly: 4 lines / SMD: 2 Line / Wave soldering: 1 line

Audio Assembly line

SMD Line 1

Wave soldering line

SMD Line 2
# Reliability Laboratory

<table>
<thead>
<tr>
<th>Facility name</th>
<th>Nos</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMM</td>
<td>1</td>
<td>LAB</td>
</tr>
<tr>
<td>Micro scope machine</td>
<td>2</td>
<td>LAB</td>
</tr>
<tr>
<td>Melt flow index tester</td>
<td>1</td>
<td>LAB</td>
</tr>
<tr>
<td>High voltage tester</td>
<td>1</td>
<td>LAB</td>
</tr>
<tr>
<td>Voltage tester</td>
<td>1</td>
<td>LAB</td>
</tr>
<tr>
<td>AC/DC tester</td>
<td>1</td>
<td>LAB</td>
</tr>
<tr>
<td>Noise tester</td>
<td>1</td>
<td>LAB</td>
</tr>
</tbody>
</table>

- **CMM**
- **Micro scope machine**
- **Micro scope machine**
- **Voltage tester**
Thank You!

Always with Our Customers