Dianjing Mould Co., Ltd
-Automotive Light Mold Manufacturer
Dianjing Mould Co., Ltd

Dianjing Mould Co., Ltd is located in Changzhou city, Jiangsu province, China.

We own a strong team with many top talents to offer high-quality supporting services to OEM companies and supply them with powerful technical support. We participate in every step of developing new products directly and actively, and put forward valued suggestions for new products' improvement and design.

As a professional injection mold manufacturer, we are engaged in:

- Tool designing & manufacturing
- Automotive lighting mold
- Light guide mold
- Thickwall optical part mold
- Double/multi-color rotational mold
- Over-molding
Basic Information

- Location: NO.110 XINYUAN 4TH ROAD, XINBEI DISTRICT CHANGZHOU
- Company covers: 6500 m²
- Employees: 105
- Annual value: 10,150,000 USD
- Supply ability: 150 sets/year. Total about 1200 sets mold made till now.
- Max mold tonnage: 15 Tons.
- Main products: automotive headlight mould, automotive tail light mould, light guide mould.
- Special technology: two-color/multi-color rotational mould, optical part.
- Main market: Brazil, India, Iran, Germany, Italy, USA, Canada, Japan, Taiwan, domestic, etc.
Financial Information

- Annual output value (million RMB)
- Employee number

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Value | 8   | 16  | 30   | 50   | 70   | 85   | 95   | 105
ERP MES Management

ERP System Entrance

Manufacture Process Schedule

Timely Tracking

Issues Tracking
<table>
<thead>
<tr>
<th>Equipment Name</th>
<th>Model</th>
<th>QTY</th>
<th>Made in</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ultra precision high speed milling</td>
<td>800X600X400</td>
<td>1</td>
<td>Taiwan</td>
</tr>
<tr>
<td>5 Axis high speed milling</td>
<td>3200X1600X1000</td>
<td>1</td>
<td>Taiwan (arrived in Mar 2017)</td>
</tr>
<tr>
<td>4 Axis high speed milling</td>
<td>1080X600X600</td>
<td>2</td>
<td>Ningbo (arrived in Mar 2017)</td>
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<tr>
<td>3 Axis high speed milling</td>
<td>1600X1200X800</td>
<td>1</td>
<td>Taiwan</td>
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<tr>
<td>3 Axis high speed milling</td>
<td>1200X600X400</td>
<td>1</td>
<td>Taiwan</td>
</tr>
<tr>
<td>3 Axis high speed milling</td>
<td>1600X800X700</td>
<td>1</td>
<td>Shenzhen</td>
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<tr>
<td>Double-headed EDM</td>
<td>2200X1200X950</td>
<td>1</td>
<td>Guangdong</td>
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<tr>
<td>Single-headed EDM</td>
<td>1800X800X750</td>
<td>1</td>
<td>Guangdong</td>
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<tr>
<td>Grinding machine</td>
<td>180</td>
<td>4</td>
<td>Guangzhou</td>
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<tr>
<td>Polish machine</td>
<td>YG-250UL</td>
<td>1</td>
<td>Suzhou</td>
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<tr>
<td>Tapping machine</td>
<td>NCD-50K</td>
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<td>Guangzhou</td>
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## Equipments (2)

<table>
<thead>
<tr>
<th>Equipment Name</th>
<th>Model</th>
<th>QTY</th>
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<tbody>
<tr>
<td>Radial drilling machine</td>
<td>80</td>
<td>1</td>
<td>Hangzhou</td>
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<tr>
<td>Grinding machine</td>
<td>180</td>
<td>4</td>
<td>Guangzhou</td>
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<tr>
<td>Die spotting machine</td>
<td>1800*1300</td>
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<td>Guangzhou</td>
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<tr>
<td>Temperature control box</td>
<td>16、24、36</td>
<td>3</td>
<td>HRS</td>
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<tr>
<td>Hardness testing machine</td>
<td>MH310</td>
<td>1</td>
<td>Beijing</td>
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<tr>
<td>Mold surface temperature measuring machine</td>
<td>WHZ</td>
<td>1</td>
<td>Shanghai</td>
</tr>
<tr>
<td>Hot runner valve gate measuring machine</td>
<td>SET</td>
<td>1</td>
<td>Italy</td>
</tr>
<tr>
<td>CMM</td>
<td>Wenzel XL</td>
<td>1</td>
<td>Germany</td>
</tr>
<tr>
<td>Injection machine for 2K/3K/single color</td>
<td>FCS 1600T</td>
<td>1</td>
<td>Taiwan</td>
</tr>
<tr>
<td>injection machine for transparent and thickwall parts</td>
<td>FCS 470T</td>
<td>1</td>
<td>Taiwan</td>
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EDM

Single-headed EDM

Double-headed EDM
# High Speed Milling Machine

<table>
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<tr>
<th>Feed Rate</th>
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<tbody>
<tr>
<td>Cutting Feed</td>
<td>1-24,000 mm/min</td>
</tr>
<tr>
<td>X,Y,Z Axis Rapid Feed</td>
<td>24,000 mm/min (0%, 30%, 50%, 100%)</td>
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## Machine Precision

<table>
<thead>
<tr>
<th></th>
<th>Accuracy</th>
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<tbody>
<tr>
<td>Position (X/Y/Z)</td>
<td>0.004 mm</td>
</tr>
<tr>
<td>Repeat Accuracy</td>
<td>0.002 mm</td>
</tr>
</tbody>
</table>
Machines

- 3 Coordinate Measuring Machine (Germany Wenzel)
- Die Spotting Machine
- Deep Hole Drilling Machine
Moulding Machine

1. FCS 470T with robot
2. max mold size: 800*1100*1000mm
3. Special for transparent parts
Design Info.

- Nbr of Design team: 19

- Software used for **3D**: UG4.0\UG8.0\CATIA V520

- Software used for **2D**: AUTO-CAD2010

- Software used for **Moldflow**: AUTODESK Mold flow 2012

- Software used for **CAM**: Pro/E

- Software used for **Photometric Analysis**: ASAP 7.5, ASAP 2010

- Software used for **Thermal Simulation Analysis**: FloEFD-V11.2

- Software used for **Vibration Simulation Analysis**: FE-SAFE
What our designers do

Moldflow Analysis
What our designers do

- Cooling
- Layout
- Analysis

Cooling Layout And Analysis
What our designers do

• Photometric Analysis For Reflector- ASAP
What our designers do

- Photometric Analysis For Light-guide
HL 2K Lens

- Zotye T700 - 2K Lens
  Mold Steel: 1.2343ESR
  HRS Valve Hot Runner, 6 Points
HL 2K Lens

- Double Color Lens of Headlight

Mold Steel: 1.2344
HRS Valve Hot Runner, 6 Points
HL 2K Lens

- Double Color Lens of Headlight

Mold Steel: 1.2343ESR
HRS Valve Hot Runner, 6 Points
Eagle HL Lens

- **Varroc- Eagle HL Lens**

  Mold Steel: 1.2343ESR
  HRS Valve Hot Runner, 2 Points
ZKW Headlight

• ZKW GM J200 Headlight Housing & Reflector

Mold Steel: 1.2343ESR
HRS Valve Hot Runner, 2 Points

Mold Steel: 1.2344ESR
Brilliance Headlight

- Brilliance 230 - Lens of Headlight

Mold Steel: 1.2343ESR
HRS Valve Hot Runner, 2 Points
Zotye Headlight

- Zotye A01 - Housing of Headlight
  - Mold Steel: 1.2738HH
  - HRS Valve Hot Runner, 2 Points
VW Taillight Housing

- VW POLO - Housing

Mold Steel: 1.2343ESR/1.2738HH
HRS Valve Hot Runner, 2 Points
AL Taillight Housing

- AL SUZUKI YL1- Housing

Mold Steel: 1.2343ESR/1.2738HH
HRS Valve Hot Runner, 2 Points
OEM Tail light

- **Ford- 3K Lens**
  - Mold Steel : 1.2343ESR
  - HRS Valve Hot Runner, 6 Points
OEM Tail light

- **S32- Double Color Lens**

  Mold Steel: 1.2343ESR
  HRS Valve Hot Runner, 6 Points
OEM Tail light

- **Suzuki A6-CRT - Double Color Lens**
  - Mold Steel: 1.2343ESR
  - HRS Valve Hot Runner, 6 Points
OEM Tail light

- Koito Peugeot A94 - Double Color Lens

  Mold Steel: 1.2344
  HRS Valve Hot Runner, 2 Points
Mazda OEM Lights

- Mazda CX-5 Turning Light
- Mazda CX-5 Housing & Lens
- Mazda CX-5 High Braking Light
OEM Tail light

- Double Color Lens

Trumpche-GA8
Trumpche-GS8
BAIC- C70
Arteb-VW 218
Arteb-VW 230
Arteb-VW 219
Koito Light Guide

• Koito Ford U375 - Light Guide
Koito GM E2LB - Headlight Light Guide

Mold Steel: 1.2344
HRS Valve Hot Runner, 4 Points
AL Light Guide

- AL Honda - Light Guide CN0400007
Koito Light Guide

- Koito - Light Guide V002-F102.CHL.

Mold Steel: Assab MIRRAK
Koito Light Guide

- Koito VW 231 - Light Guide

Mold Steel: S136
HRS Valve Hot Runner
R=0.05mm
OEM Headlight Lense

- Mingyu KOITO MT 08 - Integrated Lense of High & Low

Mold Steel : S136
HRS Valve Hot Runner, 4 Points
Two moulding process
Koito Light Guide

• Koito- XMT705DRL Light Guide

Mold Steel: Assab MIRRAK
HRS Valve Hot Runner, 2 Points
DRL - Light Guide

- **T700 Thickwall Light Guide-1**
  - Mold Steel: 1.2343 ESR
  - HRS Valve Hot Runner, 2 Points
OEM BMC Reflector

Mold Steel: Assab 8407
Mirror Polishing
Vacuum Pulling

Koito

Arteb- FIAT
## Main Clients

<table>
<thead>
<tr>
<th>ARTEB</th>
<th>JAMSAZ</th>
<th>MINDA</th>
<th>VARROCEXCELLENCE</th>
</tr>
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<tbody>
<tr>
<td>KOITO</td>
<td>ZKW</td>
<td>VALEO</td>
<td>TEHRANFAM</td>
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<tr>
<td>MAGNA</td>
<td>QMDJ</td>
<td>QINCHUANAMS</td>
<td>YONGHAO</td>
</tr>
<tr>
<td>Anrui</td>
<td>GreatWall</td>
<td>HELLA</td>
<td>AL-MagnetiMarelli</td>
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Main Clients

- XUNCHI
- DEPO
- SALA
- LUMAX
Exhibitions

Asiamold 2013                          DMC 2014                               Asiamold 2014
Asiamold 2011                       Chinaplas 2012                          Canton Fair 2013
Asiamold 2011                          Chinaplas 2012                          Canton Fair 2013
Exhibitions

DMC 2015

Asiamold 2015

DMC 2016

Euromold 2016

Euromold 2016

DMC 2017