Xiamen Weiyou Intelligent Technology Co., Ltd.

Catalogue

- Founded Overview
- Organizations
- Business Items
- Machine Equipment
- Flowchart of Quality Assurance System
- Design Process
- Mold Making Process
- Products
Founded Overview

- Founded Time: 1994/8 (Xiamen)
- Amount of Investment: US$2,000,000
- General Manager: Mr. Sun
- Contacts: 13860136192
- Serving Staff: 290
- Plant Area: 5,000 m²
- Total Area: 10,000 m²

- Main Operational Projects:
  1. Variety of precision plastic mold design and manufacture
  2. Plastic injection molding processes
  3. Plastic coating painting, screen printing and hot stamping processing
**Business Items**

- Mold development (whole group completed)
  1. CNC
  2. Spark Plug
  3. WEDM-LS
  4. Etching Process

- Molding process
  1. Trial Mold
  2. Molding and Production

- Plastic Processing
  1. Spray Finishing
  2. Printing
  3. Hot Stamping
  4. Assembling
Machine Equipment

Electric Injection Molding Machine .......... 2pcs
Injection Molding Hydraulic Machine ........ 42pcs
Vertical Hydraulic Machine ................... 3pcs
Knockout Machine .................................. 39pcs
Oil Temperature Machine ....................... 10pcs
Pulverizer ............................................ 7pcs
Refrigerating Machine ............................. 5pcs
Control Monitor ..................................... 8pcs
LDAS .................................................. 3pcs
Immediately Recycling Machine ............. 16pcs
## Machine Model List

<table>
<thead>
<tr>
<th>Machine Type</th>
<th>Mold Height (mm)</th>
<th>Screw Type (mm)</th>
<th>Injection Capacity (mm)</th>
<th>Tie Bar Clearance (mm)</th>
<th>Mold Clamping Force (kg/cm²)</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>GSK-100T (Taiwan)</td>
<td>100-400</td>
<td>∅ 22</td>
<td>180</td>
<td>360*320</td>
<td>140</td>
<td>8</td>
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<tr>
<td>GSK-150T (Taiwan)</td>
<td>200-500</td>
<td>∅ 32</td>
<td>110</td>
<td>450*350</td>
<td>140</td>
<td>2</td>
</tr>
<tr>
<td>CLF-100T (Taiwan)</td>
<td>100-380</td>
<td>∅ 30</td>
<td>210</td>
<td>380*380</td>
<td>99</td>
<td>6</td>
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<tr>
<td>CLF-120T (Taiwan)</td>
<td>100-450</td>
<td>∅ 30</td>
<td>210</td>
<td>420*420</td>
<td>99</td>
<td>18</td>
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<tr>
<td>CLF-200T (Taiwan)</td>
<td>150-550</td>
<td>∅ 45</td>
<td>270</td>
<td>520*500</td>
<td>99</td>
<td>2</td>
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<tr>
<td>CLF-400T (Taiwan)</td>
<td>250*700</td>
<td>∅ 75</td>
<td>330</td>
<td>680*600</td>
<td>99</td>
<td>2</td>
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<tr>
<td>CLF-650T (Taiwan)</td>
<td>300-800</td>
<td>∅ 60</td>
<td>300</td>
<td>820*800</td>
<td>99</td>
<td>1</td>
</tr>
<tr>
<td>Sumitomo motor-75T (Japanese)</td>
<td>160-410</td>
<td>∅ 22</td>
<td>100</td>
<td>410*360</td>
<td>730KN</td>
<td>1</td>
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<tr>
<td>Sumitomo motor-100T (Japanese)</td>
<td>180-410</td>
<td>∅ 25</td>
<td>100</td>
<td>460*410</td>
<td>980KN</td>
<td>1</td>
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</table>
Painting Processing Equipment

Assembly Line ......................................................... 1pc
Photoelectric Oven..................................................... 1pc
Automatic Spray Gun............................................... 2pcs
Pad Printing Machine............................................. 5pcs
Stamping Machine.................................................. 4pcs
UV Spray Paint Line............................................... 1pc
**Mold Equipment**

- VMC ......................................................... 7pcs
- Centre Lathe ............................................. 1pc
- EDM .......................................................... 8pcs
- High-speed Small Hole Puncher .................. 2pcs
- Dissolves Machine ....................................... 1pc
- Grinder ....................................................... 5pcs
- Rotation Drilling Machine .......................... 1pc
- Milling Machine ........................................... 7pcs
- WEDM-LS ..................................................... 6pcs
- WEDM ......................................................... 3pcs
- Ultrasonic Cleaners .................................... 1pc
Checkout Equipment

Vernier Caliper.................................................. 44pcs
Dial Indicator.................................................... 6pcs
Altimeter.......................................................... 8pcs
Micrometer....................................................... 12pcs
Projection Machine............................................. 1pc
2D................................................................. 4pcs
3D................................................................. 1pc
Tension Meter................................................... 1pc
Checkout Equipment

Manometer ........................................ 1pc
Durometer ........................................ 1pc
Plug Gauge ........................................ 8pcs
Colorimeter ....................................... 1pc
Grinding Thickness Gauge ..................... 1pc
Wear-resistant Instrument ..................... 1pc
Temperature Detector ........................ 1pc
Quality Assurance System Flowchart

1. Mold Resume
2. Mold Design
3. Mold Design & Production
4. Progress Control

1. Mold trial report
2. Sample inspection record
3. Mold Operating Instructions
4. Samples Confirmation
**Design Process**

1. Provide a model drawing by customers
2. Mold inspection by engineers and customers
3. 2D Design / Mold Flow
4. Mold inspection and process reporting
5. Customer confirmation
6. 3D Design -> CNC Programming
7. 2D Dim. Marking / Inspecting
8. Drawing issuance and According to figure molding
# Software

<table>
<thead>
<tr>
<th>Programming Software</th>
<th>Graphics Software</th>
<th>Measurement Software</th>
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<tbody>
<tr>
<td>UG NX4.0</td>
<td>AutoCAD 2002</td>
<td>Pro Tech 2D</td>
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<tr>
<td>UG NX6.0</td>
<td>AutoCAD 2006</td>
<td>Pro Tech 3D</td>
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<tr>
<td>Surface CAM</td>
<td>Center Mold 2000</td>
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<tr>
<td>Power Mill 5.0</td>
<td>Metal CAD</td>
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<tr>
<td>Power Shape 5440</td>
<td>Pro/E Wildfire 3.0</td>
<td>Mold Flow 6.0</td>
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</table>
Mold Production Process

- Design/CNC Programming
- Assembled supporting mold
- Inspection mold assembly situation and auxiliary equipment
- Trial mold

Accept

NG

Measurement

Accept

Assembled supporting mold

Trial mold Detection

Pass self-inspection

Not pass self-inspection

Send to customers

Analysis

Suggestions
Time of Make Mold

- **The New Model**
  - 01-03
  - Mold Design: 1-6 (6 days)
  - Mold Production and Processing: 7-24 (18 days)
  - Mold Manufacture: 25 (1 day)
  - Design Revise, Trial Mold, Trimming: 21 (1 day)

- **Mold Report**
  - 30 days

- Design No Revise Model
  - 01-07
  - 1-3 (3 days)
  - Mold Production and Processing: 4-20 (17 days)
  - Design Revise, Trial Mold, Trimming: 21 (1 day)

- Replaced Mold
  - 20 days
  - 1-2 (2 days)
  - Mold Production and Processing: 3-19 (17 days)
  - Design Revise, Trial Mold, Trimming: 20 (1 day)

Engineering design change generated between the design and production process.

Engineering design change arose prior to molding.

Mold structure layout and engineering design change to be completed before the mold.
# Mold Plan Productivity

**Units: month**

<table>
<thead>
<tr>
<th>Year</th>
<th>Amount</th>
<th>Large Molds (650~350ton)</th>
<th>Small and Medium-sized Molds</th>
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<tbody>
<tr>
<td>2014</td>
<td>80</td>
<td>30</td>
<td>50</td>
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</tbody>
</table>

*PS: The maximum mold can produce 42 inches.*
Production Plant - Injection Molding

Injection Molding Line A

Injection Molding Line B

Injection Molding Line C

Injection Molding Line D
Production Plant

Packing Wash Zone

Refurbishment Department

Mold Warehouse

Stripping Room
Factory – Product Processing

Painting Line

Photoelectric Oven

Printing Line

Hot Stamping Line
Factory-Mold Processing Zone

High Speed Wire Processing Zone

Slow Speed Wire Processing Zone

CNC Processing Zone

Milling Machine Zone
Factory-Mold Processing Zone

Grinding Machine Zone

Supporting Mold Zone

Polishing Zone

EDM Zone
Factory – Checkout Equipment

3D Microscope

2D Colorimeter
Factory

QC Zone

Staff Dining Area

Finished Products Store (1F)

Finished Products Store (2F)
Product Line - Electronics & Electrical Products
Product Line-Electronics & Electrical Products
Product Line - Electronics & Electrical Products
Product Line - Machinery & Electronic Products
Product Line - Stationery Products