TOTAL SOLUTIONS GLOBAL PROVIDER FOR THE MOULDS, INJECTION PARTS AND COMPONENTS

https://upmold.com/
Upmold Technology Limited (UMT) is one of top-level quality plastic injection mold maker which is mainly specializing in making molds and molding & assembling finished units. We specialize in precision designer and manufacturer for 8 years, with the experienced design team and professional engineering team, with good quality and pretty competitive price. Upmold is UMT’s Brand
MISSION
Making high quality precision molds and parts with competitive price, and providing good service to meet our customers’ demanding.

VISION
To be total solutions global provider for moulds, injection parts and components.

OUR PROMISES
We would never sacrifice product quality for the lower prices. We will keep you fully informed by providing processing progress reports and digital pictures weekly.
Our service

- Precision Mold Tooling
- Double Injection Mold
- Over molding Molds
- Tow shots molds
- Hot & Cold Runner System Mold
- Insert Tooling & Molds
- Unscreeing Mold
- Gas Assisted Molds
- Large Size Molds
- Multi & Single Cavity Molds

- Part Design
- Part Design Optimization
- Products Construct Design
- Product Design Assistance
- Mechanical Properties
- Cost Analysis
- Design For Manufacturing
- Reverse Engineering
- Products Updated Design
- Tooling Plans
- Quality Requirement Planning

- CAD/CAM Design
- Mold-Flow Analysis
- DFM Report
- Early Stage Engineering
- Complex Mold Design
- Highly Engineered Work Cells
- Material Selection Consultation
- Material Testing and Validation
- Product Testing
- Tooling design
- Consulting Service
- Program support

- Precision CNC Machining
- Decorating Service
- custom Wire cutting & EDM Sparking
- Quick Change Molds
- Mold Repairing
- Metal or Plastic Component manufacturing
- Rapid prototypes
- Assembly & Packaging

- Full Service custom Injection Molding
- Precision Injection Molding
- Mass Production
- Die Casting
- small unit serial production
Our professional engineering abilities are one of our decisive strong points. Upmold pays special attention to the design, as a good design is the soul of a good mold. There is a very experienced design team with the latest CAD/CAE/CAM in Upmold.
Project Management is one of the key elements to run a successful program. We build a team consisting of project managers with a strong background in the project management process and in the mold industry with robust communication skills. The team has the necessary resources to perform a high level of service, such as they only need to report to the boss to insure a flawless project management process between Up-mold and the customer base.
Upmold team / Management

Jeff Feng
General manager

Robert Zhang
Project manager

Tom
Manufacture manager

John
Engineering manager

Adela Lin
Project manager

Leo
Tooling manager

Ming
Molding manager

Don
Quality manager
Cooperation process: First Step

1. **Customer RFQ**
   - Quotation
   - Order Confirmation

2. **Project Analyzing**
   - Mold Layout Design
   - GA Drawing Confirmation
   - Layout drawing to be offered within 3-5 days

3. **DFM**
   - 1. Product structure analyzing
   - 2. Moldflow analyzing
   - 3. Mold structure analyzing
   - 4. Steel & Plastic material confirmation
   - 5. Mold specification and solution report

4. **Confirming with customer**
   - Drawing approved by customer
Cooperation process: Second Step

Order steel/ Mold base/ Standard Component

Production Planning

Manufacture

Inspection

Mold Trial

Offer weekly report and photos in process

Apply CMM to inspecting 3D measurements of each part to satisfy customer’s requirements for dimensions and quality

Send samples, together with the report inspected By CMM and injection parameters to customer
Cooperation process: Third Step

1. Mold improvement & samples inspection
2. Texture and Engraving
3. Final mold inspection
4. 4-6 Hours trial production before delivery
5. Mold Packaging
6. Delivery

- Samples inspection after mold improvement
- Inspecting mold to satisfy customer’s quality request
- Mold packed with the vacuum film and rustproof in wooden cases

Mold package includes:
1. 2D & 3D mold drawings in a CD
2. Steel certification and mold base certification
3. Heat treatment certification
4. Injection molding parameters
5. Mold running video
Project management

**Flow Chart**

- **Spec Input**
  - Customer Order
  - Project Engineering
  - Discussion with Customer
  - Mold Design
  - Customer Review
  - Technical Design
  - Tooling
  - Process Control
  - Mold Trial
  - Sample inspection
  - Delivery
  - Mold Modification

<table>
<thead>
<tr>
<th>Content</th>
<th>Action By</th>
</tr>
</thead>
<tbody>
<tr>
<td>Formal Purchase order, part design, 3D model</td>
<td>Marketing Dept.</td>
</tr>
<tr>
<td>Part Design, 3D Model, Sample, Prototypes, Customer Technical Requirements etc.</td>
<td>Project Engineering Dept.</td>
</tr>
<tr>
<td>Part Design Proposal and Improvement (if needed)</td>
<td>Project Engineer, Design Dept.</td>
</tr>
<tr>
<td>Mold structure and component design</td>
<td>Design Dept.</td>
</tr>
<tr>
<td>Mold Design &amp; improvement, and design finalizing</td>
<td>Project Engineer, Design Dept.</td>
</tr>
<tr>
<td>CNC Programming, Progress following up</td>
<td>MFG Dept., Project Engineer</td>
</tr>
<tr>
<td>CNC Machining and other process progress</td>
<td>MFG Dept., QC, Project Engineer</td>
</tr>
<tr>
<td>Assembly Progress and Report to Customer</td>
<td>MFG Dept., QC, Project Engineer</td>
</tr>
<tr>
<td>Mold trial/inspection/sample delivery and follow up</td>
<td>MFG Dept., QC, Project Engineer</td>
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<tr>
<td>Sample Inspection/Mold Modification solution/ Mold Modification</td>
<td>MFG Dept., QC, Project Engineer</td>
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<tr>
<td>Arrangement of Inspection Mold Final inspection Mold Delivery</td>
<td>Shipping Dept, Project Engineer</td>
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</table>
Giant CNC Machine
Makino CNC Machine

New Fresh
Makino V33i
CNC Machine
3D Printer
Low Speed wire cutting Machines
EDM Workshop
EDM Workshop
Grinding Workshop
Tooling Room

Fitting Division
Quality control

As an ISO 9001-2015, ISO 14001-2015 certified company, we take the high quality as a base for the company’s development, from incoming material to electrode, from CNC machining to final assembly, every component and every process needs to be strictly inspected by QC, to ensure every component is accepted before the next process.
QA Department
Injection Molding Workshop
<table>
<thead>
<tr>
<th>Item</th>
<th>Brand</th>
<th>Model</th>
<th>Maximum Stroke</th>
<th>Qty(set)</th>
<th>Origin</th>
<th>Barrel Size</th>
<th>Totality</th>
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<tr>
<td>Molding Machines</td>
<td>FANUC</td>
<td>α—S50iA</td>
<td>360*320mm 200mm/s</td>
<td>3</td>
<td>Japan</td>
<td>ø 26</td>
<td>2</td>
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<tr>
<td></td>
<td>FANUC</td>
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<td>460*410mm 200mm/s</td>
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<td>Japan</td>
<td>ø 32</td>
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<td>ø 40</td>
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<td></td>
<td>Mulplas</td>
<td>Vertical Molding</td>
<td>360*320mm 200mm/s</td>
<td>1</td>
<td>TAIWAN</td>
<td>ø 20</td>
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# Molding Equipment List

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<thead>
<tr>
<th>Item</th>
<th>Brand</th>
<th>Model</th>
<th>Maximum Mold Size</th>
<th>Qty(set)</th>
<th>Origin</th>
<th>Melt Volume Of PS (g)</th>
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<tr>
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<td></td>
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<tr>
<td>Haitian</td>
<td>470 Tons</td>
<td>780x780x780(mm)</td>
<td>1</td>
<td>China</td>
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<tr>
<td>Haitian</td>
<td>380 Tons</td>
<td>710x710x710(mm)</td>
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<td>China</td>
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<td></td>
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<tr>
<td>Haitian</td>
<td>250 Tons</td>
<td>570x570x570(mm)</td>
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<td>China</td>
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<tr>
<td>Haitian</td>
<td>200 Tons</td>
<td>510x510x510 mm)</td>
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<td>Haitian</td>
<td>160 Tons</td>
<td>455x455x500(mm)</td>
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<td>Haitian</td>
<td>120 Tons</td>
<td>410x410x430 (mm)</td>
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# Tooling Equipment List

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<tr>
<th>Item</th>
<th>Brand</th>
<th>Model</th>
<th>Maximum Stroke/RPM (r/min)</th>
<th>Qty(set)</th>
<th>Origin</th>
<th>accuracy</th>
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<tbody>
<tr>
<td><strong>CNC Machines</strong></td>
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<td></td>
<td>FANUC</td>
<td>α—D14MiB</td>
<td>500<em>400</em>330mm 24000 RPM</td>
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<td>Japan</td>
<td>±0.005mm</td>
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<tr>
<td></td>
<td>YCM</td>
<td>NXV1020AM</td>
<td>1020<em>520</em>540mm 15000 RPM</td>
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<td>Taiwan</td>
<td>±0.008mm</td>
</tr>
<tr>
<td></td>
<td>JINGDIAO</td>
<td>JDHGT600</td>
<td>600<em>500</em>300mm 32000 RPM</td>
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<td>China</td>
<td>±0.008mm</td>
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<tr>
<td></td>
<td>Venture</td>
<td>SFV-1613</td>
<td>1600<em>1300</em>700mm 12000 RPM</td>
<td>1</td>
<td>China</td>
<td>±0.01mm</td>
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<tr>
<td></td>
<td>Makino</td>
<td>V33i</td>
<td>650<em>450</em>350mm 30000 RPM</td>
<td>1</td>
<td>Japan</td>
<td>±0.008mm</td>
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<tr>
<td><strong>Grinding Machines</strong></td>
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<td></td>
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<td></td>
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<tr>
<td></td>
<td>WANGPAN</td>
<td>L-618</td>
<td>350<em>180</em>270mm</td>
<td>2</td>
<td>Taiwan</td>
<td>±0.002mm</td>
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<tr>
<td></td>
<td>JL</td>
<td>JL-618</td>
<td>350<em>180</em>270mm</td>
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<td>Taiwan</td>
<td>±0.001mm</td>
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<tr>
<td><strong>EDM Sparking Machines</strong></td>
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<tr>
<td></td>
<td>Top</td>
<td>MP-50</td>
<td>540<em>400</em>400mm</td>
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<td>Taiwan</td>
<td>±0.01mm</td>
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<td></td>
<td>SODICK</td>
<td>AD32Ls</td>
<td>330<em>220</em>250mm</td>
<td>5</td>
<td>Japan</td>
<td>±0.002mm</td>
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<td>MARKINO</td>
<td>EDGE3</td>
<td>450<em>300</em>320mm</td>
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<tr>
<td><strong>Wire Cutting Machines</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>SODICK</td>
<td>ALN400Q (s)</td>
<td>400<em>300</em>250mm Wire line size D0.1mm</td>
<td>2</td>
<td>Japan</td>
<td>±0.002mm</td>
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<tr>
<td><strong>Milling Machines</strong></td>
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<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>GENTIGER</td>
<td>SHCM-97A</td>
<td>600<em>350</em>300mm</td>
<td>2</td>
<td>Taiwan</td>
<td>±0.02mm</td>
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<tr>
<td></td>
<td>GENTIGER</td>
<td>SHCM-97A</td>
<td>600<em>350</em>300mm</td>
<td>1</td>
<td>Taiwan</td>
<td>±0.02mm</td>
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<tr>
<td><strong>Punched Machines</strong></td>
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<tr>
<td></td>
<td>zhenbang</td>
<td>Z3525</td>
<td>400<em>300</em>250mm Electrode Pipe D0.3-D3.0</td>
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<p>| Totality | 6 | 5 | 6 | 2 | 3 | 1 |</p>
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<thead>
<tr>
<th>Item</th>
<th>Brand</th>
<th>Model</th>
<th>Maximum Stroke</th>
<th>Qty(set)</th>
<th>Origin</th>
<th>accuracy</th>
<th>Totality</th>
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</thead>
<tbody>
<tr>
<td>Height Gauge</td>
<td>Mitutoyo</td>
<td>LH-600E</td>
<td>600mm</td>
<td>1</td>
<td>Japan</td>
<td>±0.001mm</td>
<td>5</td>
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<tr>
<td>NIKON MF-501</td>
<td></td>
<td>200mm</td>
<td></td>
<td>4</td>
<td>Japan</td>
<td>±0.0005mm</td>
<td></td>
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<tr>
<td>Projector machines</td>
<td>Kamioka</td>
<td>ME-A508</td>
<td>100*100mm</td>
<td>1</td>
<td>Japan</td>
<td>±0.001mm</td>
<td>1</td>
</tr>
<tr>
<td>Microscope machine</td>
<td>Mitutoyo</td>
<td>MF-A3017D</td>
<td>400*250mm</td>
<td>1</td>
<td>Japan</td>
<td>±0.001mm</td>
<td>1</td>
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<tr>
<td>CMM</td>
<td>HEXAGON</td>
<td>Inspector Classic</td>
<td>600<em>1000</em>600mm</td>
<td>1</td>
<td>Swedish</td>
<td>±0.001mm</td>
<td>1</td>
</tr>
</tbody>
</table>
1. Injection Analysis
2. Temperature Analysis
3. Welding Line analysis
4. Deformation Analysis
5. Thickness uniform checking
6. Flowing balance review
7. Clamping force evaluation
8. Air tap analysis
Product features

- Automotive
- Home appliances
- Electronics
- Medical appliances
- Mould components
- Others

Our products

- 40%
- 15%
- 10%
- 10%
- 15%
- 10%

Brands:

- Johnson Controls
- TRW
- MAGNA
- Audi
- Mercedes
- Toyota
- Honda
- BMW
- Hyundai
- Nissan
- IKEA
- Jabil
- AVERY DENNISON
- RHYTHMIA
- Alma
<table>
<thead>
<tr>
<th>Multi-cavity (up to 100 cavities)</th>
<th>Fixture</th>
<th>Hot runner system (Mold master, Incoe, Husky, Syventive, YUDO)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Die-casting</td>
<td>Collapsible cores</td>
<td>Large and Complex Molds (up to 20 ton)</td>
</tr>
<tr>
<td>2-shot molds</td>
<td>Bi-mold</td>
<td>BMC, high Precision molds, Components, Silicone molds</td>
</tr>
</tbody>
</table>
Plastic injection mold

- Multi-cavity injection mold
- Precision injection mold
- Automotive bumper injection mold
- Air venting injection mold
- Elbow injection mold
Die-casting mold & Samples

- Zinc Alloy Die-casting mold
- Aluminum Alloy Die-casting mold
- Magnesium Alloy Die-casting mold
Die casting products
AUTO Air Venting Products
Automotive Radiator Tanks & Bumpers
Automotive Grilles, Lens & Bumpers
Precision products
We specialize in manufacturing of precision metal components and custom mold components such as Sliders, Lifters/Cams and Inserts. With high-precision grinding machines, wire cutting, CNC, EDM, CMM and other manufacturing and inspection equipments, we can keep tolerance of +/- 0.005mm.
Fixtures
Staff activity  (Outward bound training in 2019)
Staff activity (Outward bound training in 2020)
Staff activity  (Outward bound training in 2020)
1. Q: Do you have experience to build export mould?
   A: Yes, we do. Over 75% of our molds are exported.

2. Q: How many moulds could you make every month?
   A: 30 sets.

3. Q: How many employees do you have?
   A: 100 Persons

4. Q: How about the largest mould you can make?
   A: Maximum Tons: 15 Tons
      Maximum size: 1700x1500x1500mm
      Maximum Machining Size: 1600x1300x600mm

5. Q: What is percentage of automotive moulds you made? What's the brand?
   A: About 45%. Brand: BENZ, VW, GM, FORD, TOYOTA, NISSAN, Lamborghini

6. Q: Can you make precision mould ?
   A: Yes. And we can hold mould tolerance +/- 0.05~0.01mm, product tolerance +/- 0.02mm.

7. Q: How about the steel you usually use?
   A: We only use raw materials with good quality like P20, P20H, 718H, NAK80, 1.2311, 1.2378, 1.2344, 1.2343 ESR, 1.2767, H13, 8407, 420SS, S136, S-7, etc. They are all from famous suppliers, such as LKM, ASSAB, THYSSEN, etc. Steel certificate and heat-treatment certificate will be provided along with the tools while delivery if required.
8. Q: What is the standard of your hot-runner system?
   A: It's decided by the customers. We have famous hot runner suppliers locally, such as MOLD MASTER, INCOE, YUDO, DME, SYNVENTIVE, HUSKY, HASCO, EWIKON, GUENTHER, etc.

9. Q: What kind of standard components do you use?
   A: HASCO, DME, PROGRESSIVE, STAUBLI, RABOURDIN are available.

10. Q: What do you need for quotation? And what about the software?
    A: 2D & 3D part files and mold specifications are preferred. We mainly use UG and AUTOCAD. But it is OK for us to read the files of Solidworks, PRO-E etc.

11. Q: What is your turn round time for injection mould building?
    A: Usually 3 to 8 weeks. It also depends on mould size and structure complexity.
Contact us

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Website: https://upmold.com
TEL: +86 0769 3363 0009

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