Interchangeable core molding

Advantage of Interchangeable Core Molding:

- Intertech is excellent in making *interchangeable cores molds and molding supplier* in Taiwan.
- This interchangeable core molding is one of *the most effective and cost-saving manufacturing process*.
- This kind of mold and molding solution is especially suitable for those who looks for “*more variety but less quantity*” solution.
- By using only one mold, it can generate/molding different kinds of products, which significantly improves the production efficiency.

Highlight:

- Intertech is very *strong in design* such interchangeable core mold and molding.
- *Different model cores changing can be done on injection molding machine*, without unloading the mold.
- *Mold Maintenance is very easy*
- *Molding process is very smooth.*
Project development

Intertech Machinery is good at manufacturing plastic mold components used in industrial and packaging applications. Per customer’s demand, we will discuss the raw material required, the color master batch required, mold making size required, molding machine size required, cycle time estimation, production time calculation report, etc. with customers. After that, parts design service, mold engineering service, mass production arrangement, post assembly service, or post machining service are also provided.

Each mold and molding projects case, we will see client specifications to serve the needs of a wide variety of industries. Our injection mold technology have D&B D-U-N-S compliant working system and meets high industry standards. We can mold any plastic, metal and rubber projects for customers. We have advanced machinery equipment to provide small to larger mold projects and also manufacture thermoplastic, engineering plastics, silicone rubber and metal parts.
**Highlight Points:**

- Our professional service includes engineering, mold making, prototyping and tooling.
- From single prototype to OEM and ODM high professional volume production, We can manage all our clients plastic injection molding requirements.
- Except making mold, we also provide injection molding service, compression molding service (especially for silicone rubber material compounding with various colors matching and production job for specific product need) or punch die production service.
- Our injection mold testing machine available 50~250T in house, 300~3000T in associated party.
- Per each project need, we also design and provide fixture and jig making service for stabilizing some easy deformed parts need.
- Per customer’s need, we also provide chrome plated, painting, ultra-sonic welding, assembly or packing/printing service.

We provide low volume, pilot run of production job and mass production for customer.
<table>
<thead>
<tr>
<th>Product Name</th>
<th>mould</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plastic Material</td>
<td>PP, PE, ABS, POM, PET, PBT, Nylon + GF… etc. PC, PMMA Acrylic for transparent product.</td>
</tr>
<tr>
<td>Steel of Cavity &amp; Core</td>
<td>Up to customer’s budget and productivity required, we suggest the following steel grade: Pre-harden steel: P20 (1.2311), P20+Ni… etc. Harden Steel: H13 (1.2344) / NAK80… etc. Stainless steel: ASSAB Stavax… etc.</td>
</tr>
<tr>
<td>Steel of Mold Base</td>
<td>Up to customer’s budget and requirement, we suggest different mold base steel to clients. Normal used material S50C, or P20</td>
</tr>
<tr>
<td>No. of Cavity</td>
<td>Customized</td>
</tr>
</tbody>
</table>
| Hardness of Cavity & Core | Pre-Hardeness Steel: HRC 30~32+-1*  
                         | Heat Treatment Steel: HRC 50~52+-1*                                   |
| Core pulling or Ejection system | Depends on the Products. Commonly used: Motor, oil cylinder, stripping plate, angel pin, ejector pin… etc              |
| Mould Accessories    | Compatible to DME/ HASCO Standard.                                    |
| Cooling System       | In Core: Baffle or By pass cooling  
<pre><code>                     | In Cavity Plate: Chain drilling type colling                           |
</code></pre>
<table>
<thead>
<tr>
<th><strong>Surface Finish</strong></th>
<th>Up to the product’s requirement, Normal used: Texture, EDM machining, Polishing</th>
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</table>
| **Mold Life**                | Up to mold steel grade, under ideal operation condition,  
1. Pre-harden steel, min. 20~300000 shots  
2. Harden / heat treatment steel: 60~800000 shots.  
| **Runner**                   | 1. Cold runner  
2. Hot runner  
3. Cold runner + hot runner |
| **Delivery time**            | 40~50 days, presenting T1 samples |
| **Packing**                  | Standard Wooden Case |
| **Production**               | We can also provide Pilot Run production and molding production |
Mold Order Process

Inquiry period:
- Customers send inquiry detail (2D, 3D, photos, samples)
- Intertech provides technical checking and suggestion
- Intertech provides quotation

Order confirm:
- Order confirmation
- Mold design layout preparation
- Mold design layout approval

Mold making:
- Steel ordering
- Mold making
- Mold assembly

Mold trial:
- Mold trial with T1 samples delivery
- Sample dimension checking
- Sample approval

Molding products:
- Upon request, we accept pilot run, low volume and mass production job.
- Product delivery

Mold delivery:
- Shipping documents preparation
- Wooden case fumigation proceeded
- Mold packing with standard export packed
- Mold delivery & report to customer
Mold Shipping Process

Mold Finish

Spare Parts

Boxing

When you receive
For Mold Inquiry, Customer Must prepare:

1. Product drawing with 2D(.dwg) and 3D (.igs, .stp...etc)?
2. Advise product material (ex. Plastic, rubber, silicone rubber or metal...etc)?
3. Molding machine tonnage size and platen size?
4. The cavity number of the mold that you want us to quote?
5. Mold steel grade that you want us to quote?
6. Hot runner or cold runner mold required?
7. Mold gating inlet preferred?
8. Mold ejection way preferred?
9. Other related information required ...(ex. Polishing, texture, engraving ...etc)

For Molding Products Inquiry, customer must prepare:

1. Products material required? (ex. Plastics, rubber, silicone, metal...etc)
2. Products quality required in total?
3. Delivery time required?
4. Post machining or not information? (ex. Chromed plate..., painting ...etc)
5. Assembly or not information?
6. Packing or not information?

-Contact Information—

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