Plastic container mold

20 Liter Plastic Round Container Mold

- 1 cavity
- Plastic Material: PP
- Hot sprue, small gating, with one point hot runner mold design
- Mold size: 550x550x1100mm
- Fits for 350 Tonnage Injection Tooling Molding Machine
- Estimated cycle time: approximate. 60~70 second
- Quick Lead time: if 2D, 3D parts drawing is confirmed, five to six weeks, presenting T1 samples

Highlights:
Intertech had made many good different sizes of plastic container molds and plastic lids molds for many customers. We had made 4.5 liter container and lid molds (both for round and square shapes), 13.5 liter container and lid molds (both for round and square shapes), 20 liter container and lid molds (both for round and square shapes), handle molds and knob molds...etc.

Welcome to send us your new mold project!
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 requires, 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 (especial 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><strong>Product Name</strong></th>
<th><strong>mold</strong></th>
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</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 Harfen 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>
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<tr>
<td>No. of Cavity</td>
<td>Customized</td>
</tr>
<tr>
<td>Hardness of Cavity &amp; Core</td>
<td>Pre-Hardness Steel: HRC 30<del>32+-1* Heat Treatment Steel: HRC 50</del>52+-1*</td>
</tr>
<tr>
<td>Core pulling or Ejection system</td>
<td>Depends on the Products. Commonly used: Motor, oil cylinder, stripping plate, angel pin, ejector pin... etc</td>
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<tr>
<td>Mould Accessories</td>
<td>Compatible to DME/HASCO Standard.</td>
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<tr>
<td>Cooling System</td>
<td>In Core: Baffle or By pass cooling In Cavity Plate: Chain drilling type cooling</td>
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*HRC: Rockwell hardness scale C - a scale to measure hardness of materials. The HRC scale is defined by the hardness of an indentation made by a diamond instrument under specific loads and geometry. It is often used to measure the hardness of hardened steel. The scale ranges from 0 to 120, with lower numbers indicating softer materials and higher numbers indicating harder materials.*
<table>
<thead>
<tr>
<th>Surface Finish</th>
<th>Up to the product’s requirement, Normal used: Texture, EDM machining, Polishing</th>
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<tbody>
<tr>
<td>Mold Life</td>
<td>Up to mold steel grade, under ideal operation condition, 1. Pre-harden steel, min. 20<del>300000 shots 2. Harden/heat treatment steel: 60</del>800000 shots 3. Stainless steel: 1 million shots.</td>
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<tr>
<td>Delivery time</td>
<td>40~50 days, presenting T1 samples</td>
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<tr>
<td>Packing</td>
<td>Standard Wooden Case</td>
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<tr>
<td>Production</td>
<td>We can also provide Pilot Run production and molding production</td>
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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
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)

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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?

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-Contact Information—

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