

# Silicone earplug mold

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We make *custom molded mold* and *earplugs molding* for new projects.

The new earplug projects we make: includes *music earplug, disco earplug, sleep earplug, protective earplug, baby earplug, factory earplug, school earplug and lab earplug*...etc.

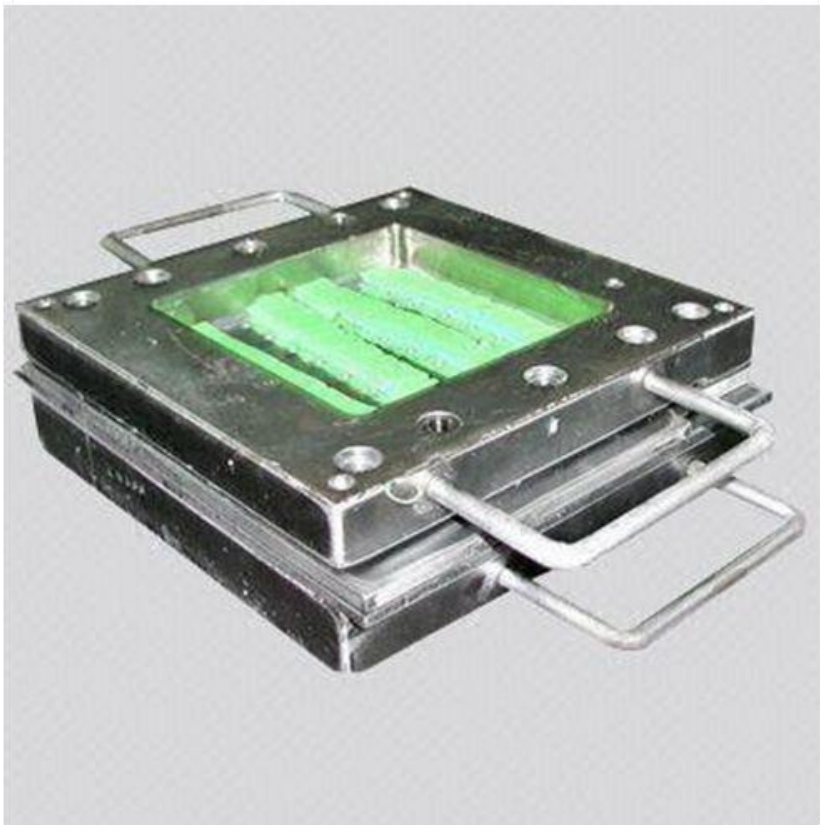
The earplug material we use: FDA approved, Non-Toxic, Skin-touchable.

Our service includes : *making silicone earplug compression molds and molding, best liquid silicone molding.*

Making various colors for fitting customer's need in market.

**Highlight: Making colors** on such material and such compression manufacturing process are never easy in this type of project, a lot of know-how for colors mixing in proper ratio and sustainable performance for its features and using environment, etc. Intertech has more than 20 years experience in checking all types of earplug design for its production availability with customer's designers. Welcome those new projects who needs to have a professional mold and molding engineering team to work with you !!!





## Liquid silicone mold

- Capable to making silicone rubber molds in hot compression way or injection way.
- Mold cavity and mold size can be discussed upon your own requirements.
- Produced from SGS, FDA approved silicone rubber and LSR materials.
- We usually use silicone rubber in the 40 to 70 shore A depending on customized requirements.
- Capable to manufacture tiny/small/little silicone molded parts for our customers.
- Supply with minimized flash free & mark free molded silicone products.
- Available in dealing with OEM manufacturing, ODM manufacturing, customized production, contract manufacturing for silicone rubber mold & molding projects in Taiwan.

Silicone parts mold and molding application examples :

Our mold development for silicone has a wide range of product application lines as such : ear plug, label, pad, gasket, protective frame, mobile phone protective cover, keypad, silicone rubber cord, check valve ...etc.

More Applications:

- in Aerospace (silicone molded seals...)
- in Medical and health care (silicone molded membranes, seals...)
- in Electronic (connection insulators...)
- in Cooking / Baking (silicone molded spatulas...)
- in Agricultural (seals...)

Liquid Silicone Rubber (LSR) parts mold and molding application examples :

Available to produce extensive coloring or high transparency option in the finished molded LSR products.

Capable in managing medical grade, food grade, normal grade liquid . Silicone molded products projects.

Our mold development for liquid silicone has a wide range of product application lines as such : baby nipple, pacifiers, seals, membranes, smooth surface LSR parts, respirator, medical mask, check valve, mouth guard, tension ring, diving masks...etc. application lines as such : baby nipple, pacifiers, seals, membranes, smooth surface LSR parts, respirator, medical mask, check valve, mouth guard, tension ring, diving masks...etc.

## For mold design, ...

1. The software we use includes *Pro-Engineer, I-Deas, Cimetron, Auto-Cad & Solidworks*.
2. Customer can send 2D, 3D, by *.igs .stp* formats to us.
3. We can provide mold flow analysis service.
4. Mold design (with the best optimized mold water channel arrangement design and the best cycle time performance consideration design)

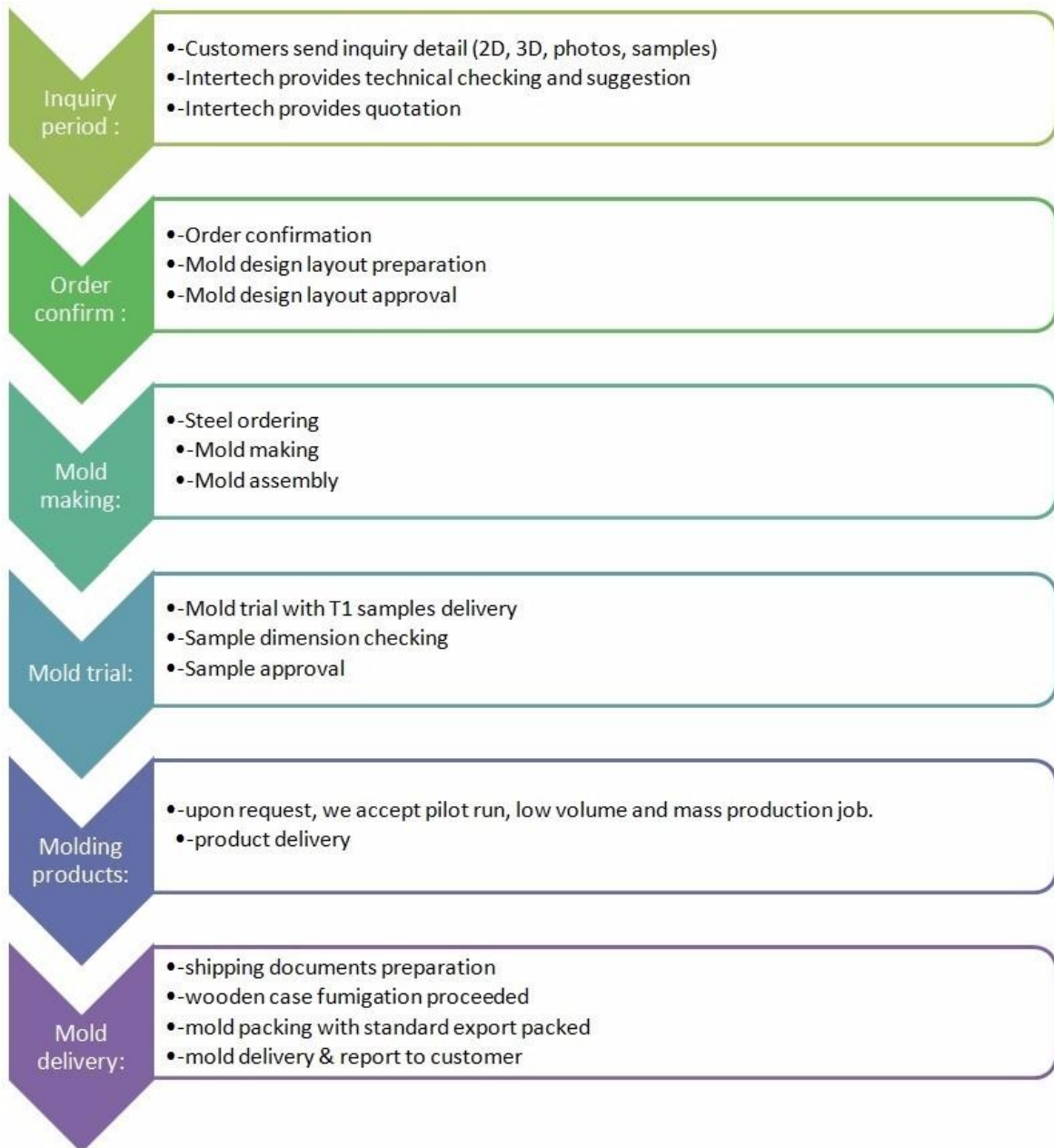
In addition, CNC milled prototype, 3D printing prototype, prototype mold making service, fixture / jig making or welding horn design and making are available in Intertech with good experience !

We need *2D, 3D parts design* to start our job, we can sign *NDA* (if needed)

## For mold making:

When making *mold project*, per customer's requirement for *mold steel* material, we choose the suitable mold steel grade for our customers. We have high quality *German and Japan imports mold steel* material to proceed our mold project making. Then, the *gating way* will be discussed, the *mold surface* will be discussed, the *mold cooling channel design* will be checked, the *operation style* will be discussed, the *molding machine size* will be determined and the *mold mechanism* in actual production movement will all be checked as well. Only after our mold engineers discussing with our customers for the *mold engineering* in detail, we will proceed with our mold making job.

# Mold Order Process



## Mold Shipping Process

### Mold Finish



### Spare Parts



### Boxing



### When you receive



- 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?

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