

Mold design, DFM study, MoldFlow study and mold making at Dongguan JEC Mold Co., Limited.

Mold Design

Our mold design team is experienced and skilled with 10+ years knowledge in global mold design for European, North American and Asian customers. Our senior designers are capable of reading customers standards and special requirements in English. Professional detailed mold design is key for a superior mold.

- Mold design can follow your special requirement or normal global mold design standards, such as DME / Meusburger / HASCO / Progressive / MISUMI.
- The 3D mold design formats can be any type you want, for example: STEP, IGES, Parasolid, CATIA, SolidWorks.
- Mold design is 100% completed with details and checked during mold design review meetings before it is sent to customers.
- For complex molds we can also do a mold motion simulation analysis to prove the feasibility of the mold structure. In the simulation the mold movements can be seen from open to close, step by step.

DFM Study

We make a professional DFM study for all of our molds and submit the detailed DFM to customers to get comments. Our normal DFM study contains the items below.

- Basic project and product information (part No., name, steel material and resin material, injection machine spec)
- Injection system with detailed pictures of gating for the part
- Main mold layout showing dimensions of the mold
- Product main parting lines and split lines of inserts
- Draft angle analysis and product thickness study
- Ejection layout and concept
- Cooling sketch layout
- Product surface finish review
- Part and steel tolerance review
- Any other customer requirements

MoldFlow Study

We apply a practical MoldFlow study for mass production molds to keep good quality and avoid potential defects and risks in advance. We make a full analysis: Filling, then Packing, then Warpage, then Cooling.

Mold Making

We are a professional mold-making factory dating from 2011. Mold-making is our main business, occupying 90%, with 10% injection production. We are fully equipped with advanced CNC, EDM, grinding and CMM machines. Over the past years we have built many complex and precision molds for automotive, equipment appliance and medical work.