

What is double injection?

Double Injection

It also can be called 2 shot molding, over molding or 2K molding.

Double injection is used to produce complicated molded parts from two different materials.

Through a highly specialized and automated process we carefully control the injection of multiple materials, including two different kinds of resin, into a single, multi-chambered mold.

Double Injection is programmed to perform two injections in one machine.

In the first cycle, a nozzle injects plastic into a mold.

Then mold will automatically rotate and a different type of plastic is injected into the mold from a second nozzle.

Benefits of Double Injection/ Over molding/2k molding:

Reduce assembly and labor costs

Improve part integrity

Multi-material bonding efficiency

Higher-quality production

Reduce time and waste

Mould Flying is an ISO/TS16949 certificate approved company with core competence only severing consistent uncompromising quality double injection product to our customers.

Materials of the double injection are for Mould Flying.

Plastic Parts: CARBON, POM, PPS, PPA, PBT, PET, PEI, PC, Nylon PA, Derlin, Acrylic, etc.

Special Material: Peek

The parts of double injection includes as following.

Electrical and electronic pins

Electrical and electronic contacts and connectors

Auto parts; Bike parts; Sport parts; Switches; Medical parts; Mechanical assemblies; Fasteners; Gears; Sensors

To learn more about the double injection , see our website.