

What is insert molding?

Insert Molding - Insert Injection Molding

A preformed plastic or metal insert is incorporated into the component during the molding stage or as a post molding stage to improve the strength of the molding or to add features to aid its functionality.

Inserts may be loaded robotically or manually.

Molten plastic is injected into the mold.

Upon cooling, the mold opens and the components are removed.

Components are separated from the spurs and inspected.

Post-molding assembly can include a variety of secondary operations,

Benefits of Insert Molding

Reduce assembly and labor costs

Reduced waste materials

Increase part consistency

Increase design flexibility

Reduce production time

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

Materials of the insert molding

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

Special Material: Peek

The parts of insert molding 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 insert molding, see our website.

