



#### Address

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High Quality Rapid Prototypes, Rapid Injection Moldings and Rapid Parts

HLH Proto LTD

**RAPID INJECTION MOLDING** - is a low to medium volume production process. First step, make a mold tool. Then install in injection mold press and inject molten plastic into the mold tool under pressure. Cool, eject part, and repeat.

**TIPS & TRICKS**: ReduRemove undercuts if possiblece Specify a lower grade surface finish Mold in standard plastics – pp, abs etc Reduce weight of part

MACHINE SIZE: 130T ~ 530T

## MATERIALS:

Too many to list. Talk to HLH to find out material options for your project.

## SURFACE FINISHES:

Textured in tool Coloured in tool Painted or Plated Silk/pad printed

## DRAWBACKS:

Requires investment in tooling Longer lead time to first parts

#### ADVANTAGES:

Low cost per part Repeatable Large selection of materials Good surface finish



# DRAFT:

Draft angles should be added to all parts in the direction of draw. Draft prevents surface scratches and damage when demolding & prolongs life of tool. Two degrees' draft + is recommended.

