

Moldflow

By using the best tools available, BPO's engineers provide you with detailed and reliable answers to the most complicated questions.

Moldflow analyses are offered at two main levels of detail:

Moldflow Plastics Advisor

With Moldflow Plastics Advisor, we can quickly test every part and mould concept for feasibility. Simulations can be ran instantly on almost every solid model.

Moldflow Plastics Insight

Moldflow's in-depth simulations are detailed predictions about all phases of part and mould design, manufacturing, and resulting part quality. The software covers a wide range of thermoplastic moulding processes:

Basic:

In depth simulation of filling, packing and cooling phase, based on constant mould wall temperature.

Analysed and optimised can be: number and position of injection points, clamp force, air traps, weld lines, shrinkage, filling pattern, cooling time.

Options:

Cooling analyses: Incorporating cooling channel lay-out and mould materials (steel, ampcoloy etc), analysing and optimising for fastest cycle time possible.

Warpage analyses analysing how the product will deform after ejection. The geometry and cooling can be optimised for minimal warpage.

Fibre analyses: Orientation of fibres is analysed, and their influence on the warpage and strength is analysed. The product can be optimised for minimal warpage and optimal strength.

Runner balancing, hot- and coldrunners can be balanced for equal product filling.



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BPO is the engineering office that engineers and optimises products with use of advanced computer simulations