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MOLDFLOW - Software for Plastics Parts & Mold Designs

Objectives

Moldflow Plastics Insight (MPI®) is a comprehensive suite of software tools for simulating, analyzing, optimizing and validating plastics parts & mold designs.

Powerful and easy to use, MPI offers a state-of-the-art solution that can be used to simulate nine unique molding processes, and is currently used by top manufacturers in the automotive, medical, consumer, electronics and packaging industries.

The Benefits of Predictive Analysis

To avoid high costs and time delays when problems are discovered during manufacturing, we must uncover the effect of material, part geometry, mold design and processing conditions on the manufacturability of a part. Using predictive analysis tools to simulate the injection molding process, MPI users can evaluate and optimize interactions among these variables before production begins, minimizing time and expense.

With MPI, you can simulate the filling, packing and cooling phases of thermoplastics molding processes using materials with or without fillers and fiber reinforcements, as well as predict post-molding phenomena such as part warpage. You can also simulate material flow and cure of reactive molding processes.

MPI also offers a material database (the world's largest) of more than 7,800 thermoplastic and thermoset materials, all characterized for use in plastics CAE analysis, in addition to detailed information on coolants, mold materials, and analysis capabilities of leading brands and models of molding machines.

MPI is widely acclaimed for its speed and accuracy and addresses the broadest range of design geometry types and manufacturing issues associated with plastics molding processes.