

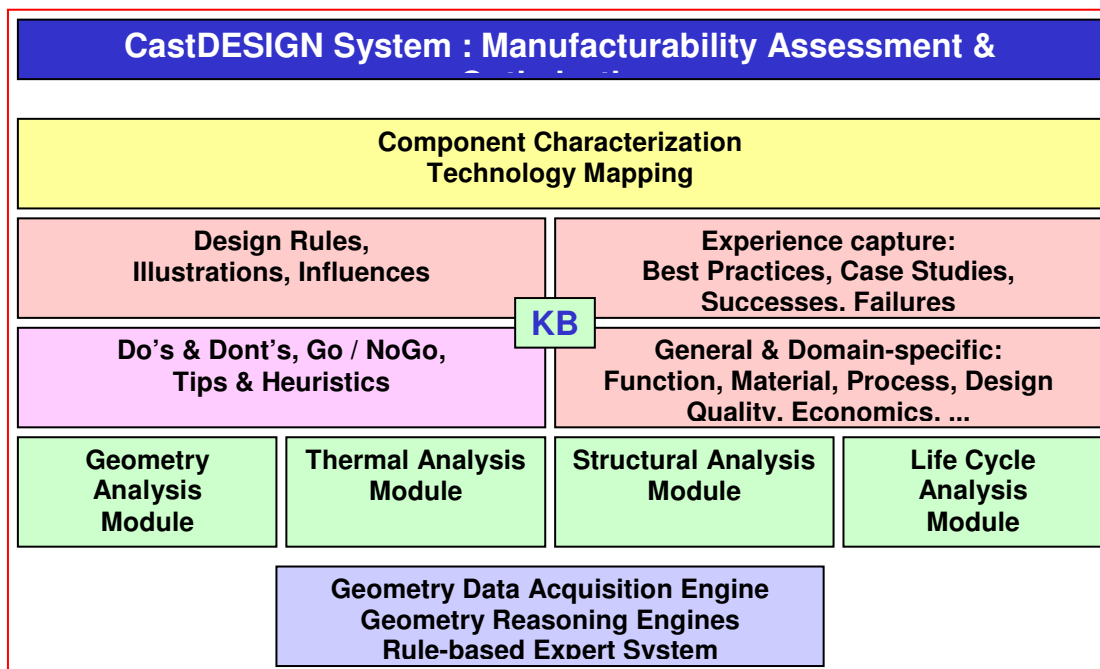
CastDESIGN-A DFM System for Assessing and Improving Component Design

CastDESIGN, is a computer aided design (CAD) software tool. Its intent is to empower mechanical component designers to perform design-for-manufacturing (DFM) analysis before submitting a design to manufacturers downstream. Its purpose is to drive consideration of manufacturability issues into the design process where it belongs rather than incurring the material and time costs related to design iterations due to DFM errors.

Salient Features:

CastDESIGN's consists of several underlying analysis modules, which perform:

- Thermal Analysis
- Structural Analysis
- Geometric Analysis
- Manufacturability Assessment
- Life Cycle Analysis



CastDESIGN Architecture

Major Applications:

1. CastDESIGN aims to find the opportunities for product simplification and assembly time reduction when the product is designed.
2. Alleviate the headaches and cost associated with the traditional "toss it over the wall" design approach.
3. It is estimated that a 40% time-to-market advantage can be achieved by considering manufacturability during the product architecture phase.

Major End Users

- Heavy Equipment Manufacturers
- Machine & Machine Tool Manufacturers