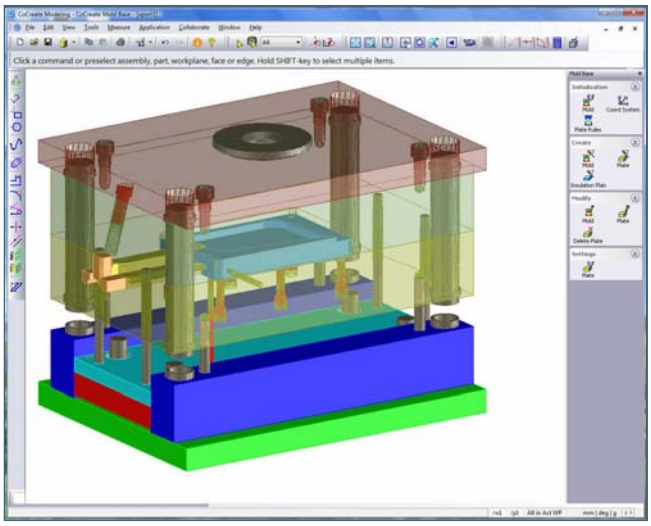
CoCreate® Mold Base

Automate repetitive tasks when designing plastic injection molds

CoCreate Mold Base provides mold designers with powerful, intelligent capabilities within CoCreate Modeling.

CoCreate Mold Base, with its highly interactive and intelligent tooling, reduces the repetitive tasks prevalent in designing plastic injection molds. Based on R&B® Mold & Die Design Solutions, mold designers have access to leading-edge CAMD (Computer-Aided Mold Design) solutions allowing them to generate complete 3D CAD mold tool designs.



CoCreate Mold Base is a flexible add-on module for CoCreate Modeling

Key Benefits

- Provides automated step-by-step design processes to create plastic injection molds
- Helps navigate through hundreds of standards components with help from a visual component browser. For specific components, CoCreate Mold Base provides design advice when it checks the validity of its parameters against the geometry of the mold base assembly
- Automates many tasks of the mold designs process including identifying the ideal size of the mold base, component selection and placement, building the cooling system, collision checks and more
- Ensures design for manufacturability. CoCreate Mold Base checks for part interferences and detects potential tooling issues, such as thin-walls, within mold base assemblies
- Standardize molds with hundreds of time-saving standard components from the 14 integrated component catalogs

Features and Specifications

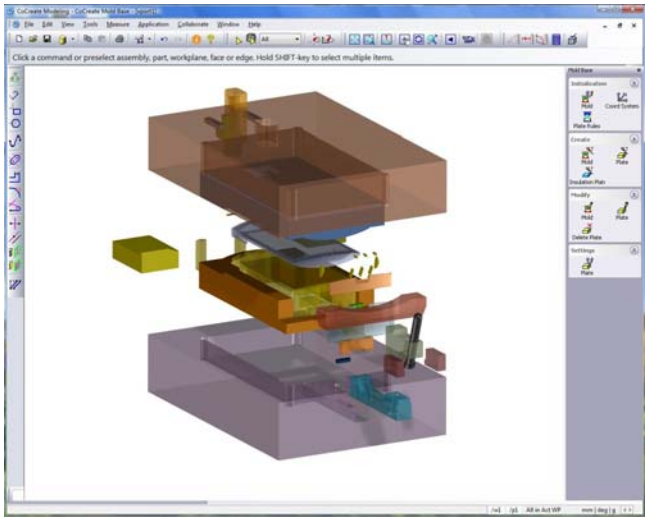
Faster Mold Base Assembly Design
- Simplifies your design with highly automated capabilities i
- Provides standard commercial catalogs
- Identifies ideal size of mold base by analyzing size of core and cavity
- Interactively previews and provides intelligent guidance for selecting components
- Automatically places components according to catalog definition

Cooling System Definition
Build a 3D cooling system based on
- Cooling lines
- Cooling components
- Connection conditions

Modification Features
- Move and modify plates and components
- Update components after plate changes semi-automatically
- Change the initial mold base specification

Complete Set of Tools for All Your Mold Base Work
- Collision checks:
  - Thin wall detection
  - Display of components and overlap
- Multi insert molds - multiple core and cavity inserts
- Non-standard mold bases - overwrite regular parameters of a standard mold base or use any CoCreate Modeling model
- Bill of materials - for manufacturing and purchasing of the mold base
- CAM interface - transfer to CAM systems through the Open CAM interface (included in CoCreate Modeling)

Component Catalog
- Ejectors, guide pins, cooling, etc.
- Graphical preview while defining the right parameters
- Flexibility so you can add company-specific components
- 14 commercial catalogs including:
  - D-M-E - English and metric
  - HASCO - English and metric



Developed so designers can easily and quickly create mold base assemblies for injection molding

  - NATIONAL
  - RABOURDIN
  - FUTABA
  - EOC
  - STRACK
  - PEDROTTI
  - SIDECO
  - PCS
  - MEUSBERGER
  - MISUMI

Prerequisites
CoCreate Modeling

System Requirements
CoCreate Mold Base 2008 supported operating systems:
- Windows Vista™ 32-bit and 64-bit Editions of Ultimate, Enterprise, and Business
- Windows® XP™ Professional 32-bit and 64-bit Editions

For more information, visit **www.ptc.com/products/cocreate**