# NOVA
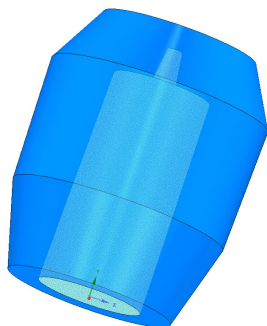# METHOD
## SIMPLIFY YOUR METHODING

NOVACAST

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**With NovaMethod you are able to easily create and edit your 3D model before simulating the casting detail. NovaMethod works perfectly as a preprocessor to our simulation software, NovaFlow&Solid, but can also be used independently. NovaMethod is especially designed to meet the requirements you have on your preparation tools in your foundry.**

Whether it involves simply removing holes, creating new concepts from scratch or optimizing existing models, NovaMethod removes a common bottleneck and allows foundry men or women to focus on developing the casting. By putting simulation users in control of geometry, CAE can drive product development to optimize models before CAD and validate results post-CAD. NovaMethod is an optional module to NovaFlow&Solid as a part of efficient casting development tools.

NovaMethod's 3D modeling technology changes the way you think about working with 3D models because it lets you focus on your design without the complexity of traditional systems. For example, you can re-use data without planning and remix geometry from other designs, even those created in CAD systems. You can take a design where it needs to go, regardless of how it was built or in which system it was created.

CORE

Create new concepts and share them with others before entering the detailed design phase: together, you get the concepts right and avoid expensive last-minute design changes. From a blank slate, start drawing 3D shapes as easily and freely as you would on the back of a napkin. Defeature and simplify parts for analysis or manufacturing and optimize the design without being constrained.

**Benefits of using NovaMethod:**
 • Open CAD models from systems such as Pro/ENGINEER, CATIA, SolidWorks, Creo 3.0 and NX etc.
• Repair poor quality geometry created by old CAD systems and surface modelers
• Optimize CAD models for input into NovaFlow&Solid either in STL or STEP format
• Remove machined details (holes, rounds, chamfers, etc.) without needing to understand the original CAD models or history
• Quickly make geometry modifications
• Perform geometry fixing as stitch faces, remove gaps and check and correct missing surfaces for solid modeling. Comprehensive STL fixing tool for simulation, 3d scanning or 3d printing.
 • Make fast re-runs of a simulation and change the design without contacting other resources or resorting to traditional CAD

**Benefits of using NovaMethod Foundry Tools:**
• Create cores in a very simple and quick way
• Check draft angles on the pattern
• Edit or remove ingates and/or feeders on created models that are "dead" like STEP format
• Import 3D solids easily from a library of standard feeders, gating systems, filters and user-defined geometries
• Access useful functions from NovaCast's methoding system FoundryTech
• NovaFlow&Solid will be compatible with almost all formats on the market
• You will get a geometry preparation tool designed to solve typical simulation related problems and interact with NovaFlow&Solid