

TECHNICAL SPECIFICATION

NovaMethod & add-ons NovaFeeding/NovaGating

Main functions	NovaMethod
Direct face modelling (can change imported "dead" 3D models)	X
Import formats: STEP, ACIS, Parasolid, Creo...	X
Export formats: STL, STEP, ACIS, Parasolid, Creo....	X
Extrude (Pull)	X
Revolve (a sketch around an axis)	X
Blend (in between circular and quadratic)	X
Chamfer	X
Radius	X
Repair tools (Fix STL and STEP files for simulation)	X
Check contact in between surfaces (similar function as NovaFlow&Solid)	X
Move function – powerful tool for 3D changes	X
Distance measuring	X
Weight/Volume calculation	X
Resize the 3D model – add pattern makers allowance	X
Core maker – very powerful tool create cores	X
Parting line (for non-complex parting lines)	X
Mold maker	X
Draft angles (changing imported 3D models)	X
Defeature	X
Toolbox (for sleeves, filters...)	X

Optional modules	NovaMethod	NovaGating/ NovaFeeding
STL Prep	Optional	Optional
Catia v5 import/export	Optional	Optional
DX1/DX2	Optional	X

TECHNICAL SPECIFICATION

NovaMethod & add-ons NovaFeeding/NovaGating

Add-on module (not standalone)	NovaGating
Calculations based on Foundry Technology program	X
Calculates the gating systems based on velocity	X
Tapered or reverse tapered downsprue	X
Pouring box or pouring cup design	X
Bevel main runners	X
Secondary runner position top/bottom	X
Ingates position top/bottom	X
Number of secondary runners	X
Number of ingates	X
Straight or Circular shaped runners	X
Intelligent layout editor (change any component)	X
Automatic 3D modelling of calculated gating system	X
Placement on casting for correct positioning	X
Alloy database with settings for gating systems	X
	NovaFeeding
Calculations based on Foundry Technology program	X
Calculates the feeding system including neck dimensions	X
Uses volume demand (feed metal requirement)	X
Uses modulus demand	X
Cylindrical feeders	X
Conical feeders	X
Feeder necks	X
Top or side feeders	X
Automatic 3D modelling of calculated feeders	X
Placement on casting for correct positioning	X
User defined ratios for feeder diameter, height and neck	X
Alloy database with settings for feeders	X