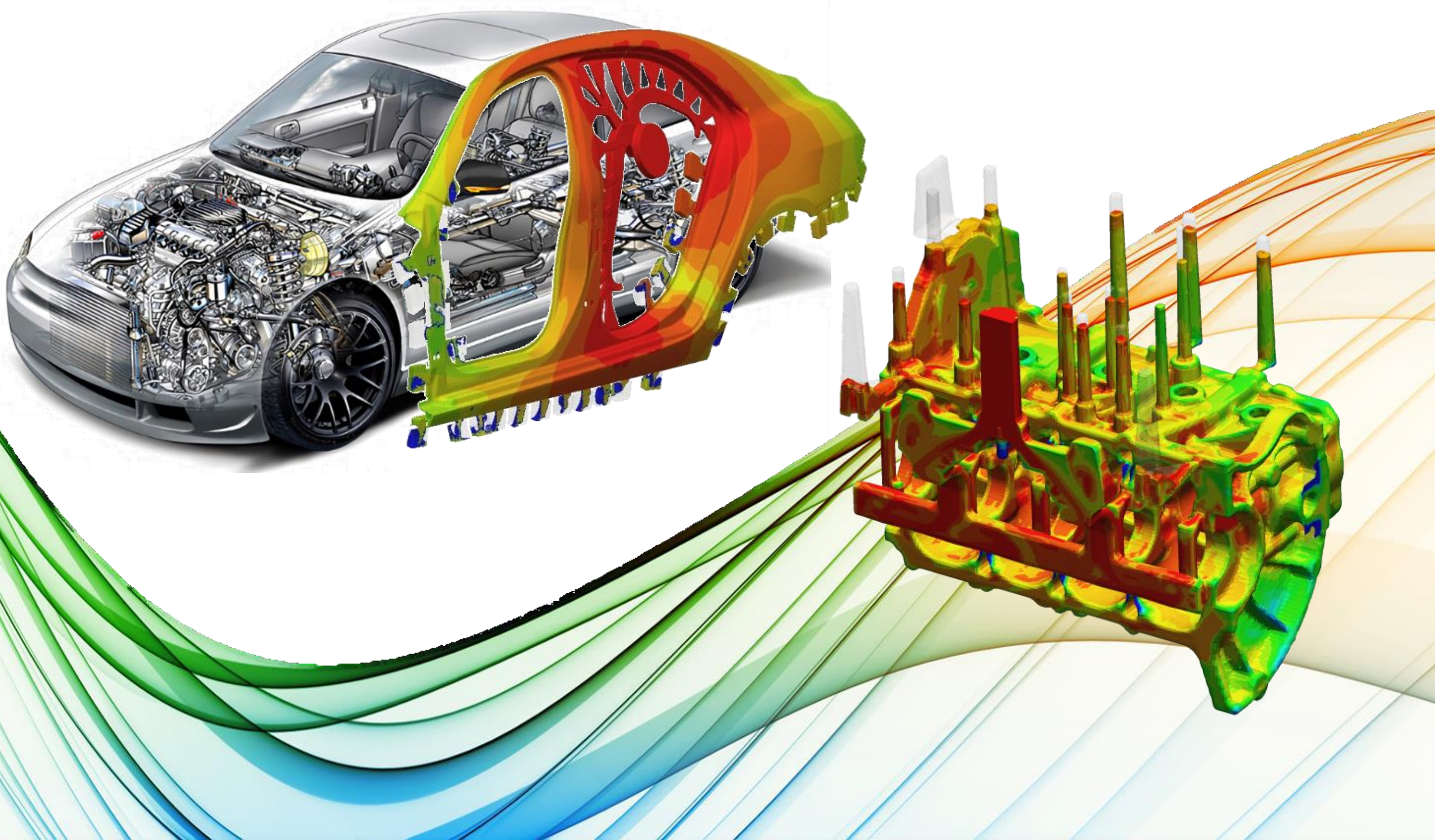


CAST-DESIGNER

END TO END SOLUTION FOR CASTING BUSINESS

ADVANCED CFD BASED CASTING SIMULATION SOFTWARE

- ▶ MATERIAL ▶ DFM ▶ QUOTATION ▶ GATING DESIGN
- ▶ THERMAL-FLOW & SOLIDIFICATION ▶ MICROSTRUCTURE
- ▶ STRESS-STRAIN & DISTORTION ▶ CASTING PRODUCTION
- ▶ CASTING PERFORMANCE ▶ DOE ▶ FULL CAD DRIVEN
PART-GATING-PROCESS-PRODUCTION OPTIMIZATION



▶ EASY ▶ FAST ▶ ACCURATE ▶ AFFORDABLE



S O F T W A R E

HELPING TO REFINE THE
COMPETITIVENESS OF CASTING INDUSTRY

MAJOR SOFTWARE PACKAGES AND MODULES

Item	CAST-DESIGNER Packages & Modules	Design package	CPI package	HPDC package	Gravity package
1	CAST-DESIGNER framework	Included	Included	Included	Included
2	Gating system design	Included	Optional	Included	Included
3	Free design of gating	Included	Optional	Included	Included
4	Standard thermal and flow solver	Optional	Included	Included	Included
5	Batch modeling & DOE optimization	Optional	Optional	Optional	Optional
6	Advanced CFD solver	Optional	Optional	Optional	Optional
7	Stress solver	Optional	Optional	Optional	Optional
8	Microstructure solver	Optional	Optional	Optional	Optional
9	Parallel calculation (CPU/Core)	Optional	Optional	Optional	Optional
10	Advanced mesh assembly	Optional	Optional	Optional	Optional
11	Optimization (GA/PSO)	Optional	Optional	Optional	Optional
12	GEO-DESIGNER for DFM analysis	Optional	Optional	Optional	Optional
13	SavingCAST for material furnace charging	Optional	Optional	Optional	Optional

- Fast design for manufacturing (DFM) capability
- Fast upfront design validation tools
- Built-in gating system design capability
- Expert system based gating design advisor
- Tools for online design validation
- Automatic gating optimization capability
- Design of experiments (DOE) capability
- Powerful and fast assembly meshing capability
- Advanced CFD flow analysis
- Automatic optimization capability
- Mechanical & thermal stress and deformation
- Automatic deformation compensation solver
- Core blowing and core gas analysis
- Casting performance simulation
- Open system and highly customizable

Software language: English, Japanese, Chinese, Korean

SYSTEM REQUIREMENTS

SUPPORTED PLATFORM

- Windows / X86-64
 - Windows 11/10 /8 /7
 - Windows Server 2008/2012/2016/2019
- Linux / X86-64 (CentOS 7/8, RHEL 7/8, SUSE 15)

HARDWARE RECOMMENDATION

- CPU: Intel Core i7 process (minimum)
- CPU: Intel Xeon E5 processor (recommended)
- RAM: 8GB (minimum), 16 to 32 GB (recommended)

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