ESI Group

Gold Software Partner

Contact : Etienne DE POMMERY
+33 (0)1 41 73 58 00
edp@esi-group.com

Realistic and predictive virtual forming simulations of metallic and composite materials

CATIA AC3 or HD2

Coreq	Prereq
	GPS
	KE1
	KWE

PAM-TFA for CATIA V5

Transparent Formability Analysis (TFA)

- Formability check
- Design optimization taking into account formability constraints

CATIA HD2

Coreq	Prereq
	GPS
	–

PAM-DIEMAKER for CATIA V5

Rapid die design and optimization

- Direct creation of the first draft of a die addendum within minutes
- Seamless integration of parametric tool geometry

CATIA CD3 or HD2

Coreq	Prereq
	CPE* or CPM*
	–

PAM-QUIKFORM for CATIA V5

Feasibility assessment for composite parts

- Prediction of the deformation of composite parts reinforcement
- Calculation of flat patterns

CATIA ME2

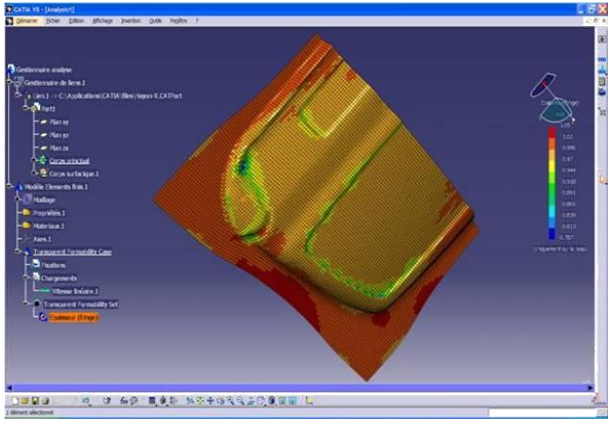
Coreq	Prereq
	CPE
	EST*
	MTD
	FMS
	FMD

PAM-RTM for CATIA V5

Resin Transfer Molding (RTM)

- Simulation of resin injection/infusion through fibrous reinforcements
- Development of new tooling and processes for composite materials

(*) only for HD2



Targets

- *Aerospace and Automotive fiber reinforced components, Shipbuilding, Wind Energy, Defense, Tool Manufacturing*

Customer Benefits

- *Identify manufacturability issues earlier in the design*
- *Faster time to market and reduced design cycle*
- *Cost estimation*
- *Supply flat pattern to nesting/cutting machines*

IClick here for Industry Legend)