

# Automating the entire Meshing Process for Simulation

Meshing plays a vital part of the engineering simulation process but it is time consuming and its quality influences the accuracy, convergence and speed of the simulation.

#### Our CAE Automation software can

- ✓ Save time and costs Vehicle body 1wk⇒ 10 hours / Resin parts 3wks⇒ 10 hours
- Automate the entire process (after CAD to the final report)
- Provide consistent, accurate and reliable output

### **Our CAE automation software**

#### **FORTUNA**

For Bodywork and Engine

### **LATONA**

For Car interior resin products

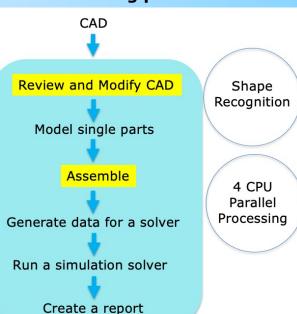
No change needed for your existing system.

Install into your system or use as SaaS.

### Automating the entire meshing process







#### **Our customers**















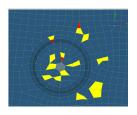




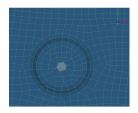


# **Key Features**

# **Automatically Review & Modify CAD**







Our own purpose-built algorithm

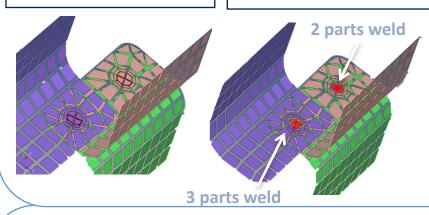
No CAD errors

⇒ avoid simulation errors

### **Automatic assembling (Spot Welding)**

Spot welding auto-assembly by hexa-mesh

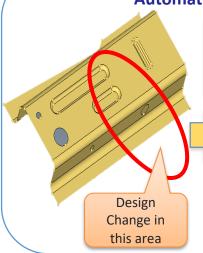
Spot welding auto-assembly by rigid bar



Automatically generate mesh for spot welding and bolt joints

Automatically generate flange mesh based on component thickness

# Automatic assembling (Adapting design change)



Mesh from the original CAD model

CAD model for the changed area

**FORTUNA** 

Combination of new mesh on the changed area and original mesh pattern on the unchanged area

When a part of the product design is changed,

#### **FORTUNA**

- 1. Identifies where the change is
- Generates a new mesh only for the changed area
- 3. Re-generates a mesh by combining the change

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