
Hot Forming Training

OEM



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3 Building Blocks

Overview

Engineering with Hands On

Advanced Applications

Overview

Covers the complete chain from part design to part production

Topology check, cleanup and repair

- Visual-CADClean
- 1h extra course

Material cost estimation and nesting

- Visual-Quoting
- 0.5 d extra course

Die face design with efficient interface to simulation

- Visual-Diemaker
- PAM-Diemaker for CATIA V5
- 2 d extra course

Simulation

- PAM-STAMP
- This course

Engineering with Hands On

Capabilities and important points to understand

Simulation

- How does it work – GUI, architecture, objects and attributes
- Import tool CAD and mesh
- Get tools and blank mesh right
- Material
- Friction
- Heat transfer
- Process set up - macros
- Manage simulation time – feasibility vs. validation
- Post-processing

Step by Step Training

Hot forming sample

- B-Pillar with open U-End
- Upper pad

Student gets instructions per milestone

A video is available per milestone

Student reproduces the content of the video in individual pace until self-sufficient

- Video is played with start / stop on another device

Advanced Parts and Processes

Cases

ESI-B-Pillar

A-pillar

Cross Member

Selected cases

Material

Press Hardened Steel

CCT and phase
transformation modelling

Satoh test



THANK YOU