

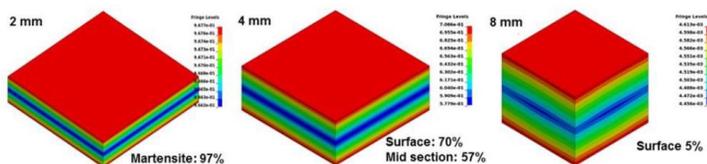
GESTAMP INNOVATION

WorthTruck Project

Project duration: 2 years

Starting project date: November 1st, 2017

WORTHTRUCK is a bilateral (Spain-Sweden) R&D project funded by the public entity *Centre for the Development of Industrial Technology (CDTI)* and also certified by the *EUREKA* programme "stamp of quality". The aim of WorthTruck is to optimize the crash performance of thick press hardened sheets through determining the optimum microstructure for crash resistance and establishing the forming parameters to efficiently manufacture industrial parts for the truck sector.



Difference in martensite content after the quenching process depending on the plate thickness.



TECHNICAL GOALS & PROJECT SCOPE

- Modelling of through thickness phase transformation in thick plates
- Generation of different microstructures in press hardening
- Mechanical characterization and evaluation of fracture toughness of the developed microstructures
- Tailored demonstrators with improved crash worthiness
- Transferability to thin parts and smaller passenger car components
- Lightweight solutions with the developed solutions



WORKING FOR A SAFER AND LIGHTER CAR

Gestamp