

## Motivation

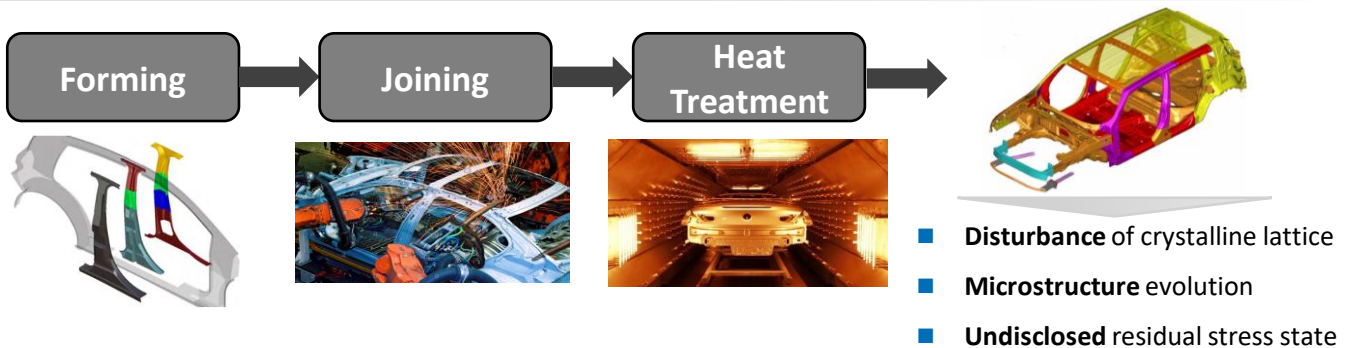
Advanced High-Strength Steels have gained increasing importance in the automotive industry as replacement materials over conventional steels for body-in-white manufacturing. Under the perspective of a broader use of these materials in the automotive and other industries in the near future, it is thus necessary to understand the role of individual manufacturing stages on their integrity.

## Objective

Investigate the influence of the welding parameters on the integrity of AHSS weld spots and to understand how significant is the effect of a processing chain on the integrity when compared to the “as-welded” condition

## Approach

Parametrization of RSW process involving Advanced High-Strength Steels.  
 Evaluation of the integrity evolution of the weld spots when a processing chain is considered.  
 Adjustment of the processing chain according to the weld spot requirements.



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