

THE BRADBURY GROUP



2022 SEAISI Conference & Exhibition

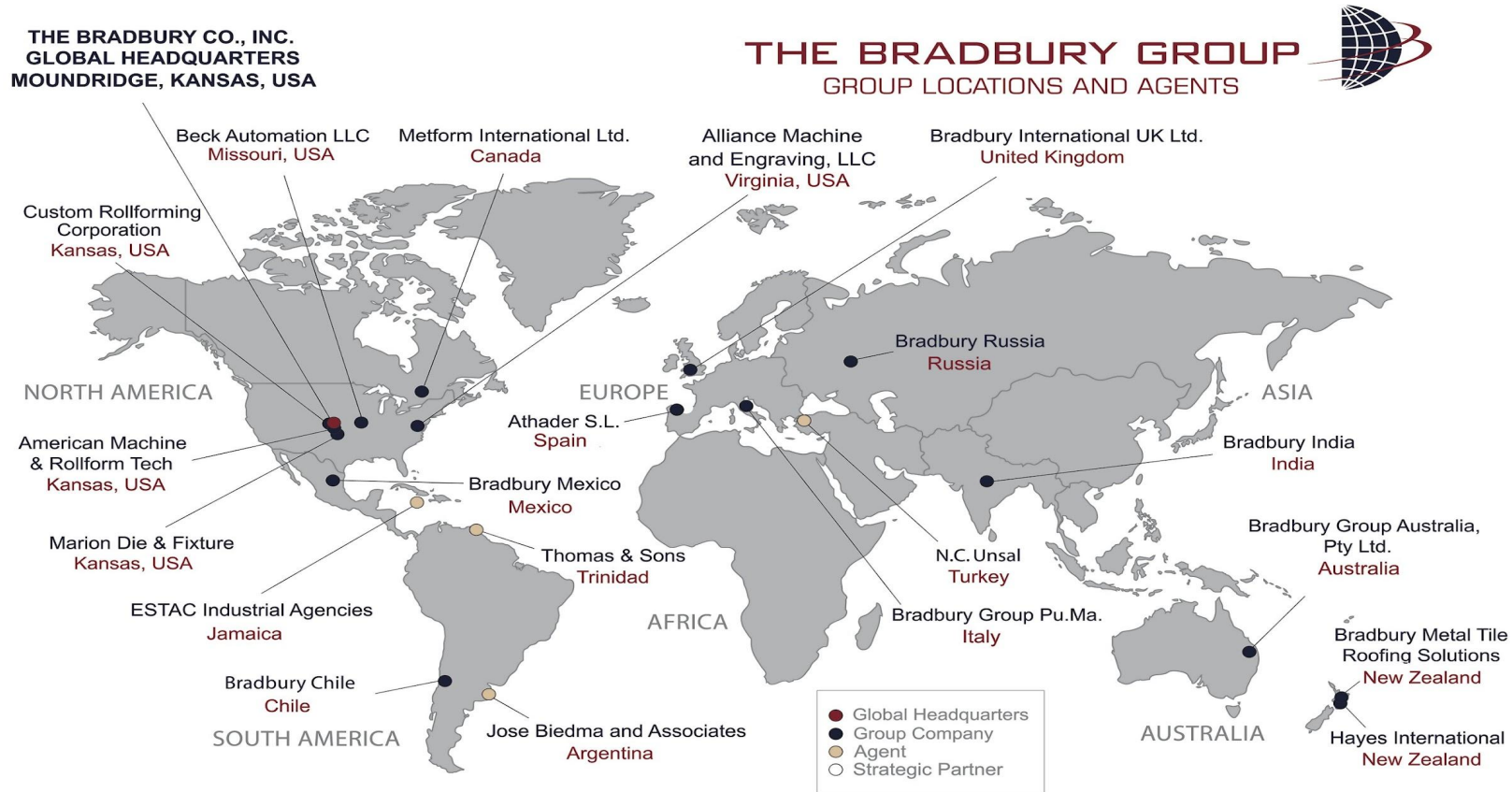
EFFECTIVE LEVELING OF 3RD GEN STEELS FOR AUTOMOTIVE USE

Introduction

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Effective Leveling 3rd Gen AHSS



2022
We have a presence on 5 continents in 17 countries; Operating 11 manufacturing facilities.



BRADBURY GROUP Headquarters



- 400 employees at the World Headquarters
- 1,850m² of Office Space
- 18,075m² of Manufacturing Space

THE BRADBURY GROUP

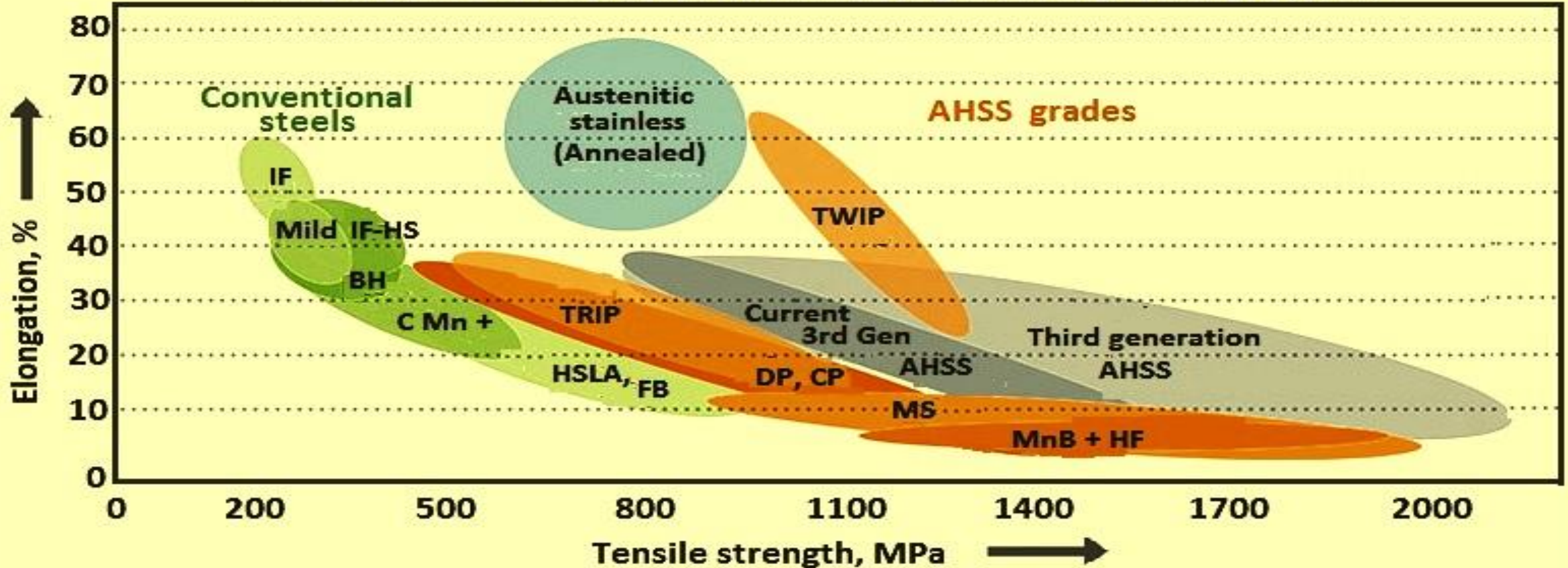


1200 E Cole St.
Moundridge, KS 67107 USA

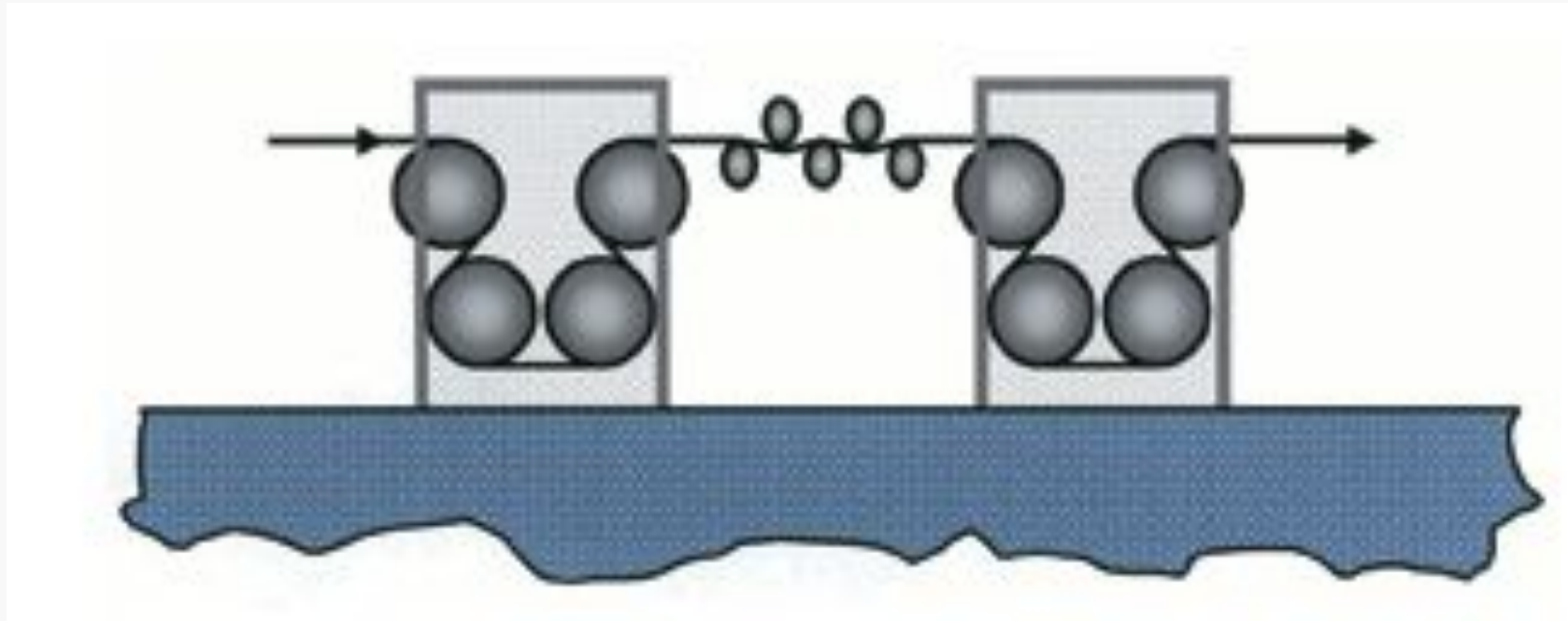
Effective Leveling 3rd Gen AHSS Steel

Steel strength ductility diagram for present day AHSS

Comparison of AHSS grades with low strength and high strength steels



Effective Leveling 3rd Gen AHSS Steel



Bridle Rolls

Work Rolls

Bridle Rolls

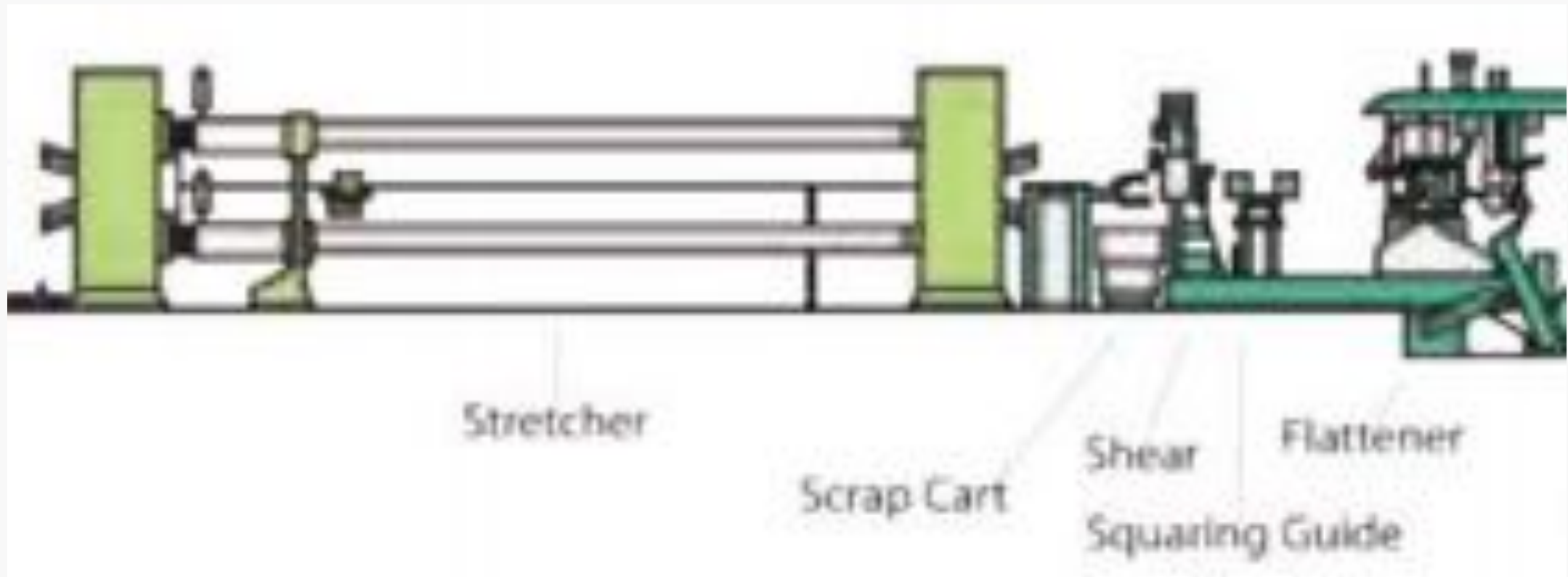
Simple illustration Tension Leveler

Effective Leveling 3rd Gen AHSS Steel

**Hydraulic Leveler - with
work roll cassette and
lift top**



Effective Leveling 3rd Gen AHSS Steel



Simple illustration Stretcher Leveler

Effective Leveling 3rd Gen AHSS Steel

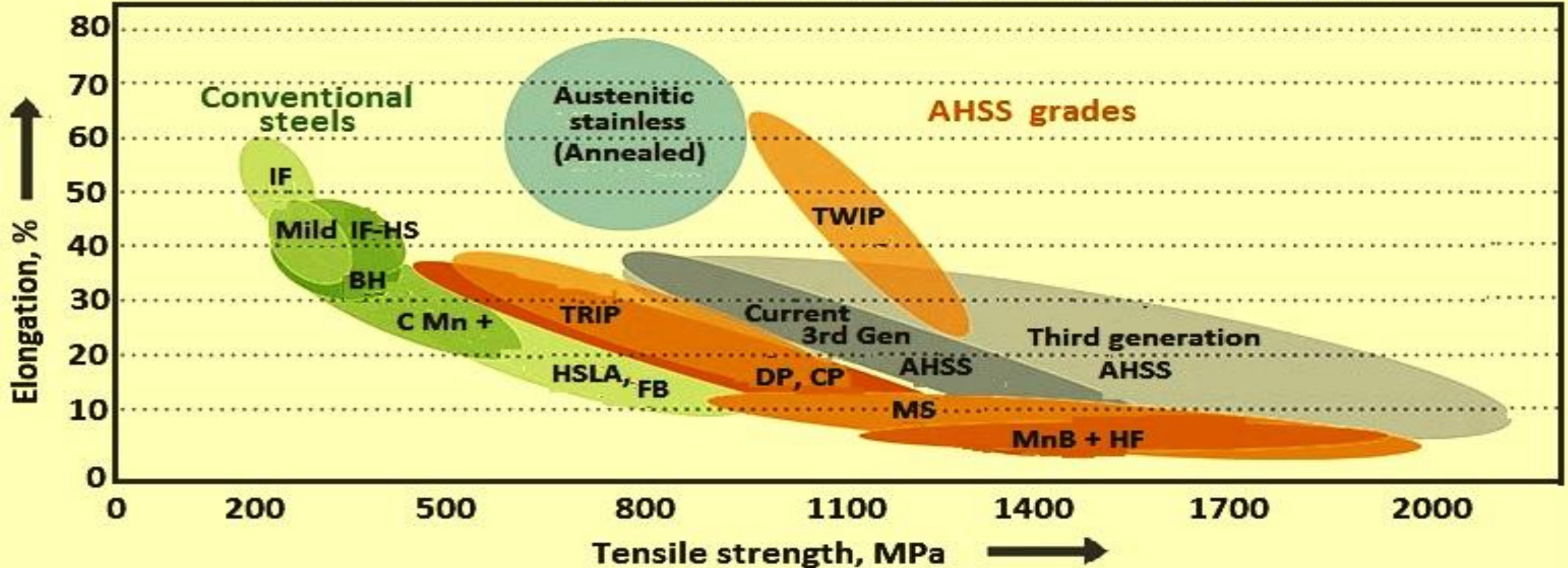
**Stretch
Leveler
in a CTL
Line with
Flying
Shear**



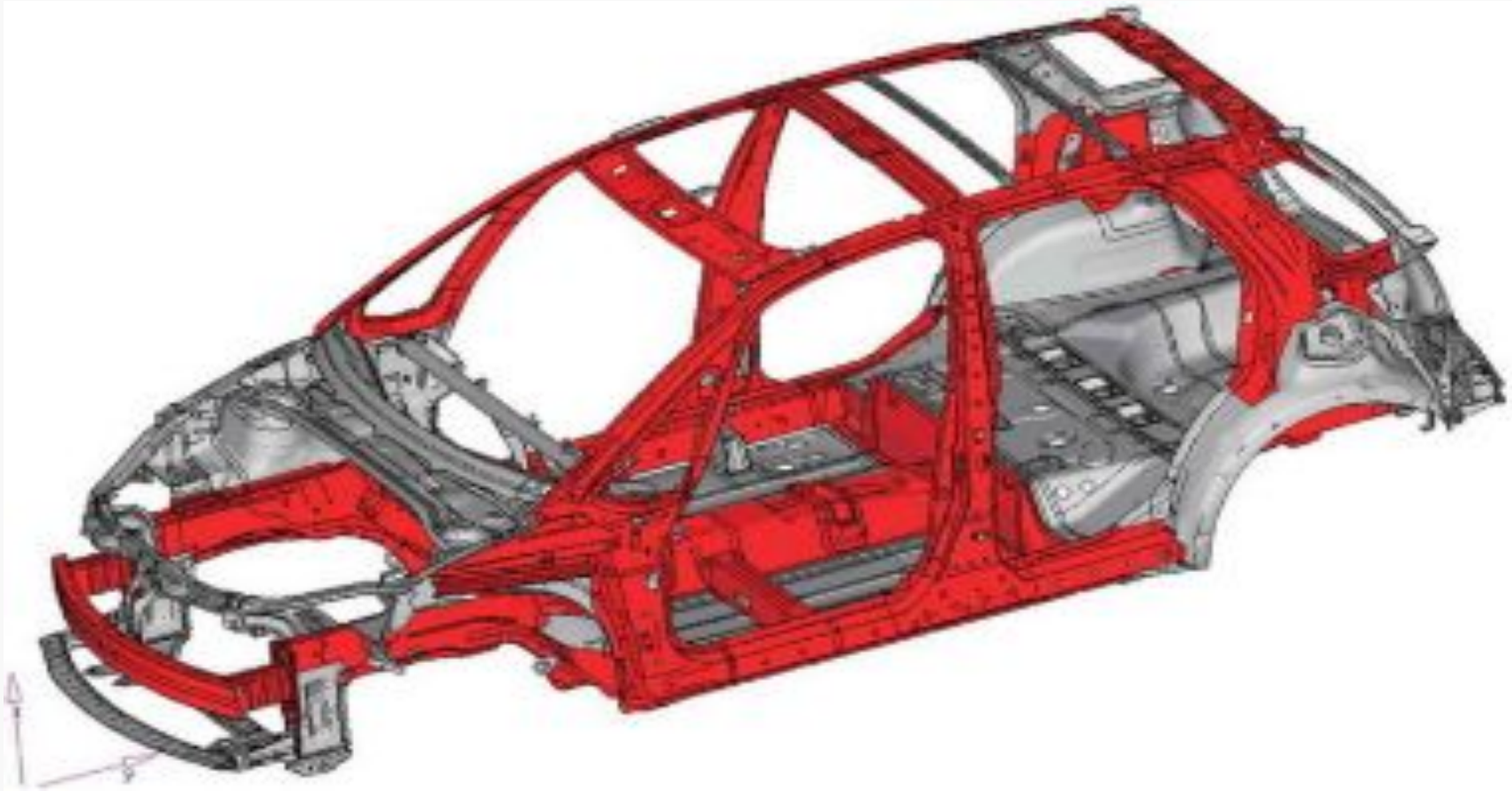
Effective Leveling 3rd Gen AHSS Steel

Steel strength ductility diagram for present day AHSS

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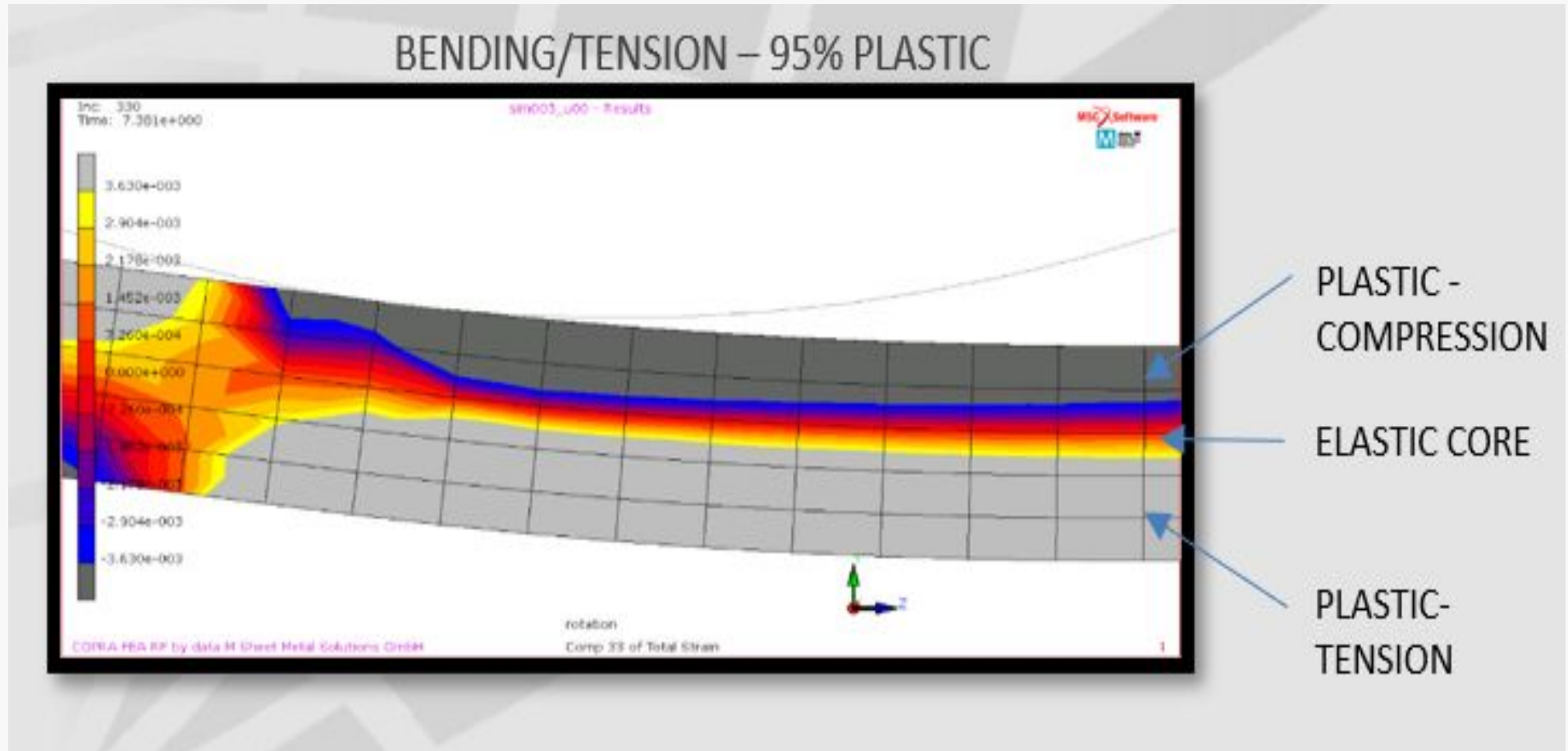


Effective Leveling 3rd Gen AHSS Steel



Example of areas using 3rd Gen AHSS

Effective Leveling 3rd Gen AHSS Steel



Roller Leveling Plasticity

Effective Leveling 3rd Gen AHSS Steel



Before Hydraulic Roller Leveling

Effective Leveling 3rd Gen AHSS Steel



Hydraulic Roller Leveling Challenges - UTS

Effective Leveling 3rd Gen AHSS Steel



After Hydraulic Roller Leveling

Effective Leveling 3rd Gen AHSS Steel

**After Hydraulic
Roller Leveling**



Effective Leveling 3rd Gen AHSS Steel

Thank you

Mr. Jim Sugars

The Bradbury Group