



STAMPACK

Xpress

Update Training Stampack Xpress 2026.1

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www.Stampack.com

STAMPACK GmbH

Highlights

Outlook to future

All enhancements in detail

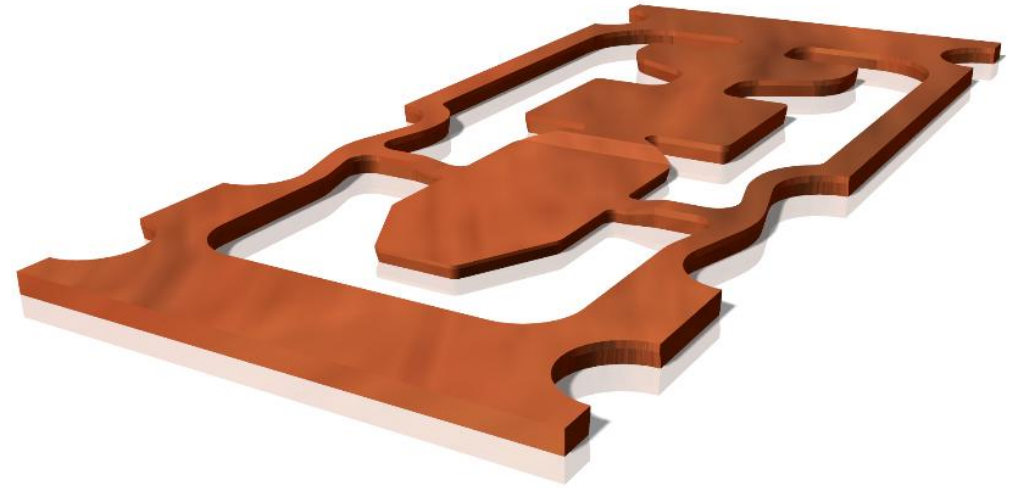
Hardware Recommendation

Q&A

Highlights

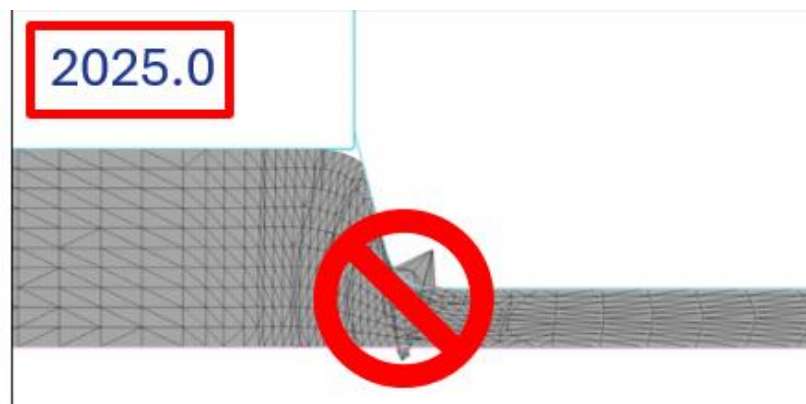
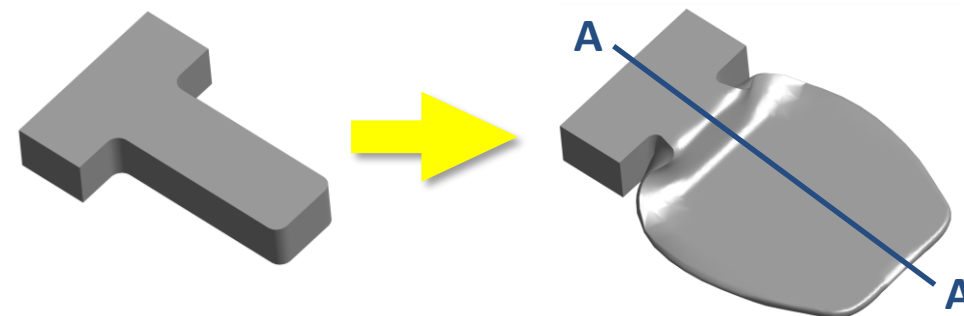


Bulk forming

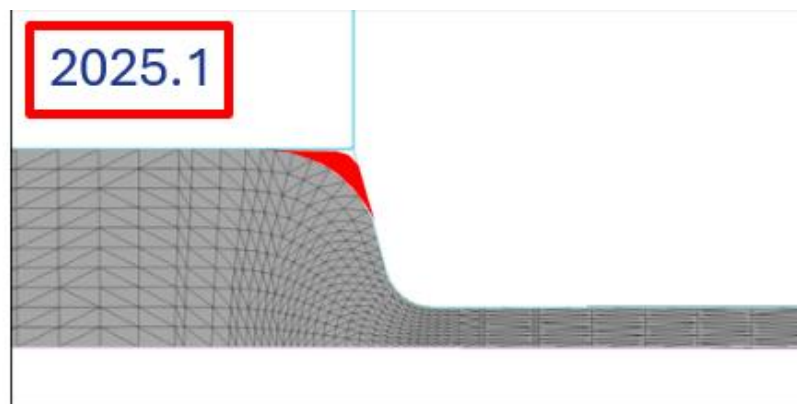


Bulk forming

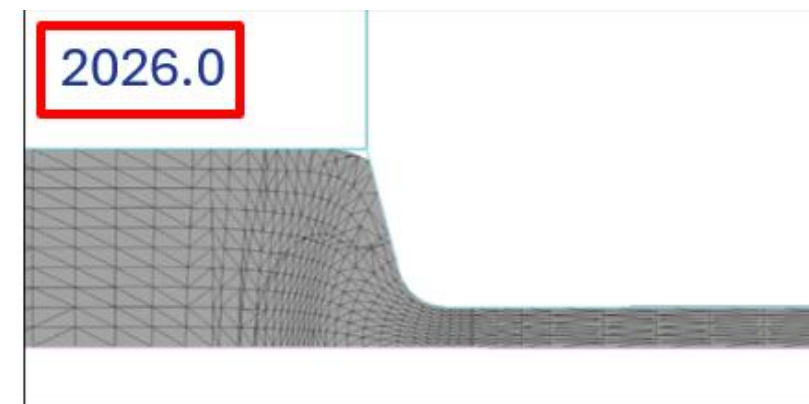
Improvement from 2025.0 to 2026.0



— Solver crash

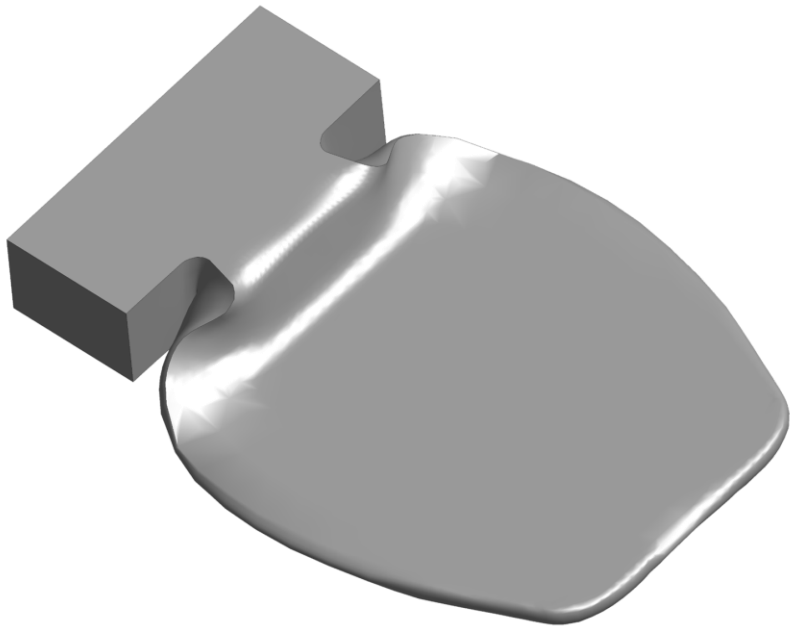


+ Computable
— Some volume loss



+ Computable
+ Robust volume

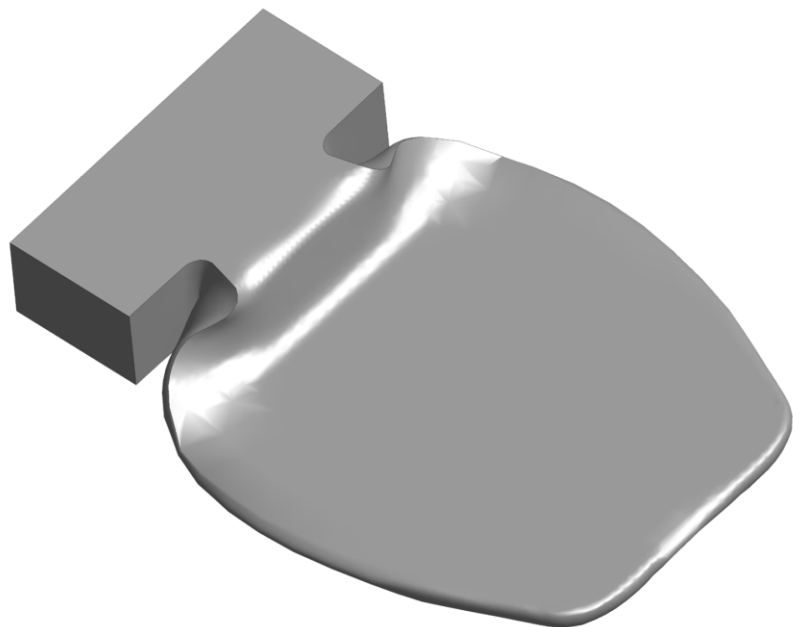




ONGOING DEVELOPMENT

Status 2026.0:

- ✓ Preserve sharp edges
- ✓ Avoid mesh degeneration for bulk forming
- ✗ Avoid solver crashes in extreme bulk forming > 75% reduction of initial thickness
- ✗ Avoid solver crashes in case of bad tool geometry meshes

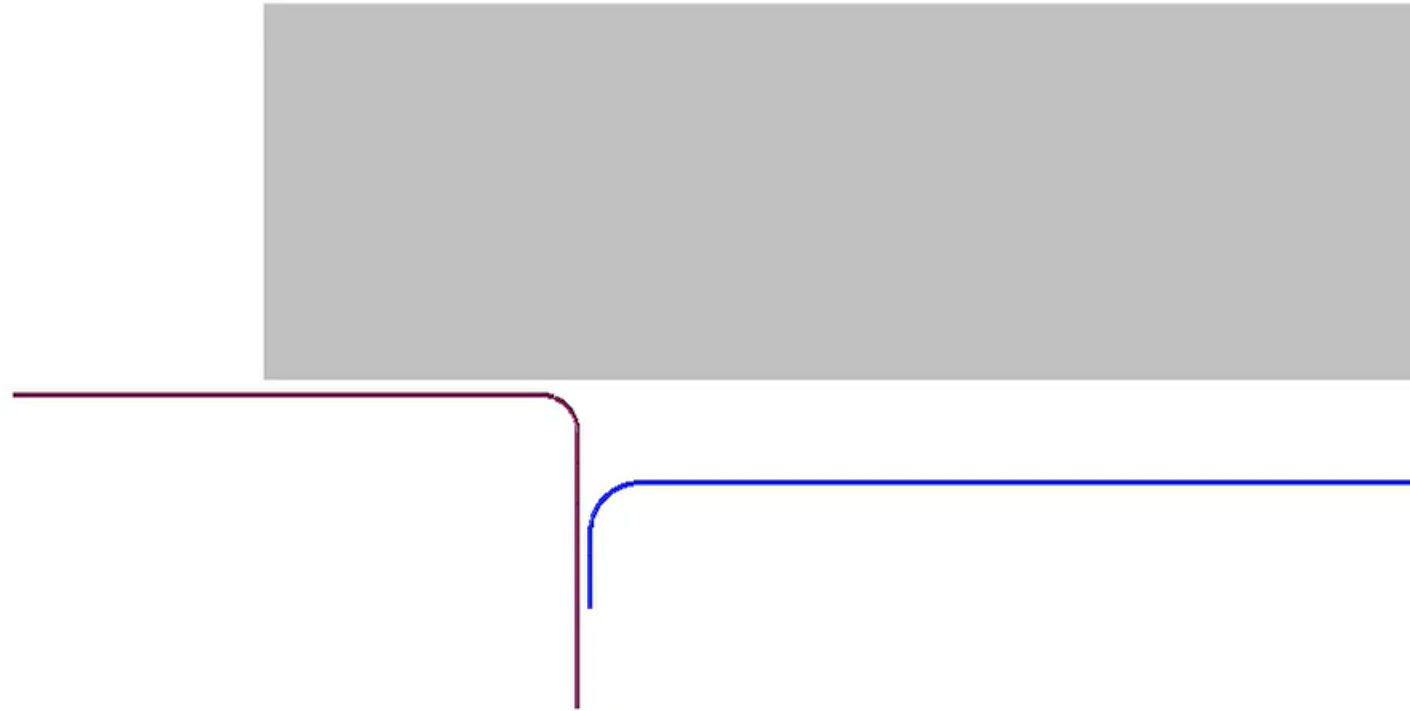


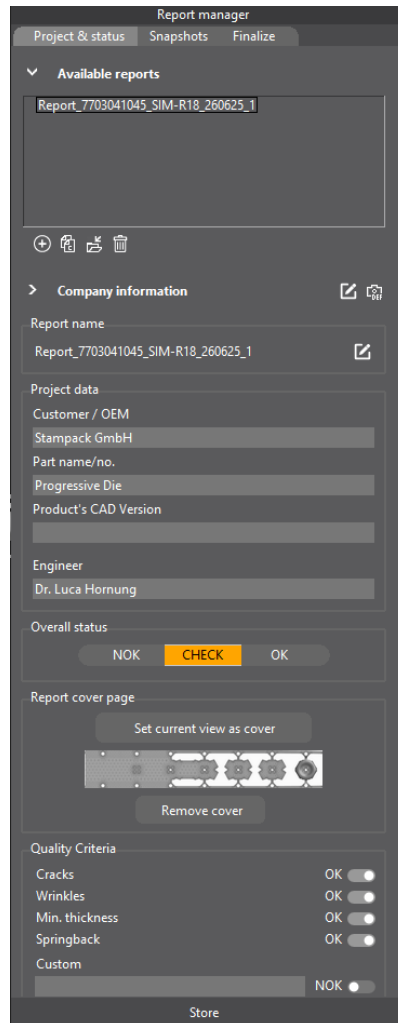
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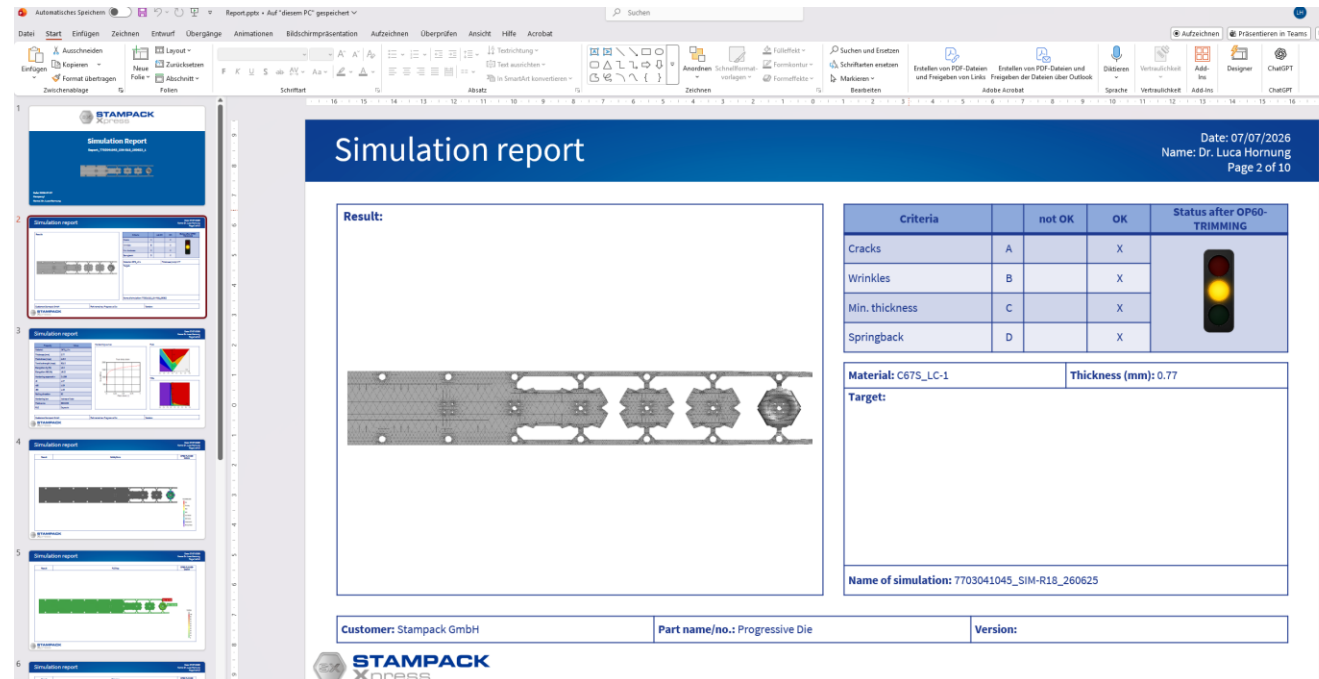
There is no coining limit!

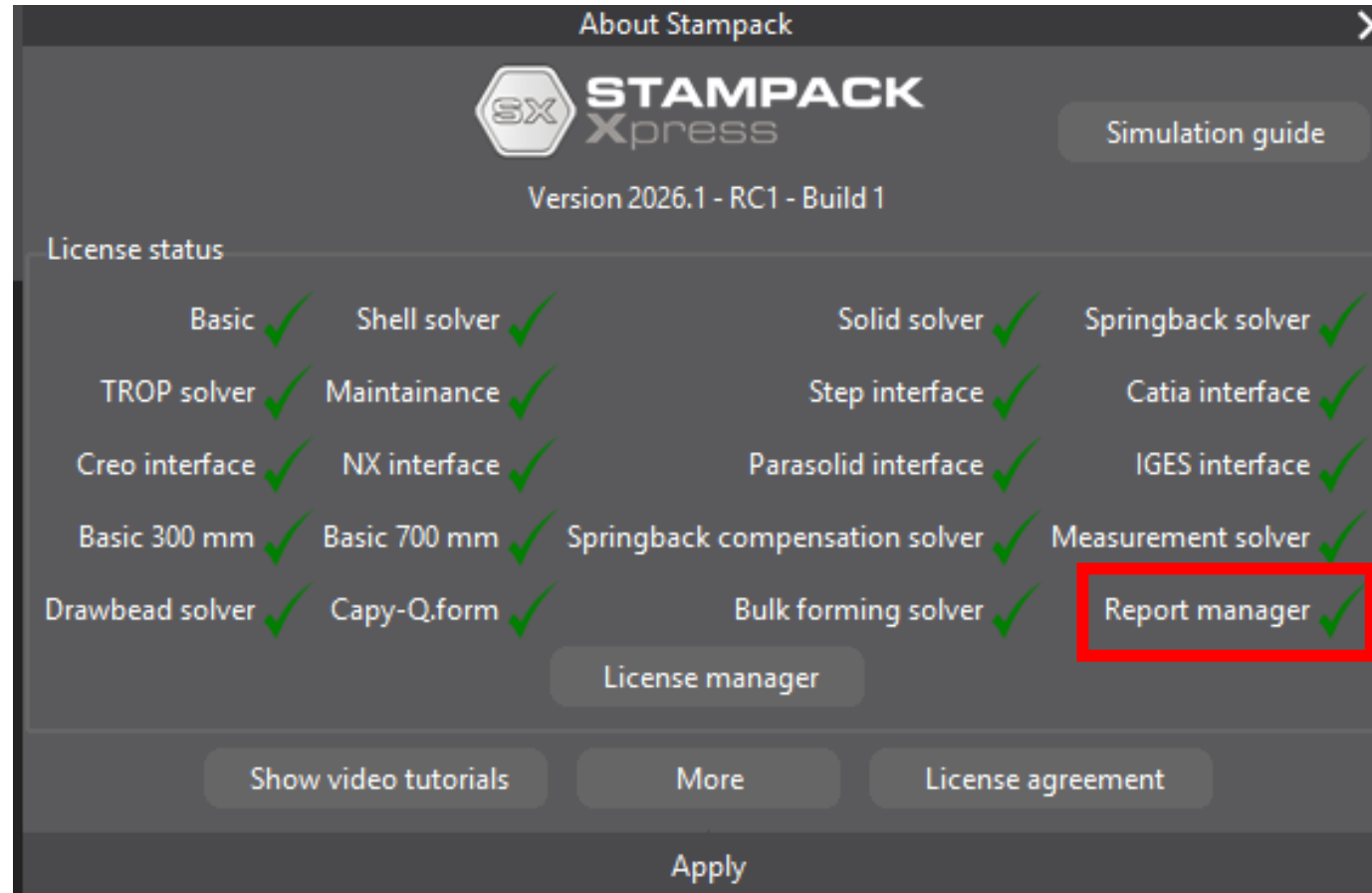




New module: Report forming

- A wizard to create a Powerpoint/PDF report in seconds
- The wizard collects material information, snapshots, force graphs and general data





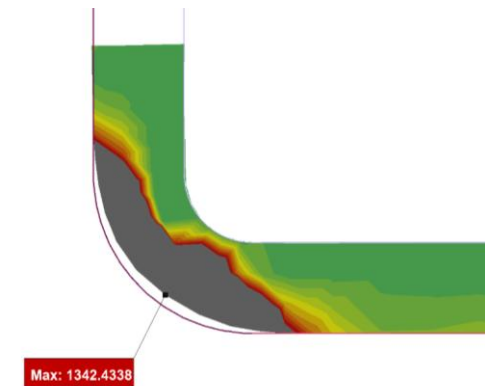
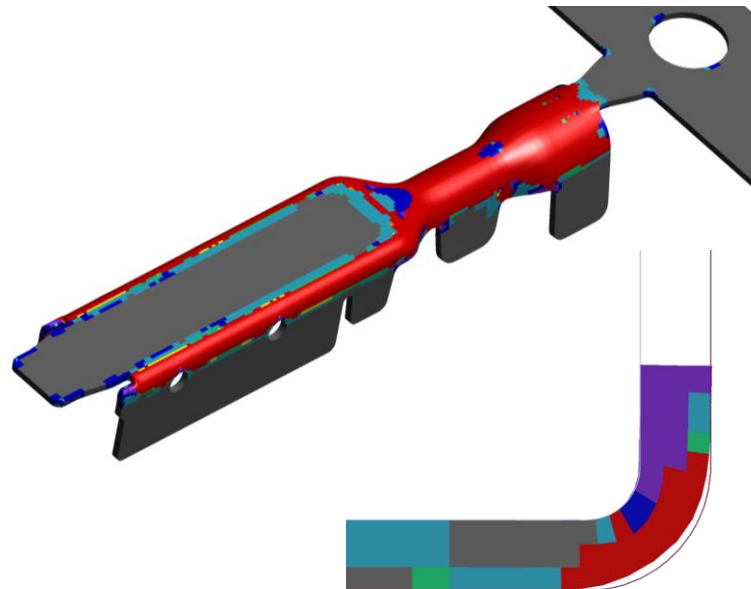
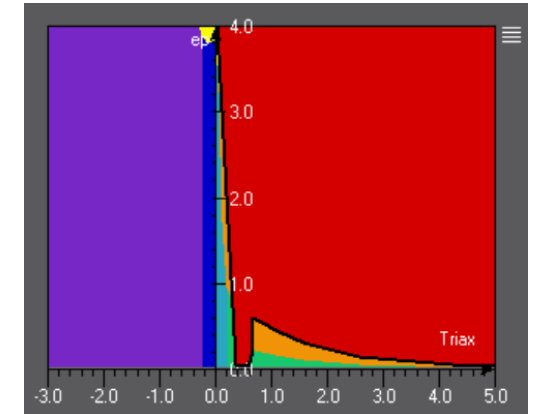
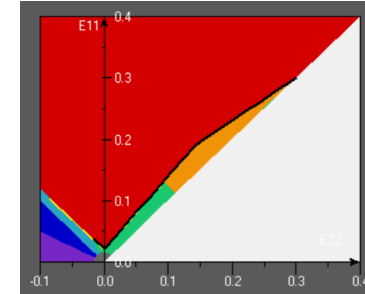
New module: Report manager

→ Free of charge for every Stampack customer until 31.12.2027

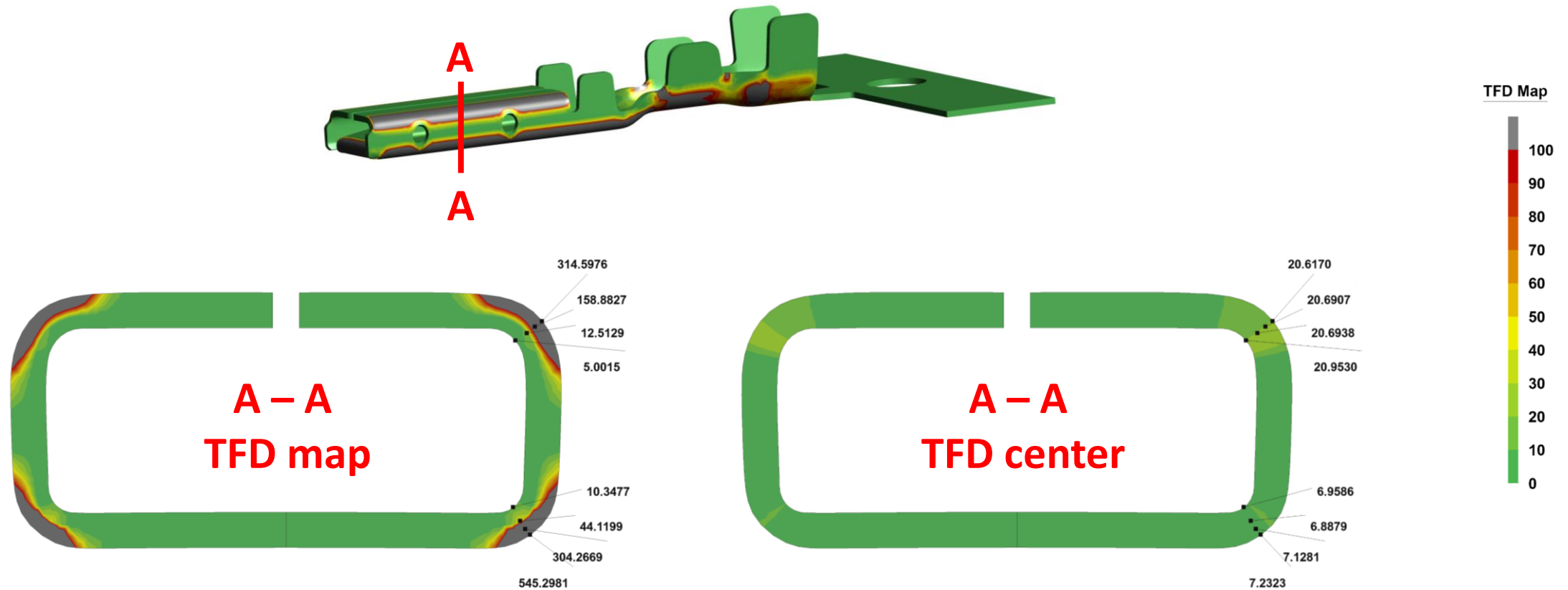
Current limitation

- TFD evaluation/generation is not sufficiently robust for very low total elongations.
- This can lead to misinterpretation of the results.

Yield stress [MPa]	550.0	
Tensile Strength Rm [MPa]	580.0	
Uniform elongation Ag [%]	2.4	Approximate from A80
Total elongation A80 [%]	3.0	Approximate from Ag
☒ Automatic hardening curve creation		



Solid - TFD map center





The graphic features a blue background with a white grid pattern. At the top left is a silver hexagonal logo with 'SX' inside. To its right, the text 'STAMPACK' is in large, bold, blue capital letters, and 'Xpress' is in a smaller, grey, lowercase font. Below this, 'NEW VERSION 2026.1' is written in blue capital letters. Below the main title, several white rectangular boxes with blue text list features: 'Report Manager', 'New result variable TFD in the mid-surface', 'Improved bulk forming and coining', 'Extended self-contact', 'Laser trimming and symmetry', and 'A total of 22 improvements'.

STAMPACK
Xpress
NEW VERSION 2026.1

Report Manager

New result variable TFD in the mid-surface

Improved bulk forming and coining

Extended self-contact

Laser trimming and symmetry

A total of 22 improvements

- All in all, 22 improvements
- 164 tickets resolved
- Overcome severe technical limitations
- The most productive 4 months ever since 2020.0 !

**Thank you for your
attention**



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Q&A

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