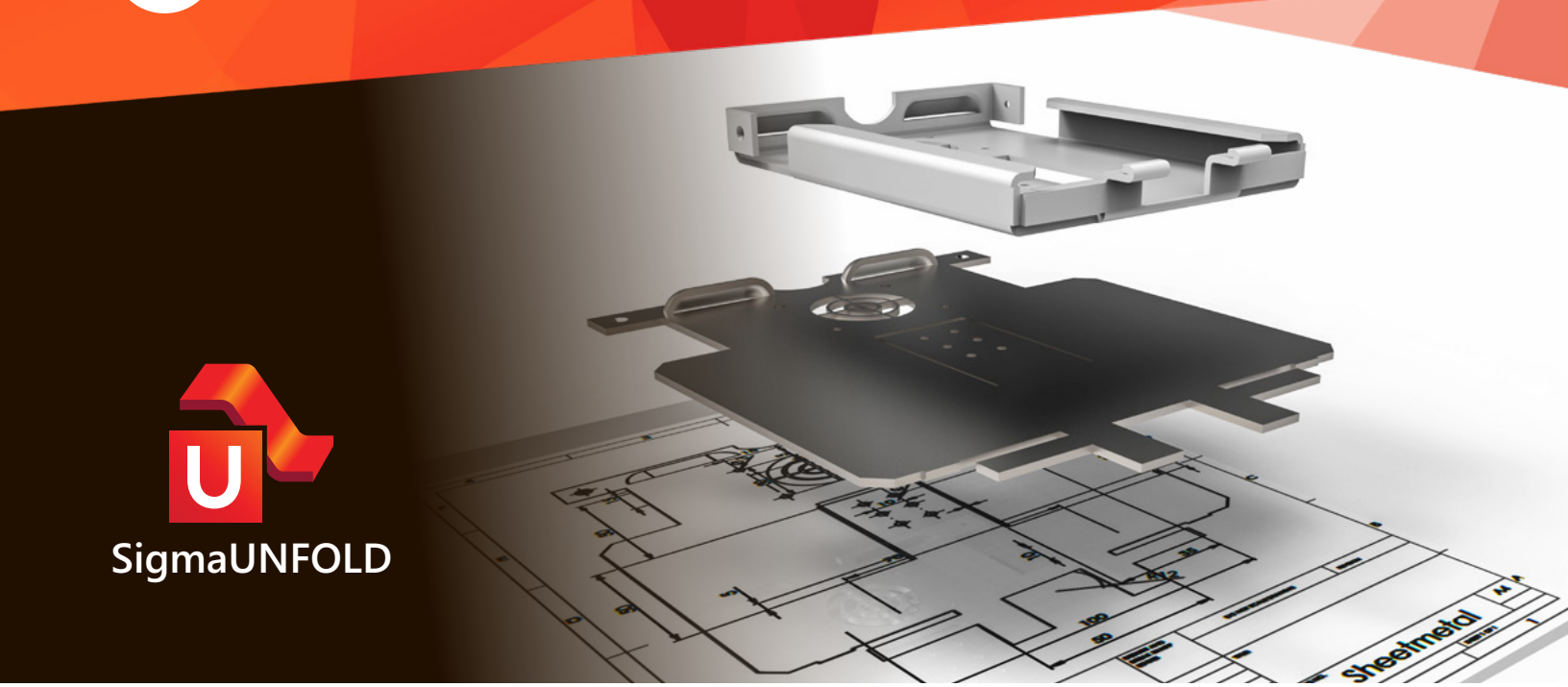
SIGMANEST



SigmaUNFOLD

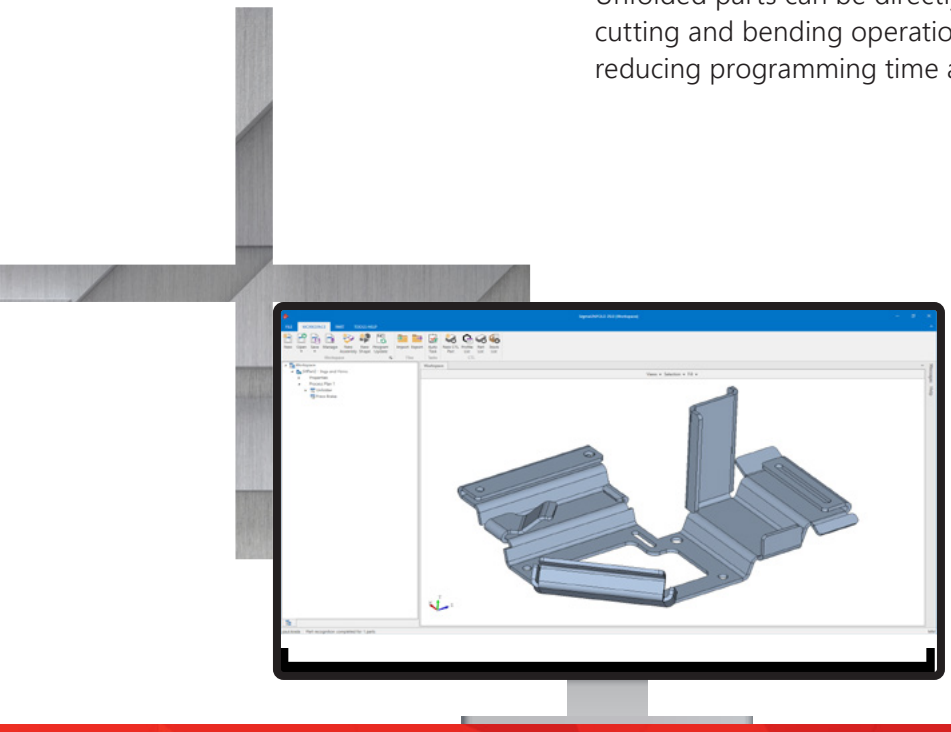
Industry-Leading Unfolding Technology Working for You

Real-World, K-Factor Calculation

SigmaUNFOLD empowers you to recognize sheet metal bend features in a 3D body and flatten the part using accurate K-factor based calculations, which ensures a realistic, real-world representation of the part in software. Assemblies and parts can be processed individually or simultaneously allowing for complete workflow management.

Flexible Integration

Unfolded parts can be directly manipulated in the same interface for cutting and bending operations without need to export and re-import, reducing programming time and improving accuracy.



- Easily handle parts with 3D features
- Unfold closed shapes with automatic detection and slit cut placement
- Rule-based K-factor, bend allowance and bend deduction values

Comprehensive Unfolding

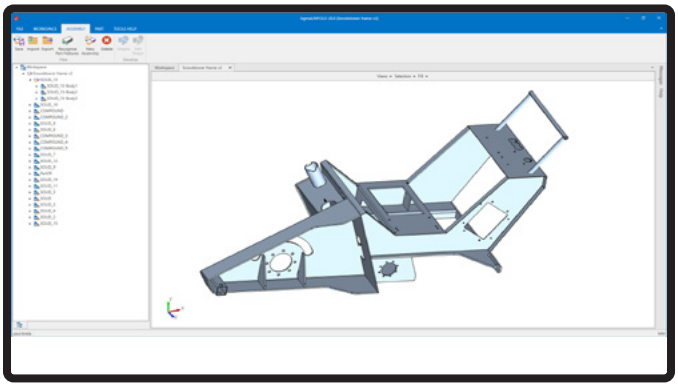
- Work with single parts, assemblies, or the entire workspace offering complete flexibility
- Edit bends directly and adjust the bend radius with built-in CAD tools
- Easily handles parts with 3D features like multi-depth pockets, bevels, louvers, and bends
- Unfold closed shapes (like tubes) with automatic detection and slit cut placement

Adaptive Preferences

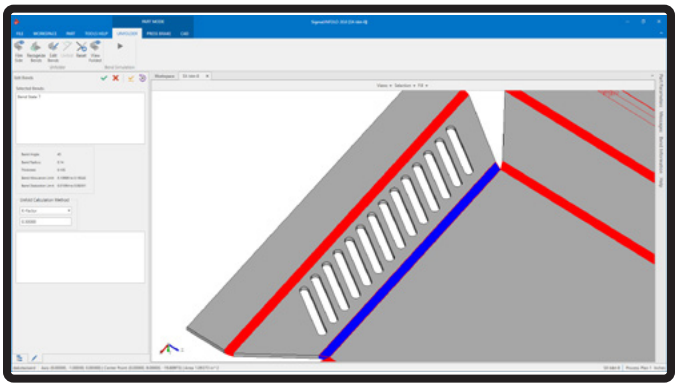
- Rule-based K-factor, bend allowance, and bend deduction values let you choose how to unfold
- Shared editable database of materials ready-to-use for all connected users

Integrated and Automated

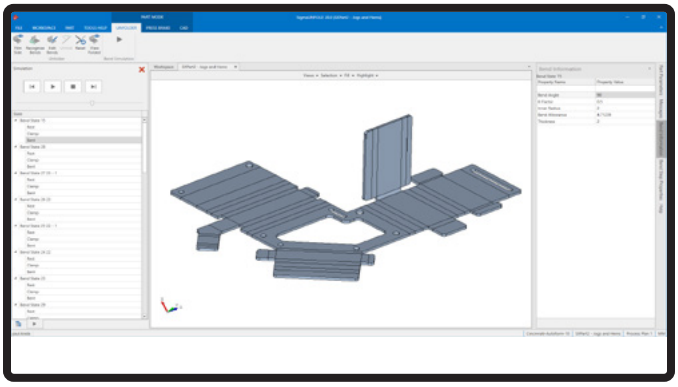
- Non-interactive and 3D interactive unfolding workflows available directly inside SigmaNEST
- Supports major CAD formats preserving important model data
- Leverage batch commands for fully autonomous unfolding and flat pattern export



Complex shapes or assemblies



Adjust bend allowance according to K-factors



Step-by-step visual inspection

CAMBRIO

www.sigmanest.com | Tel: +1 513.674.0005 | Email: info@sigmanest.com

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