



METAL ROOF TILE LINES

SAMESOR – POWER IN MOTION

Long term experience is our foundation for shaping the sheet metal industry. Our passion is shaping your success.

We work closely with our customers to deliver solutions that are not only technically sound but aligned with real production requirements.

Proven in production environments worldwide

- 1000+ machines delivered
- Customers in 60+ countries
- 60+ years of roll forming experience



SAMESOR METAL ROOF TILE LINES

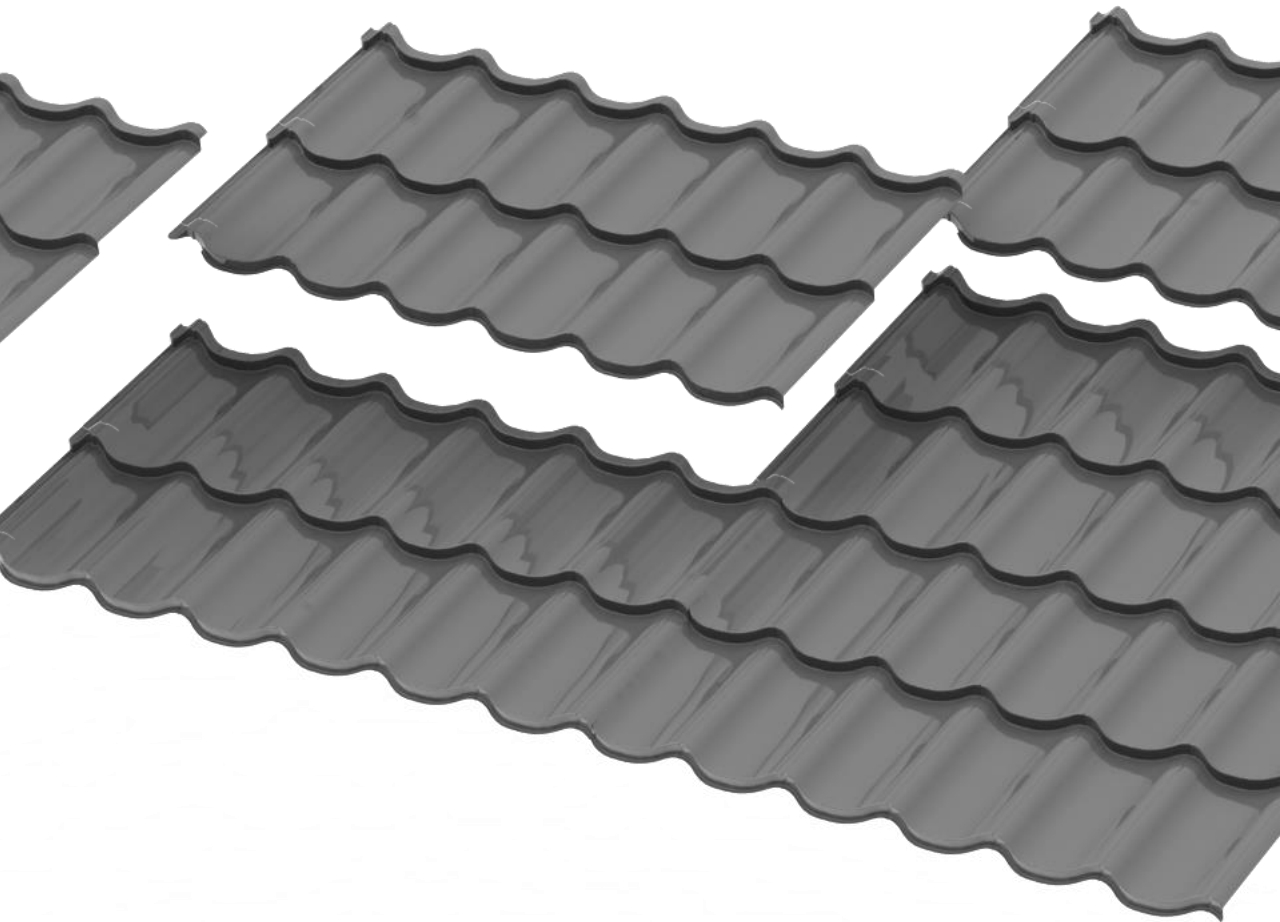
An optimized shape gives your sheet metal products the required rigidity, ease of installation and great aesthetics. Quality production lines by Samesor, proven worldwide for decades.



ROOF TILE LINES: MODULAR OR CONVENTIONAL

Two production concepts. Different operational logic.

Both systems are built on the same proven roll forming technology. The difference lies in how production flexibility, efficiency, and product variation are managed.



WHICH PRODUCTION APPROACH FITS YOUR BUSINESS?

Roof tile profile as Modular or Conventional?
Choosing the right production solution
depends on your products, production volume,
and market requirements.



Conventional Line

Optimized for stable, continuous production

Production logic

- Ridge-to-eave production
- Efficient for repeat manufacturing
- Optimized for long continuous runs

Technical Characteristics

- Manually adjustable forming and pressing setup
- Flexible for variations in material (thickness, coating)
- 2D cutting, 3D as option
- Samesor Pull-back feature for eave alignment control

Best suited for:

- High-volume production of defined profiles
- Project-based manufacturing
- Stable product portfolio

Modular Line

Optimized for flexibility and product variation

Production logic

- Modular stock sized panel production. Also perfectly suitable for ridge-to-eave profile lengths
- Automatic adjustment of key profile parameters
- Easy change within product variation

Technical characteristics

- Automatic adjustment for step height and tile, eave and tail lengths
- Samesor Pull-back + Samesor Pocket to compensate overlap in joints
- Optimized material usage through front/rear end control
- 3D cutting for complex geometries

Best suited for:

- Multi-product manufacturers, optimizing stock control
- Stock production and fast market response
- Producers requiring frequent product changes

SAMESOR METAL ROOF TILE LINES



Production solutions for modern metal roofing systems: designed for precise, repeatable manufacturing of metal roof tile profiles.



Product types

- Conventional roof tile profiles
- Modular roof tile panels
- Tailored products and solutions



Advanced Product Features

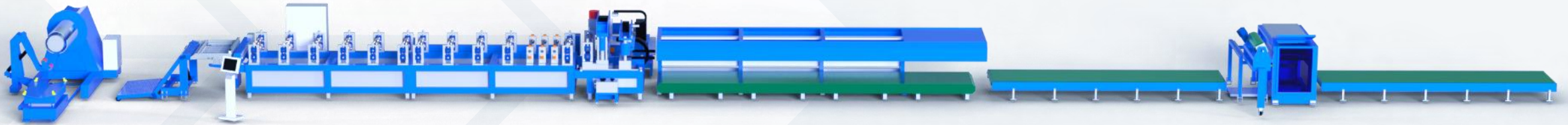
- High-precision tile geometry
- Functional features for installation performance
- Optimized sheet metal usage
- Flexibility in tile geometry and product variations



Material Capability

- Steel, aluminium, copper
- Typical thickness range: 0.45 – 0.60 mm
- Adjustability for coating variation

FROM COIL TO FINISHED ROOF TILE PROFILE



Coil handling

- Material infeeding ensured with robust devices
- Coil handling typically 6 or 10 tonnes
- Stable and controlled sheet material input

Roll Forming

- Durable tooling that gently handles surfaces and coatings, leading to uncompromising quality
- Carefully crafted precision and consistent form

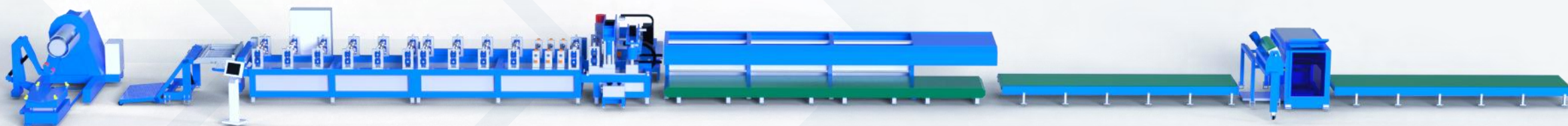
Tile step pressing and cutting

- Accurate step pressing while maintaining the integrity of the sheet metal
- Precise, repeatable tile geometry
- 2D or 3D cutting options
- Finely tuned and precise cutting leading to burr free edges

Stacking & profile handling

- Pyramid stacks and multistack capability
- Optional devices – such as wrappers and conveyors - for packaging and further processing

KEY TECHNICAL CAPABILITIES



Production Precision

- High accuracy in profile and tile geometry
- Consistent repeatability in serial production
- Stable processes over long runs

Operational Flexibility

- Easy variation within profile dimensions
- Fast changeover between product variations; in minutes depending on the model
- Optional devices available to boost production flow

Control & Automation

- High automation level
- Recipe-driven production setup
- User friendly, visual HMI.
- Connectivity to upper-level systems (like ERP)

Production efficiency

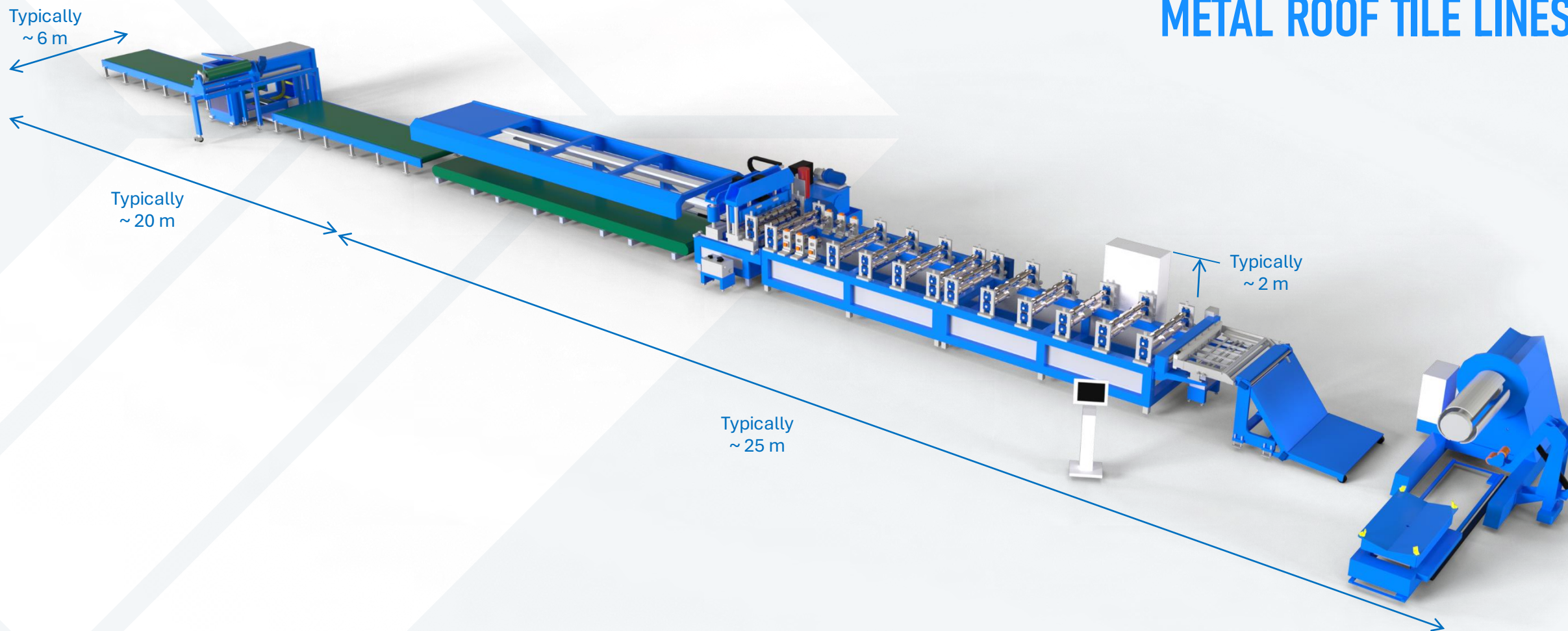
- Short downtime during changes
- Resource efficient operations
- Waste minimizing features by optimized front/rear geometry
- Production speed typically 11 m/min for conventional profiles or 5 pcs of two-step modular panels /min

SAMESOR ROOF TILE LINE

Performance that directly impacts your production capability by boosting efficiency, flexibility and optimized material usage.



METAL ROOF TILE LINES

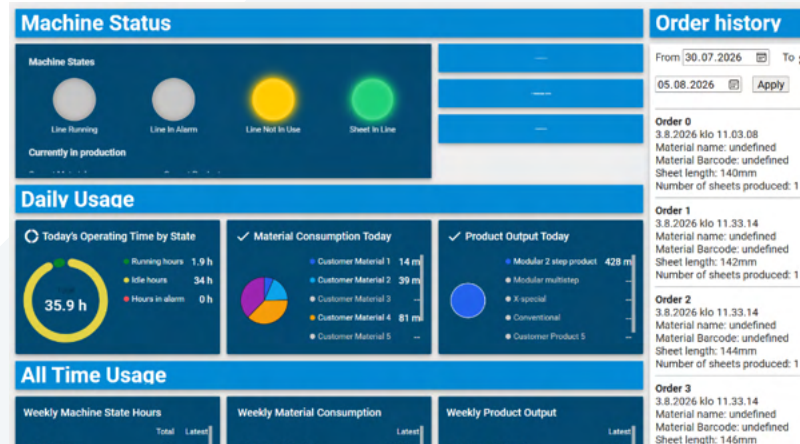
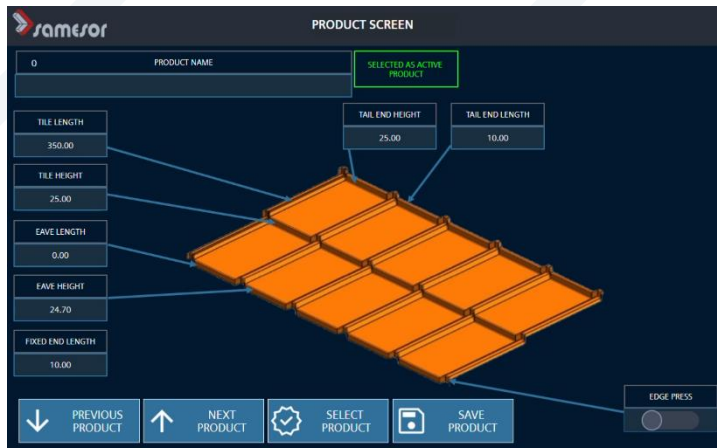


SAMESOR ROOF TILE LINE: ADVANCED AUTOMATION



High automation level, advanced usability

- User-friendly, visual HMI
- Production speed typically 11 m/min for conventional profiles or 5 pcs of two-step modular panels /min
- Diagnostics and signalling
- Remote connection
- Optional production data collection by Samesor Oystercatcher
- Optional ERP connection by Samesor Osprey



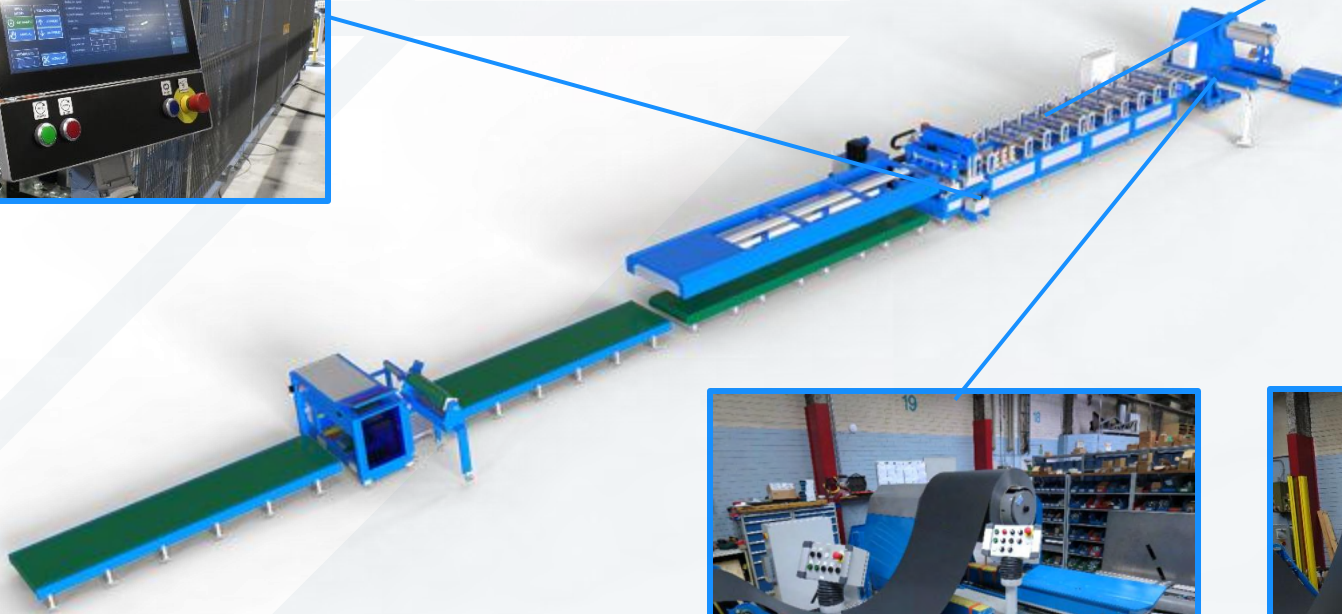
SAMESOR ROOF TILE LINE: FEATURES FOR PERFORMANCE



User friendly
HMI with visual
screens.



Devices for accurate sheet in-feeding.
Front shear for
material usage optimization.



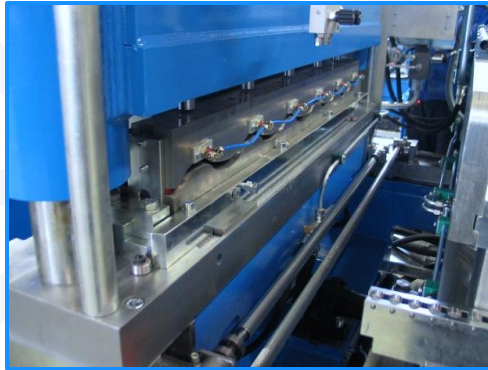
Powerful tools, precise
adjustment features.



Robust devices for coil handling and sheet control.



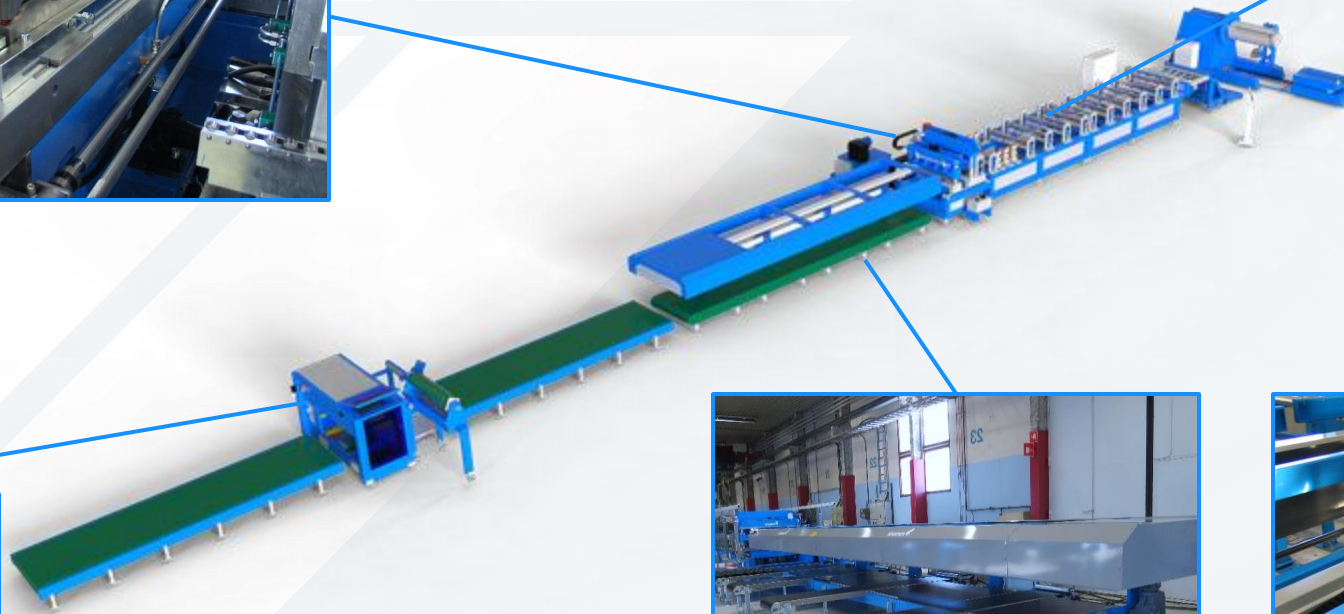
SAMESOR ROOF TILE LINE: FEATURES FOR PERFORMANCE



Pressing tools with accurate lubrication and tool gap fine-tuning.



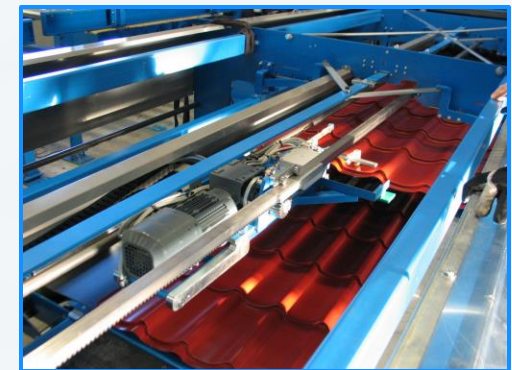
Roll forming with tools for precise profile tuning.



Additional devices for transferring, wrapping and packing.

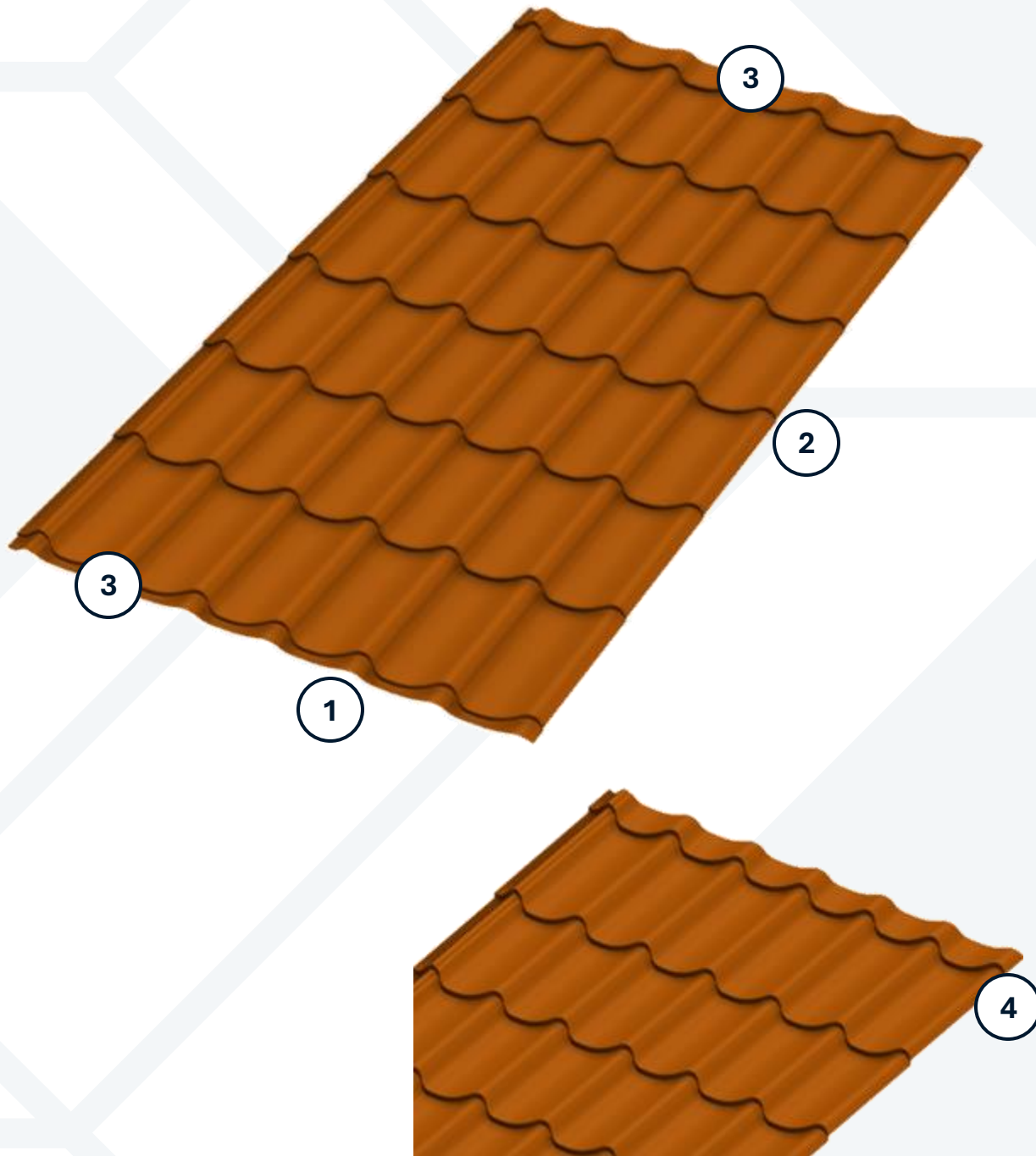


Stacking table with NC driven robotic gripper for pyramid type stacking and multi stacks.



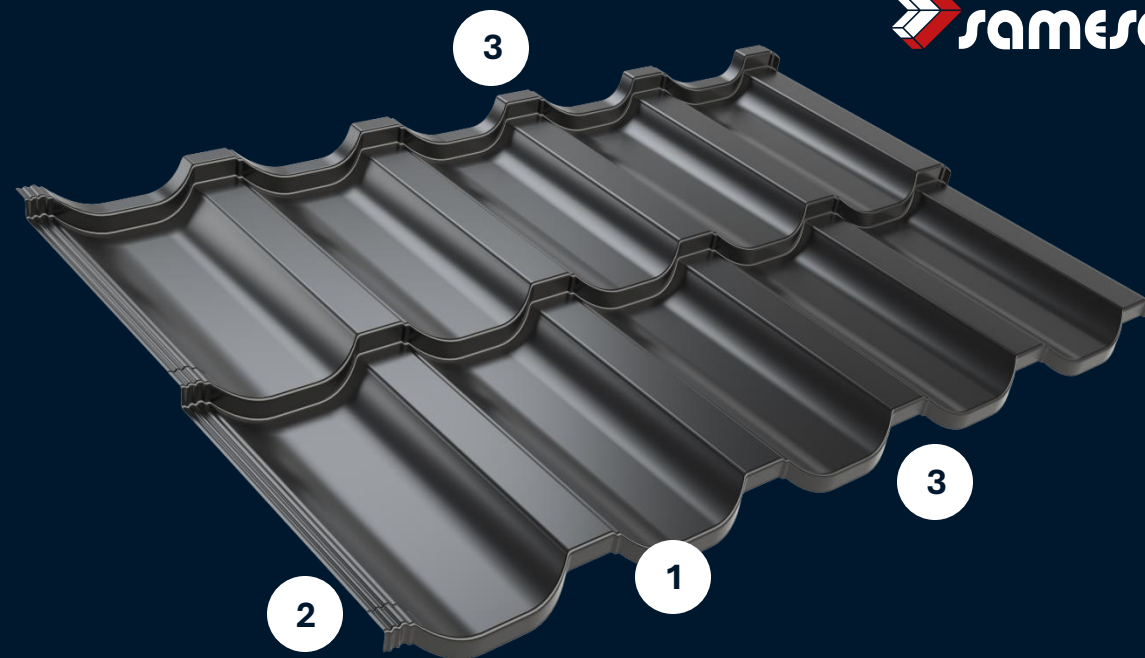
SAMESOR CONVENTIONAL PROFILE

- 1) Straight front edge cutting, 3D cutting optional
- 2) Fixed tile height: manually changeable up to 35 mm by spacers
- 3) Tail length 100 mm minimum, eave length 30 mm minimum
- 4) Samesor Ridge Fit step feature to optimize installation at the ridge
- Variable tile length, manually adjustable in range 275 - 450 mm
- Sheet thickness range 0.45 - 0.60 mm
- Wide material range: steel, aluminium, copper



SAMESOR MODULAR PANEL

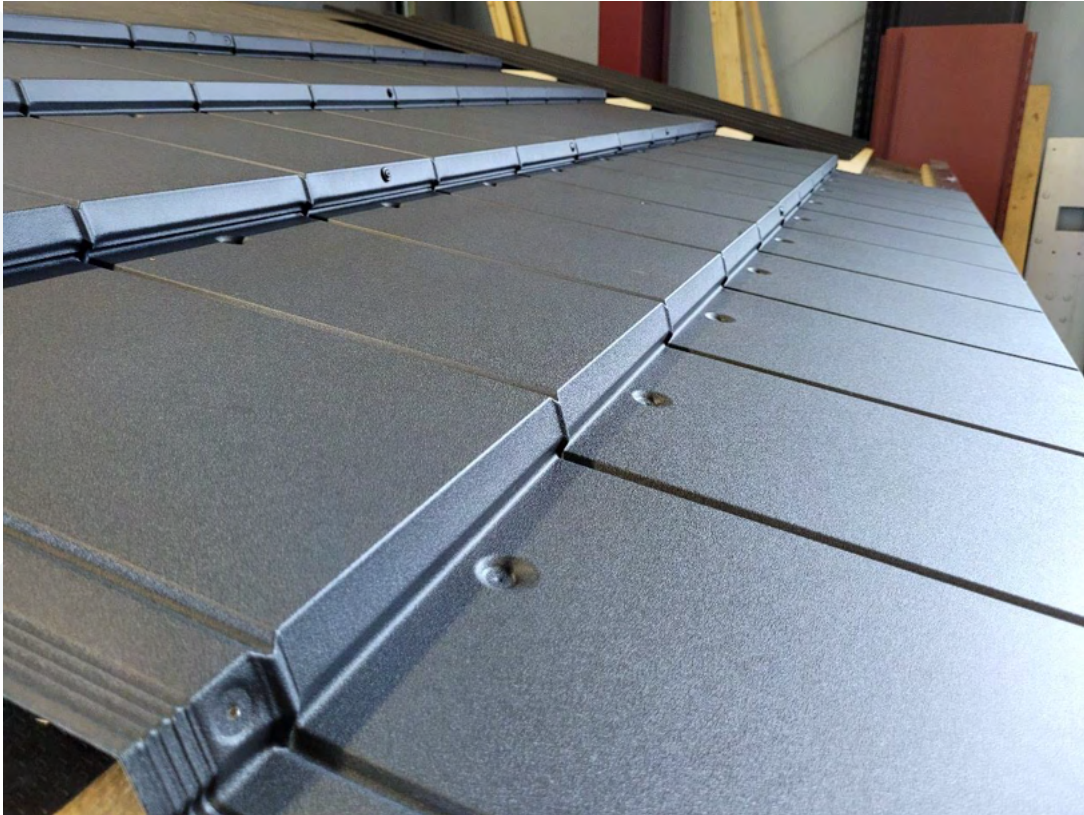
- 1) 3D front edge cutting follows the tile step
- 2) Samesor Pull-back and Samesor Pocket for four-panel joint
- 3) Independently adjustable tail length and eave length. Eave length minimum ~5 mm, optimized tail length typically ~25 mm
- Variable tile height up to 35 mm
- Variable tile length 150 - 450 mm
- Sheet thickness range 0.45 - 0.60 mm
- Wide material range: steel, aluminium, copper



TAILORED SOLUTIONS

Roof tile solutions with additional features to meet your specification:

- Quick-change tools for product changes
- Screw cup detail
- Marking point for screw tip
- Additional effect grooves
- Logo stamping
- Hidden fix feature
- Ink jet printer / laser printer for marking
- ERP connection



TAILORED SOLUTIONS

We also create customized solutions using multi-press configurations, quick-change tooling for design variation, punching devices for screw holes and stamping for branding.



SAMESOR - SOLUTIONS CREATED FOR YOUR SUCCESS

- Proven roll forming expertise
- High-quality reliable machines
- Both standard and customized production lines available as well special tailored solutions
- Continuous innovations and product development
- Increased automation and system intelligence
- Long-term service partnership
- Global reach with local commitment





KEEP ON ROLLING!



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