LINSINGER Milling, Sawing and Rail Technology divisions have advanced to become world leaders in their fields. LINSINGER exports worldwide from Austria in Europe, where over 300 staff are based at the head office and factory. Deliveries to the American continent are growing, alongside the well established markets in Asia and Europe.

LINSINGER’s world leading role is founded on more than 6 decades of technical expertise, and based on research and development partnerships with a wide range of leading customers. These partnerships have enabled LINSINGER to further assert a leading position in the face of global challenges.

„Always on Top…“. LINSINGER’s company motto provides a vision to channel the company’s 3 aspirations:

1. **LINSINGER** focuses on its customers.
   
   Total satisfaction of customer requirements is the winning formula. **LINSINGER** specialists offer long term cooperation with customers to develop leading edge technologies for significant improvements and a competitive advantage. **LINSINGER** service engineers and tooling specialists are available for on-site application consultation throughout the life of a machine.

2. **LINSINGER** employees are the power of the company.
   
   **LINSINGER** offer their dedicated employees a rich framework for personal growth and fulfillment to master today’s ever more demanding challenges. The company supports long term development of both professional and personal skills for creative freedom to discover innovative solutions.

3. **LINSINGER** relies on local sourcing.
   
   Thanks to consistent “in-sourcing” in local and in-house manufacturing, **LINSINGER** is able to pass on the benefits of local quality, reliability and flexibility at competitive prices to customers.
CARBIDE CIRCULAR SAWING MACHINES FOR STEEL PROCESSING

Vertical circular sawing machines KSA
- Steel billets
- Tubes
- Profiles

Inclined bed circular sawing machines KSS
- Steel billets
- Tubes

Circular sawing machines KSA D for double cut
- Steel billets in double cut

Circular sawing machines KSA L for billets in layers
- Billets in layer

CARBIDE CIRCULAR SAWING MACHINES FOR NON-FERROUS METAL PROCESSING

Non-ferrous carbide circular sawing machines KSA, KSS, PSA NA
- Slabs
- Billets

PIPE BEVELLING MACHINES RFM
- Pipe mills

STRIPE EDGE MILLING MACHINES BFKM
- Longitudinal tube mills ERW
- Spiral tubes
- Copper strips

PLATE EDGE MILLING MACHINES PFM
- Shipbuilding
- Tank and wind tower construction
- Tube mills

TUBE PROCESSING

Carbide circular sawing machines for tube layers KSA L
- Tube layers

Tube cut-off machines RTM
- Tubes

Travelling and stationary tube cut-off machines Multi-Cut MC
- Tubes

SPECIAL PURPOSE MILLING MACHINES FOR TUBE MILLS

Strip cross cutting machines SCCM
- Coil ends

Plate edge milling machines PCCM
- Plate ends

SPECIAL PURPOSE MILLING MACHINES FOR SHIPYARDS

Ball tank segment milling machines
- LNG-tanks

Submarine hatch milling machines
- Submarine

MOBILE RAIL TECHNOLOGY

- Rail-milling train SF03-FFS, SF06-FFS Plus
  - High speed lines

- Rail-milling train SF02T-FS
  - Metro

- Rail-road-truck SF02-FS
  - Flexibility

- Rail service

STATIONARY RAIL TECHNOLOGY

- Rail sawing and drilling machines LSB
- Rail head milling machines SKF

Tool technology

Carbide-saw blades, LINCUT® disc miller, tube cutter head, cutter heads, sandwich miller, beveling tools, grinding wheels, special drillers
No hair cracks, shining clean cut surface

MILLING TECHNOLOGY

Strip edge milling machines BFKM
for longitudinal tube mills

Applications:
Longitudinal tube mills ERW

Advantages:
– Welding edge preparation with highest accuracy
– Vertical & horizontal strip waviness tracking function ensuring consistent bevel profile
– High output performance with low tool costs
– N and V bevel or special bevel profiles
– No de-burring required

Applications:
Strip width: up to 2200 mm
Strip thickness: up to 25 mm
Line speed: e.g. 45 m/min
Material: X52, N80, P110 and high tensile strength
Strip edge milling machines BFKM
for spiral tubes

Applications:
Spiral tube mills with and without tack weld

Advantages:
– Milling unit suitable for profile bevel (V, X, J etc)
– Vertical & horizontal strip waviness tracking function ensuring consistent bevel profile
– Minimal oversize concept for material saving
– Twin stage milling units for high speed lines
– Small chip size, easy handling

Applications:
Strip width: up to 2800 mm
Strip thickness: up to 28 mm
Line speed: e.g. 12 m/min
Material: X52, N80, P110 and high tensile strength

The Technology:
Peripheral milling of the strip edge for welding seam preparation.

Payback period < 1 year
Plate edge milling machines PFM for shipbuilding

Applications:
Shipyards, plate mills

Advantages:
- Welding edge preparation with highest accuracy
- Milling unit suitable for profile bevel (V, X, J etc)
- Plate waviness tracking function ensuring consistent bevel profile
- Cross transportation between two clamping tables enables bevelling of both plate sides without crane handling

Quality improvement through high precision plate tolerances
Plate edge milling machines PFM for tank and wind tower construction

Applications:
Tank fabrication, wind tower construction

Advantages:
– Short processing times through special milling concepts
– No clamping portal, free crane access
– Wide variety of solutions for every application

Also suitable for conical and trapezoidal plates

Basic model

D – PFM 45/500 CNC
E – PFM 450 CNC
F – PFM 90/600 CNC
MILLING TECHNOLOGY

Plate edge milling machines PFM
for tube industry – welding edge profiles on both longitudinal sides

Applications:
Large tube mills

Advantages:
– High output rate by simultaneously milling both longitudinal sides of the plate
– Highly accurate welding edge preparation
– Milling unit suitable for profile bevel (V, X, J etc)
– Vertical plate waviness tracking function ensuring consistent bevel profile

Bevel profiles:

Increased production through simultaneous welding edge preparation

PFM 900 CNC
PFM 110/250 D (1000 kW milling power)
PFM 3200 CNC
Pipe bevelling machines RFM
for tube – API weld chamfer on both pipe ends

Applications:
Large tube mills, spiral tube mills

Advantages:
- High output rate by simultaneously bevelling both pipe ends
- Single operator controlled
- Long life tooling
- Radial waviness tracking function ensuring consistent bevel profile
- No de-burring required

Applications:
Tube: Ø 16"– 120" (406 – 3048)
Wall thickness: 6,4 – 50,8 mm
Tube length: 6 – 24 m
Material: API-quality 5L B, X80 grade, …
MILLING TECHNOLOGY – SPECIAL MILLING MACHINES

Strip cross cutting machines SCCM
for leading and trailing coil ends
Cross seam welding edge preparation

Applications:
Tube mills

Advantages:
– More cost effective than shearing
– No shearing nose
– Accurate, clean, burr-free cut
– Cold cut with unaltered grain structure (no surface hardening or heat affected zone)
– N, Y and X bevel profiles

Plate cross cutting machines PCCM
for leading and trailing plate ends

Applications:
Tube mills, steel mills

Suitable for use with LINCUT® disc miller
– Longer tool life due to coated carbide tips
– Single tips can be replaced easily and quickly
– Fewer production stoppages

LINCUT
Perfect cuts with proven tool technology

Cutting and welding edge preparation in a single working cycle
Ball tank segment milling machines
for processing of ball tanks on LNG carriers

Applications: Shipyards

Advantages:
– Rotating clamping table enables simple yet highly accurate alignment and clamping of the ball tank segment
– 3 dimensional tracking function ensuring consistent bevel profile
– Milling unit with profile milling tool applicable

Submarine hatch milling machines

Applications: Naval shipyards

Advantages:
– Transportable: Operates in manufacturing hall or attached directly to submarine hull
– Exchangeable tool heads enable a variety of processes (facing, milling, drilling, flame cutting, measuring)
– Quick change mechanism for tool head

Welding edge preparation with highest accuracy

5 axis processing