

# Rosendahl Manufacturing Solutions

January 2011



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## Partner for Innovations

- Consulting & Turn-key Projects
- Research & Development
- Engineering
- Manufacturing
- Control & Software Systems
- Installation & Commissioning
- Staff Training
- Maintenance
- Upgrading & Online - Services





## KNILL Gruppe

- Privately owned family business managed by Georg & Christian Knill
- In the 12th generation since 1712
- Headquarters in Weiz, Austria
- Today an internationally active group of companies
- Active in 2 divisions with 9 business units:
  - Knill Energy
  - Knill Technology
- Present in 15 countries with 26 companies worldwide
- About 1450 employees, including 650 in Austria
- Group turnover of 178 Mio. Euros

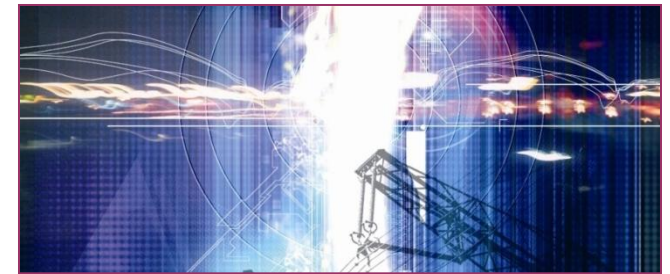




## KNILL Group - Organization

### **Knill Energy**

- Overhead Transmission
- Substation Equipment
- Distribution System Accessories
- Distribution Accessories



### **Knill Technology**

- Solutions for the Optical Fiber, Cable & Wire and Metal Tube Industry
- Bakery Technology
- Solutions for Battery Industry





## KNILL Technology

Battery  
Machines

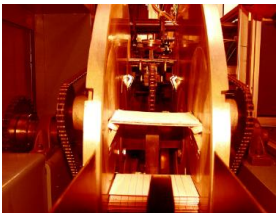
Bakery  
Technology

Cable & Wire  
Systems

Metal Tubes  
& Hoses

Fiber Optic

Special Fibers





# Rosendahl Strategic Business Units



**ROSENDAHL**  
AUSTRIA

**BATTERY MACHINES**  
BM



**BACKTECH**  
AUSTRIA

**BAKERY TECHNOLOGY**  
BT



**ROSENDAHL**  
AUSTRIA

**CABLE & WIRE**  
CW



**ROSENDAHL**  
AUSTRIA

**METAL TUBES & HOSES**  
MT

- AUTOMOTIVE
- MOTORCYCLE
- INDUSTRIAL
- E-MOBILITY
- TURNKEY SOLUTIONS

- HEAD MACHINES
- COMPACT LINES
- ELEMENT SYSTEMS
- INDUSTRIAL LINES

- POWER CABLE
- AUTOMOTIVE WIRE
- FIBER OPTIC CABLE
- LAN CABLE
- COAXIAL CABLE
- CROSSHEAD SERIES

- SOLAR TUBES
- HEATING TUBES
- HYGIENIC & PROCESS TUBES
- AUTOMOTIVE INDUSTRIES
- TURNKEY SOLUTIONS



## Our Headquarters

All departments are located at the headquarter in Pischelsdorf

- Sales
- Marketing
- Service
- Research & Development
- Production
- Control & Software
- In-house Testing Facilities
- Distribution





## Rosendahl - History

- *2011* Relocation of **BACKTech** as fourth business unit to Rosendahl
- *2010* Rosendahl presents its first **Metal Tube** manufacturing solutions
- *2010* **BM-Rosendahl** becomes part of Rosendahl-Austria
- *2005* **Nextrom** becomes part of the Knill Gruppe
- *2002* Rosendahl introduces **RF Welding and Corrugation** Technology
- *1997* Rosendahl becomes part of the **Knill Gruppe**
- *1978* First **Fiber Optic Cable** Line developed
- *1965* First Rosendahl **Extrusion** Line developed
- *1959* Establishment of **Rosendahl** by Mr. Rosendahl



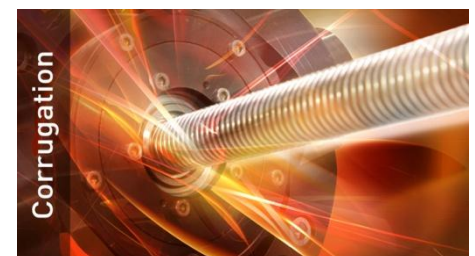
# Metal Tubes & Hoses

Manufacturing Solutions for  
Metal Tubes & Hoses



## Manufacturing Solutions for Metal Tubes & Hoses

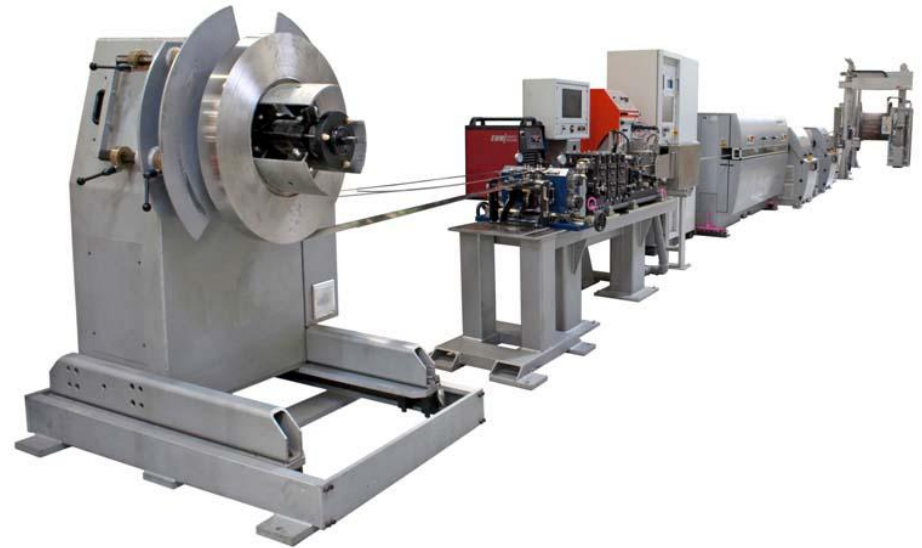
- Tape Forming & Welding, Inline Annealing, Calibration and Corrugation Technology
- Tube Mills for smooth or corrugated tube products
- Solutions for applications in the fields for solar, heating, hygienic and automotive branches





## SOLAR TUBES

- Flexible metal tubes and hoses
- Annular and helical corrugation designs
- High corrugator rotation speed
- For copper, aluminium, titanium, nickel basic alloys and high alloy steel applications





## HEATING TUBES

- Smooth stainless steel, high alloyed, nickel basic alloyed and titanium tubes
- Longitudinal seam welding with TIG, Laser or Plasma welding technology
- High performance inline bright annealing and bead rolling equipment
- Diameter ranges from 6 – 200 mm





## HYGIENIC & PROCESS TUBES

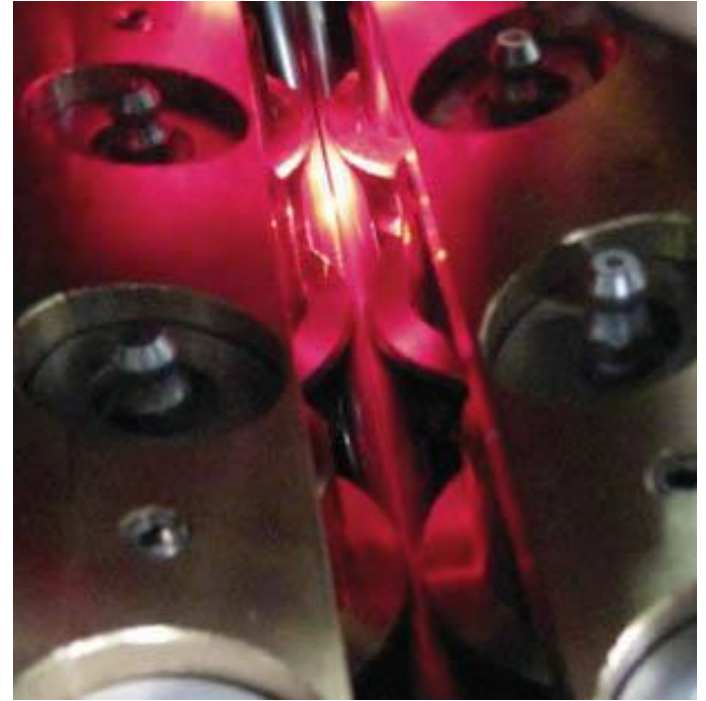
- High precision TIG-plasma-welding systems for corrosion resistant materials
- Mechanical and heat-induced tube surface
- Smooth inner surface, homogenous shape and microstructure by lamination process





## AUTOMOTIVE INDUSTRIES

- High-speed laser welding systems for best treatment of ferritic and austenitic steel
- Production of thick-walled, low diameter tubes
- Manufacture of large-sized, thin-walled tubes
- Bead rolling systems for inline treatment of laser welds

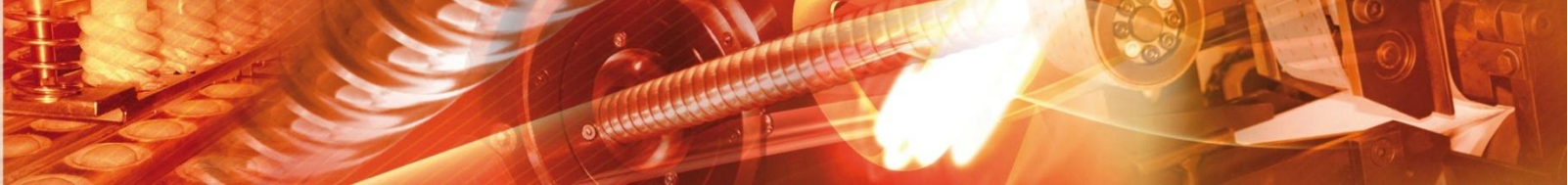




## TURNKEY SOLUTIONS

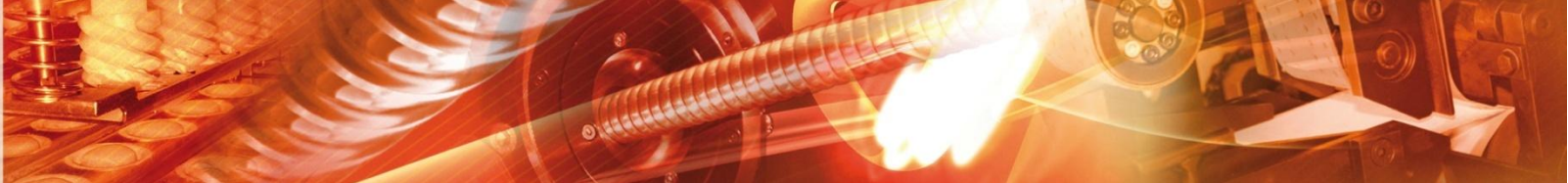
- Customer support for material treatment of metal forming, welding and heat treatment
- Concepts from coil- or tape-handling to final tube product downstream
- Integration of offline equipment for bending, forming, surface treatment, cutting, testing and handling





„We are the  
1st point of contact  
to our customers“





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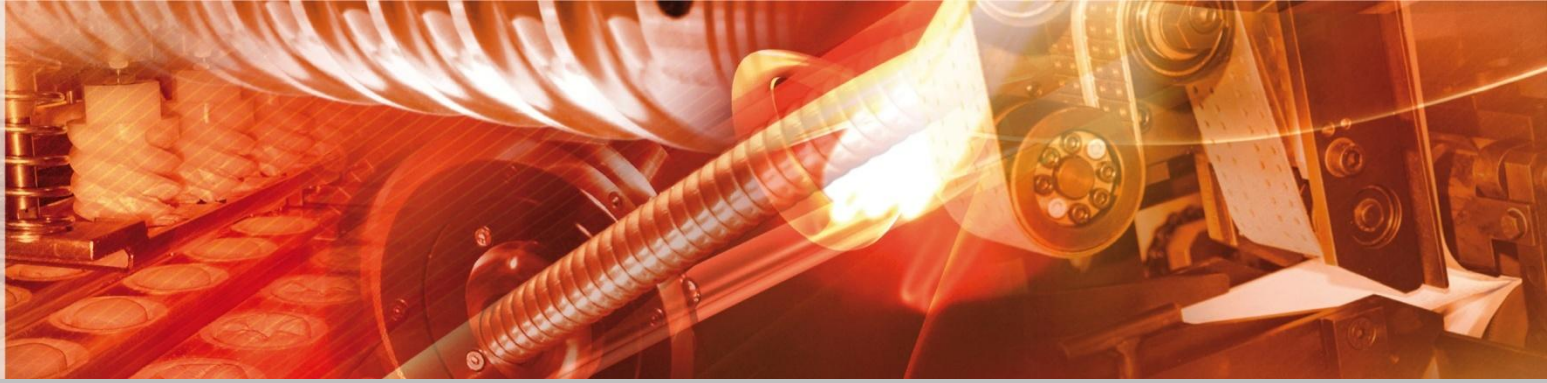
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