



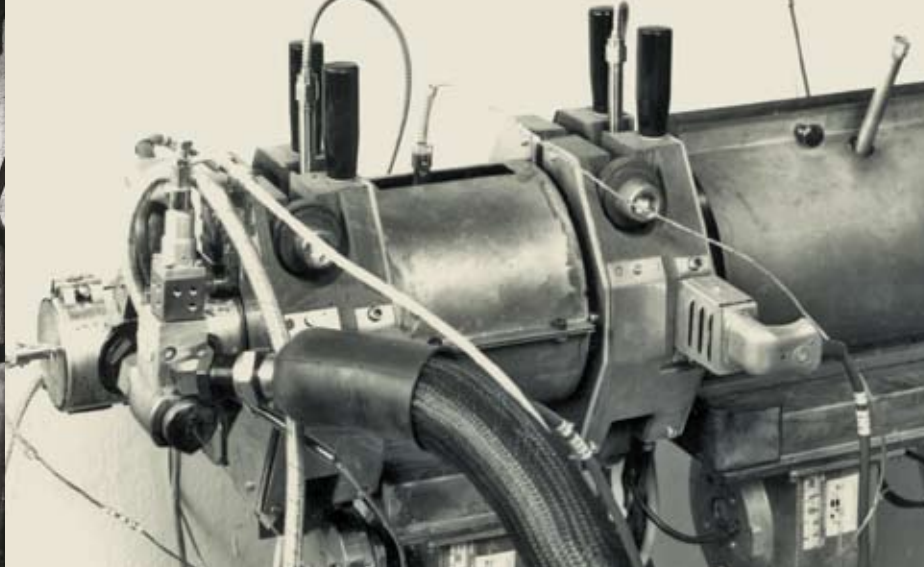
ROSENDAHL
AUSTRIA



BM-Rosendahl is a global technology leader who provides manufacturing solutions for the battery industry. Our fields of expertise range from enveloping & stacking, cast-on-strap, assembly and plate sleeve & stacking to turnkey projects. Our core business, machinery for the assembly of starter batteries, provides solutions to battery manufacturers worldwide.

We supply lead-acid battery machinery for automotive, motorcycle, stationary and traction batteries, using all manufacturing methods, with PE-, AGM or leaf type separators.

**BM-ROSENDAHL
AT A GLANCE**



In 2010, BM became part of the Knill Group – an Austrian family-owned business founded in 1712 and which is now run by the 12th generation of the family.

Today the holding company comprises two divisions:
Knill Energy and Knill Technology.

The Technology Division - of which BM-Rosendahl is part - successfully brings together companies of the battery, wire & cable, speciality fibres and the bakery industries.

THE HOLDING



Since its foundation in 1996, BM has maintained a sustainable technological and economic development. With ELBAK, the first milestone was achieved in the early 70s when solutions for the manufacture of battery machinery were offered. By joining Rosendahl Maschinen GmbH, mutual technological and administrative advantages were realised.

The business unit BM-Rosendahl consists of a competent team of research and development experts as well as design engineers who make sure that customers receive perfect service according to their specific requirements.

THE HISTORY AND THE PRESENT



ENVELOPING & STACKING

A variety of different enveloping/wrapping and stacking machines meet all requirements for high quality battery production. All common plate types such as cast, expanded, punched, formed and unformed plates can be processed with our machines.



BM-Rosendahl develops systems which are able to cast standard flooded SLI batteries as well as VRLA batteries, using only one single machine.

CAST-ON-STRAP



ASSEMBLY

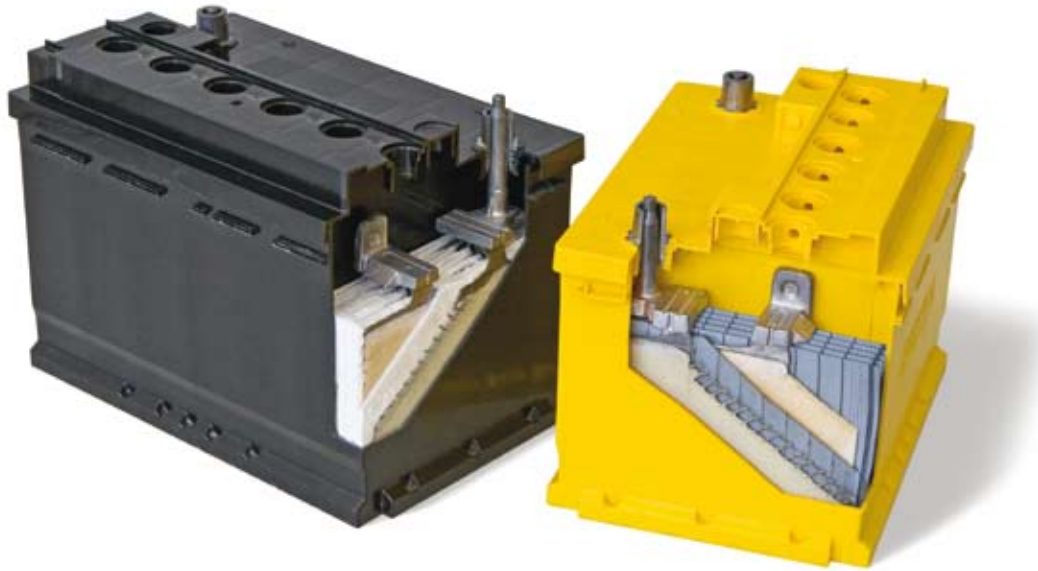
All common battery types can be produced at all productivity levels using assembly equipment from BM-Rosendahl, no matter which area of technology you focus on.



The unique sleeve production with mechanical closing produces an endless tube which can be cut to the required length.

SLEEVING & STACKING

AUTOMOTIVE



Complete assembly lines for car and truck batteries

Production of flooded SLI batteries

Manufacture of AGM (VRLA) batteries

Requirements regarding battery features are adapted to the continuous development in the automotive industry. By addressing the quality of batteries in a market with rapidly changing requirements, BM-Rosendahl offers the highest flexibility with its production lines.



ENVELOPING & STACKING
CAST-ON-STRAP
ASSEMBLY

MOTORCYCLE



Enveloping & stacking for motorcycle batteries with PE, AGM or leaf-type separators

BM-Rosendahl has the expertise to fulfil the specialised requirements for processing small motorcycle batteries by means of enveloping/ wrapping as well as stacking processes so as to create high quality elements.

ENVELOPING & STACKING

INDUSTRIAL



Wrapping & stacking solutions for industrial sleeve production and sleeve operation for stationary and traction batteries

Various technologies are offered for the production of elements of different industrial battery cells. Specialised technology for creating a sleeve as well as for placing the plate inside the sleeve is offered by BM-Rosendahl.



ENVELOPING & STACKING
SLEEVEING & STACKING

E-MOBILITY



ENVELOPING & STACKING



Enveloping & stacking solutions for e-bike batteries

Assembly of lithium ion modules

BM-Rosendahl offers manufacturing systems for the e-mobility market. Precise operation and fully automated production are essential criteria for meeting all requirements.



TURNKEY SOLUTIONS



Engineering for green field battery production

Comprehensive project management

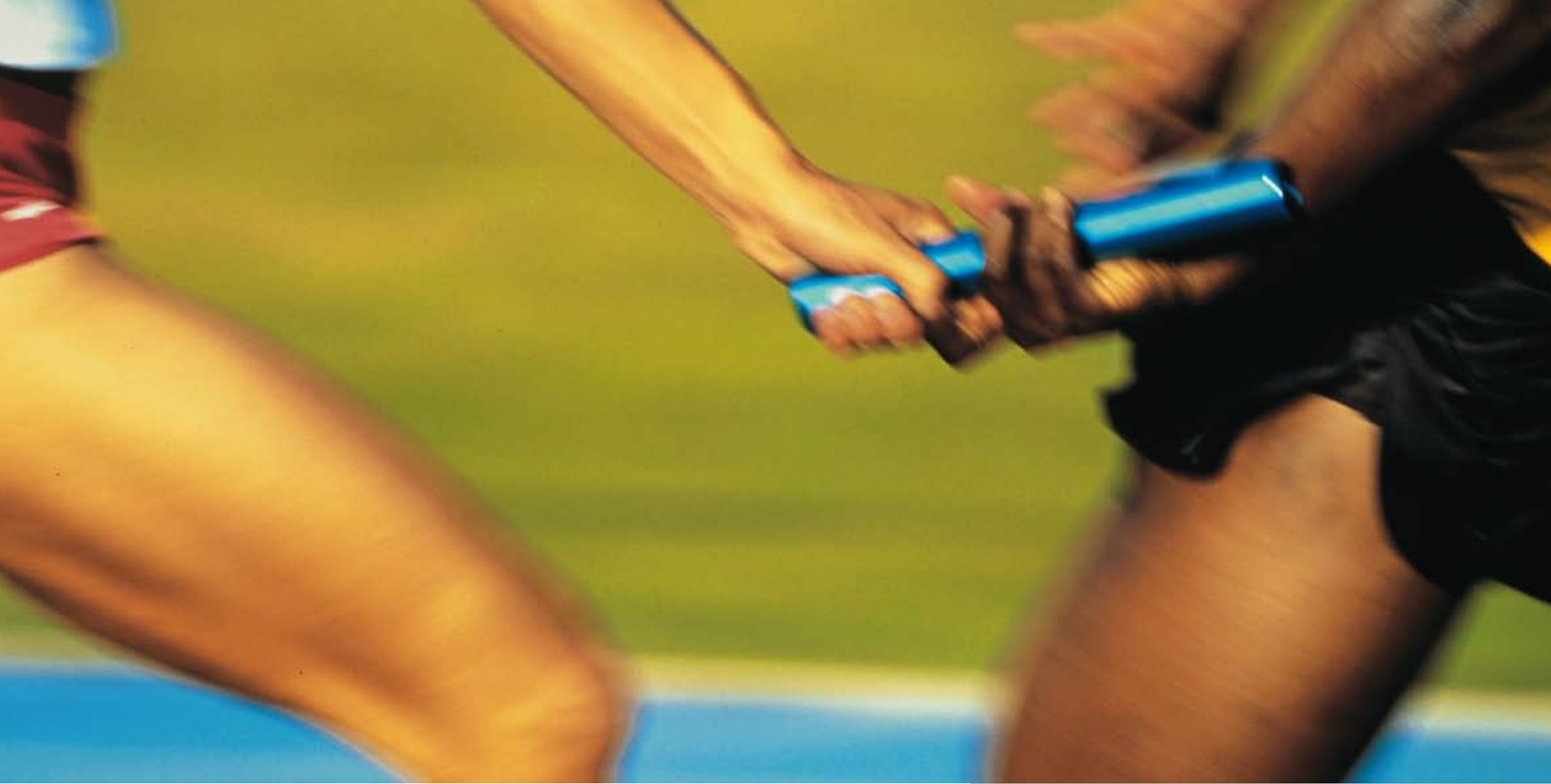
BM-Rosendahl has the expertise to achieve the highly specific level of engineering required for on-site installation. Know-how as well as production support complete turnkey projects.

ENVELOPING & STACKING
CAST-ON-STRAP
ASSEMBLY



RESEARCH & DEVELOPMENT

Continuous high investment in R&D is one of the key factors to our success. We focus on innovation and we consistently review our present methods. This strategy enables us to research into new technologies such as the use of lithium-ion and to apply the newly discovered and up-graded methods to our products, processes and services in order to fulfil the market needs at the highest level and in the best possible way.



Customer-focus is a central value at BM-Rosendahl. In order to cope with today's demands and those of the future, we always strive for the right solution with the right service to fulfil the customers' needs for different applicatio

**PARTNER FOR OUR
CUSTOMERS**



VIENNA



MOSCOW



NEW DELHI



SHANGHAI



SEOUL



ATLANTA



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Detailed Information on Service and Sales Centers: www.bm-rosendahl.com

