

Strip coil

Strapping machine SMB-EV

Product brochure





Your solid industrial partner

In a world of technical developments and ever-changing needs, a solid industrial partner is crucial. Sund Birsta has been setting new standards for performance, durability, energy efficiency and safety for decades. Today, we are considered the leading supplier of handling equipment in the rolling mill industry.

Sund Birsta's wide range of solutions can be found in plants of all types and sizes, all over the world. Like the SMB responsible for strapping strip coils in the most demanding environments.

SMB-EV

High-performing strapping in your demanding environment

The SMB-EV Strapping Machine applies straps radially through the inner diameter of the Coil. It is designed for the hot and demanding environments of Hot Strip Mills, and is compatible with any conveying system.



Flexibility

The SMB-EV can handle a wide set of coil dimensions and material temperatures, while enabling near endless numbers of strapping recipes thanks to the 240° rotation.



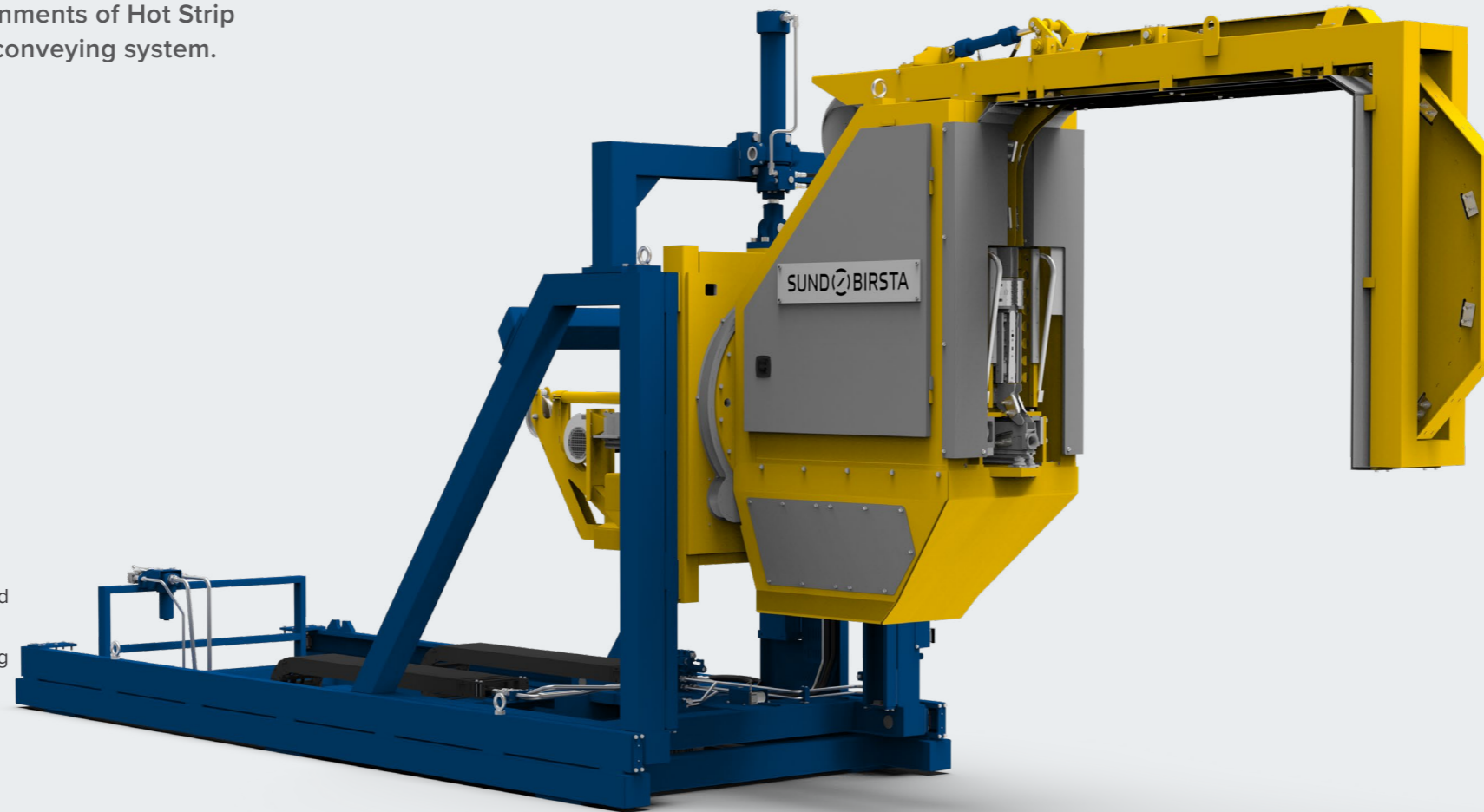
Continuous cooling

Strategically placed cooling fans and air channels allows continuous cooling of the machine during the whole strapping cycle.



Advanced Sealing Technology

Equip the machine with the strapping head of your choice. Sund Birsta offers a wide selection of strapping heads capable of creating seal-less mechanical joints or welded joints.



Operation

When a strip coil arrives at the strapping position, the SMB-EV has already positioned itself vertically to align the moveable strap guide with the center of the coil eye. Upon receiving the start signal, the machine begins to rotate towards the first strapping position while the moveable strap guide runs forward to connect the strap guide system. When it has reached the strapping position and the strap guide system is connected, the strap is fed through the system and into the Strapping Unit. The strap is then clamped, and the Feeding Unit retracts surplus strap while the Strapping Unit and the Strap Support moves towards the Coil. The Strapping Unit performs the seal, cuts the strap and returns to its retracted initial position. The strap guides remain connected and rotates towards the next strapping position while simultaneously feeding new strap through the strap guide system. Upon reaching the new strapping position, it is ready to strap and the cycle repeats. When the required number of straps have been applied, the moveable strap guide is drawn back and the machine rotates to its upright initial position to make way for the conveyor and Coil.



Safety solutions

Sund Birsta provides customized safety solutions that comply with applicable standards and meet your specific requirements.



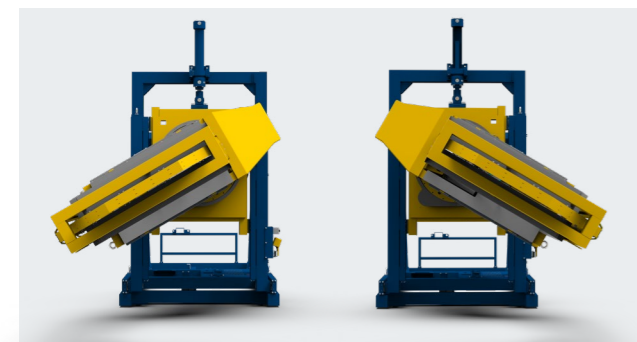
Support

Our dedicated Customer Service team ensures you receive the support you need, when you need it. Your production is our priority.



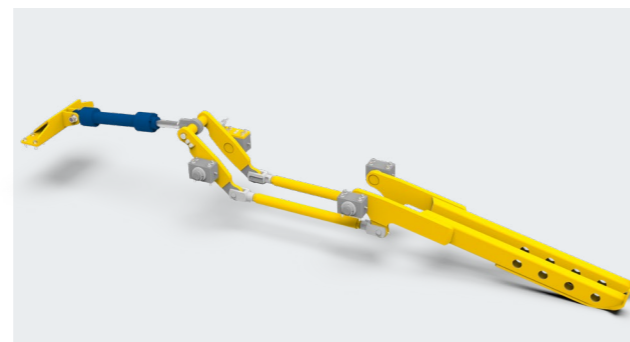
Remote service

The SMB-EV is compatible with our IoT solution, enabling quick and solution-oriented remote support from Sund Birsta's experienced engineers.



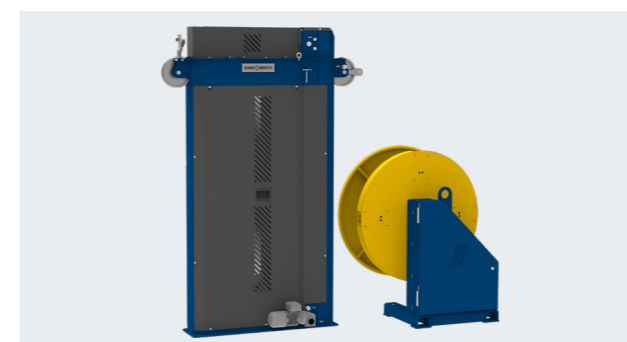
240° rotation

The SMB-EV can rotate 240° and apply straps anywhere along the arc.



Strap support

Equip the machine with a Strap Support and reach even higher strapping tightness.



Next generation Accumulator

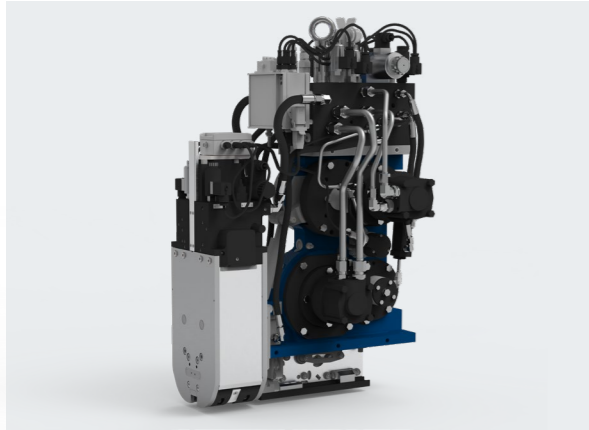
Faster, safer and more ergonomic. Discover our new accumulator and improve your productivity.

Technical specification	SMB-EV
Material temperatures	Up to 850 °C
Sealing technology	Mechanical or weld
Strap width	32mm
Coil sizes	Customizable
IoT compatible	Yes

Strapping heads

Widest choice of options in the latest strapping technology

Our strapping heads can easily be fitted into existing strapping machines.



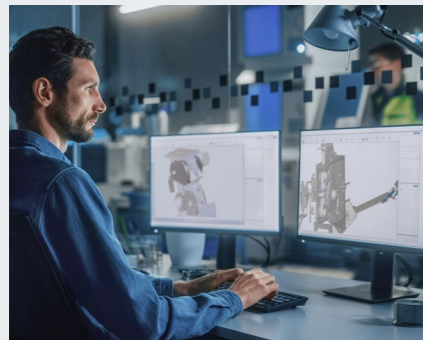
SBHX5

- Sealless mechanical joint
- For 32 mm steel straps
- Retains 80% of the steel strap's tensile strength
- Wear parts have a lifespan of up to 80,000 cycles



SBHRW

- 4-spot resistance welded joint
- For 32 mm steel straps
- Retains 90% of the steel strap's tensile strength
- Wear parts have a lifespan of up to 5,000 cycles



Remote service

With the Sund Birsta IoT solution, our specialist can perform remote diagnostics and troubleshooting of your equipment. This can also allow for improved preventive maintenance and optimization.



Safety

Sund Birsta machines and handling equipment are designed to meet high demands on safety, for both people and property. Machine safety is important and a priority for us.



Working environment

We strive for continuous improvement through design for a better working environment.

A long-term partnership

Service, cost-effective spare and wear parts and upgrade programs. Safety, support and digital tools. We are in it for the long haul, making sure you maximize the return of your investment in Sund Birsta technology.



Spare parts service

Every Sund Birsta unit is built with high-quality industrial components from leading suppliers. We take great pride in offering the same quality components as spare parts, readily from our large stock.



Workshop service

Our workshop staff apply the same level of expertise and attention to detail in looking after your unit, that went into building it. From inspections to full machine rebuilds, we've got everything covered.



A wide range of solutions

We have a wide range of solutions for handling all types of products - from durable infrastructure steel to exclusive materials and surface-treated products that must be handled with great care.



60+ years of experience

We have been supplying handling equipment to satisfied customers in the rolling mill industry for over 60 years and our solutions are suitable for plants of all size and types.

We increase your productivity.

sundbirsta.com

SUNDBIRSTA

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