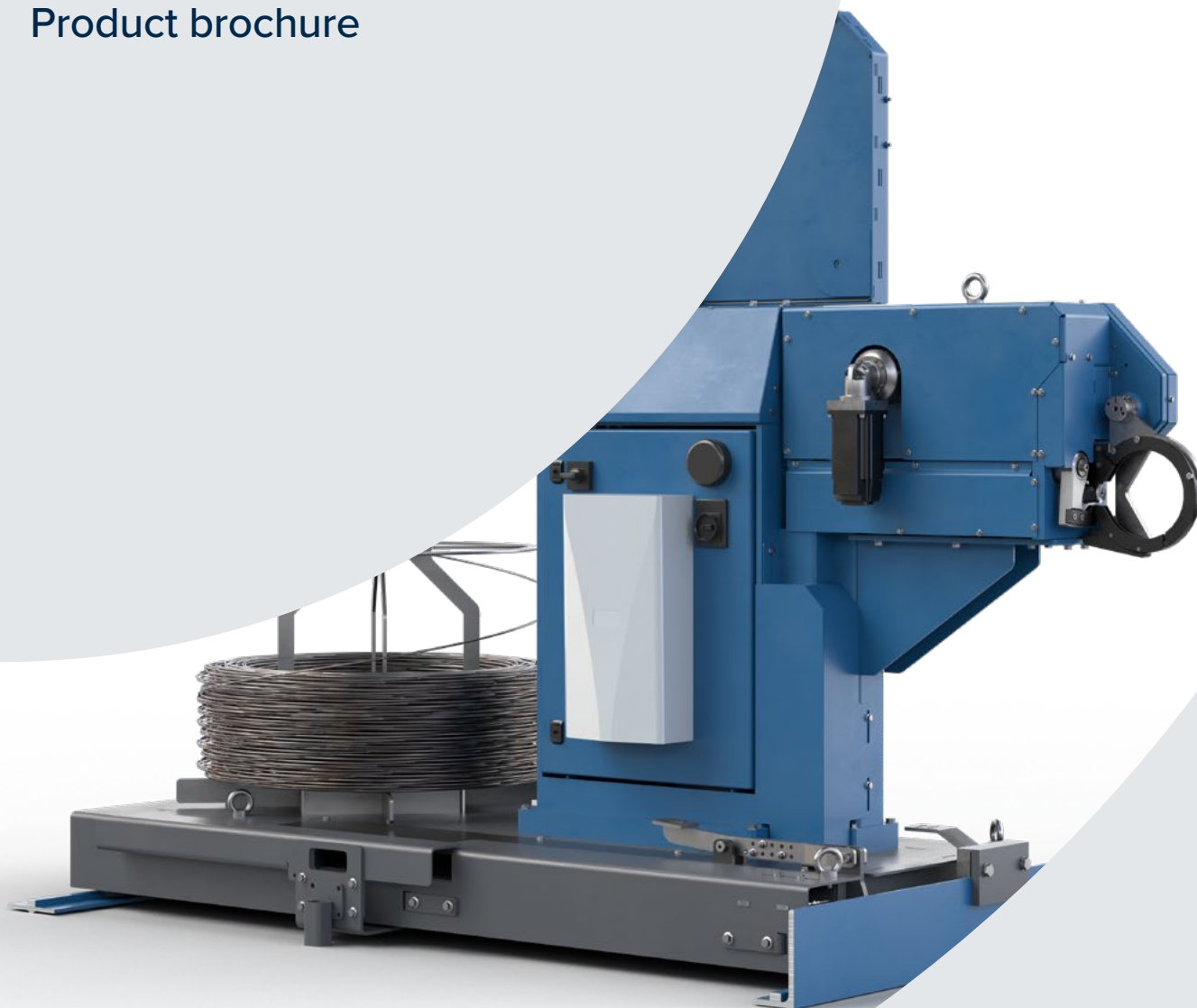
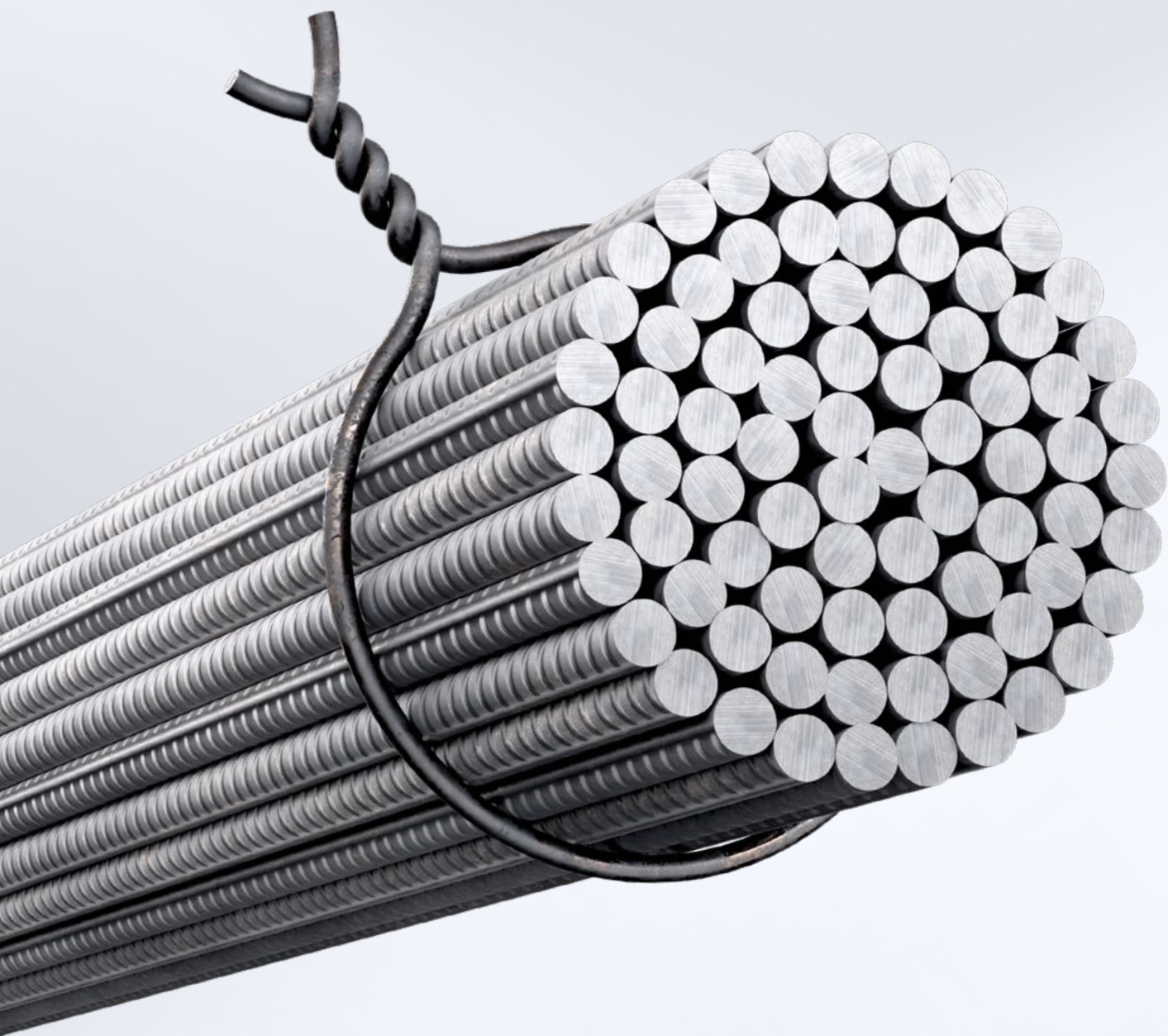


Bar & section

Binding Machine KNSe

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 KNSe, our most energy-efficient binding machine to date, responsible for the wire binding depicted on the left.

KNSe Binding Machine

Energy-efficient binding of small bundles

The fully electrical KNSe Binding Machine is designed for binding small and medium-sized bundles of bars and sections, also referred to as sub bundles. It is reliable, durable and very energy-efficient.

Building on proven Sund Birsta technology, the KNSe offers a new human-machine interface (HMI), great serviceability and an interchangeable wire magazine for increased productivity.



Self-contained unit

The KNSe is a self-contained unit, which simplifies installation and improves reliability.



High availability

The high availability of Sund Birsta machines increases productivity and reduces costs.



Easy installation

The KNSe is designed to easily integrate into any line in the rolling mill industry.



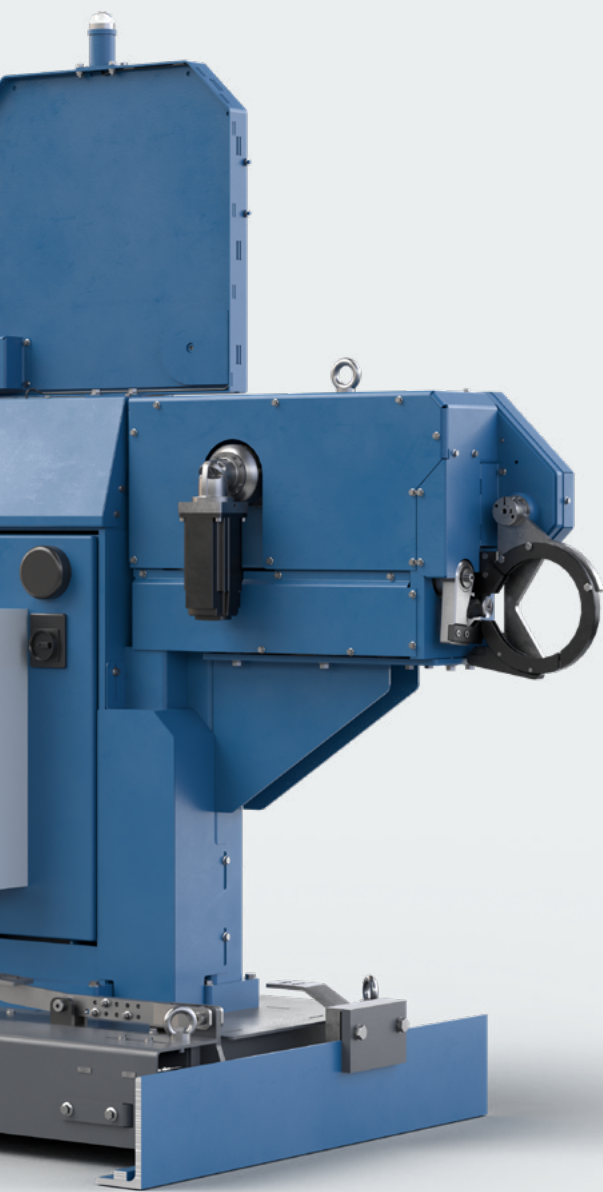
Human-Machine Interface (HMI)

The HMI of the KNSe lets the operator change the machine's parameters. It also features service instructions, a guide for trouble solving and alerts for changing of wear parts.



Pedals for easy access

The machine has two pedals, one for quick and easy access to service and one for hassle-free release from the production line, enabling fast shifting of binding position.



Operation

The KNSe Binding Machine is designed for binding small and medium-sized bundles of bars and sections. It is a self-contained unit, which simplifies installation and improves reliability. This makes the KNSe capable of meeting the requirements of most producers of small to medium-sized bundles, both in new applications and in existing plants.

When a bundle arrives at the binding position, the wire guide track closes around the bundle. The binding wire is fed out of the wire magazine, and tightened around the bundle. The wire is cut when the twisting head starts to rotate to wind the ends together.

The machine is fully automatic, but can also be manually operated from a local control panel.



Fits into existing plants

The KNSe is a perfect fit, both in new applications and in existing plants.



Low maintenance

Few wear parts and easy access to service makes the KNSe very low maintenance.



Robust design

Like all machines and handling systems from Sund Birsta, the KNSe is reliable and durable.

Energy-efficient electrical operation

With its fully electrical binding technology, the KNSe has 90 percent lower energy consumption compared to traditional hydraulic machines.

Conventional hydraulic binding machine

KNSe Binding Machine

90%

less energy consumption.

| Technical specification | KNSe |
|-------------------------|-------------------|
| Length (mm) | 2100 |
| Width (mm) | 1230 |
| Height (mm) | 1400 |
| Binding wire (mm) | Ø 2.6–4.0 |
| Bundle size (mm) | Ø 40–120 / 40–250 |
| Binding time (s) | 2–4 |
| Net weight (kg) | 1000–1500 |

KNSe Binding Machine

Options and customization

We offer both standard and custom solutions, based on your specific needs. Here are some of the options available for the KNSe.



Larger wire magazine

You have the option to feed the KNSe from a separate, larger wire magazine. This lets the machine run continuously for up to four times longer, increasing productivity.



Interchangeable core technology

The binding unit can be lifted out for service, making it possible to minimize downtime by immediately putting in a replacement. It can also be fitted into legacy machines, with a retrofit package.



Remote service

With the Sund Birsta IoT solution, our specialists 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 available 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 sizes and types.

We increase your productivity.

sundbirsta.com

SUND  BIRSTA

A part of Danieli Group