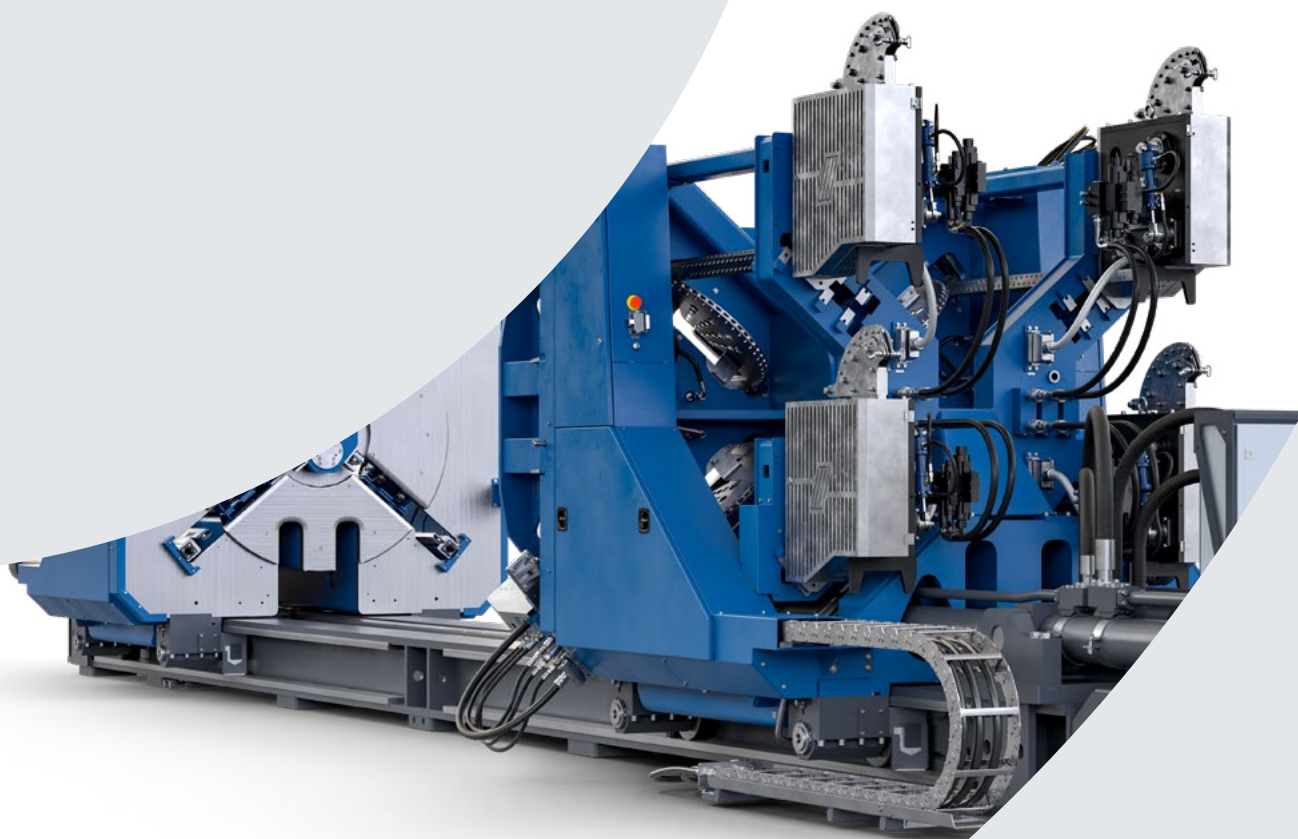


Wire

Compactor PCH Alfa

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 PCH Alfa, responsible for compacting (and binding/strapping) the coil on the left.

PCH Alfa Compactor

Fast and energy-efficient compacting

The PCH Alfa Compactor is designed to efficiently compact wire rod coils in rolling mills. It can be adapted for a variety of applications and equipped with wire binding or strapping systems.

Building on proven Sund Birsta technology, the PCH Alfa utilizes an efficient pump control system, activated only when needed, making the machine low-maintenance and very energy-efficient.



Short cycle time

The PCH Alfa is our fastest compactor yet, with very short cycle time. And the bigger the coil, the shorter the cycle, due to the press plates having to move a shorter distance.



Proven technology

Building on proven Sund Birsta technology, the PCH Alfa is a reliable compactor in plants all around the world.



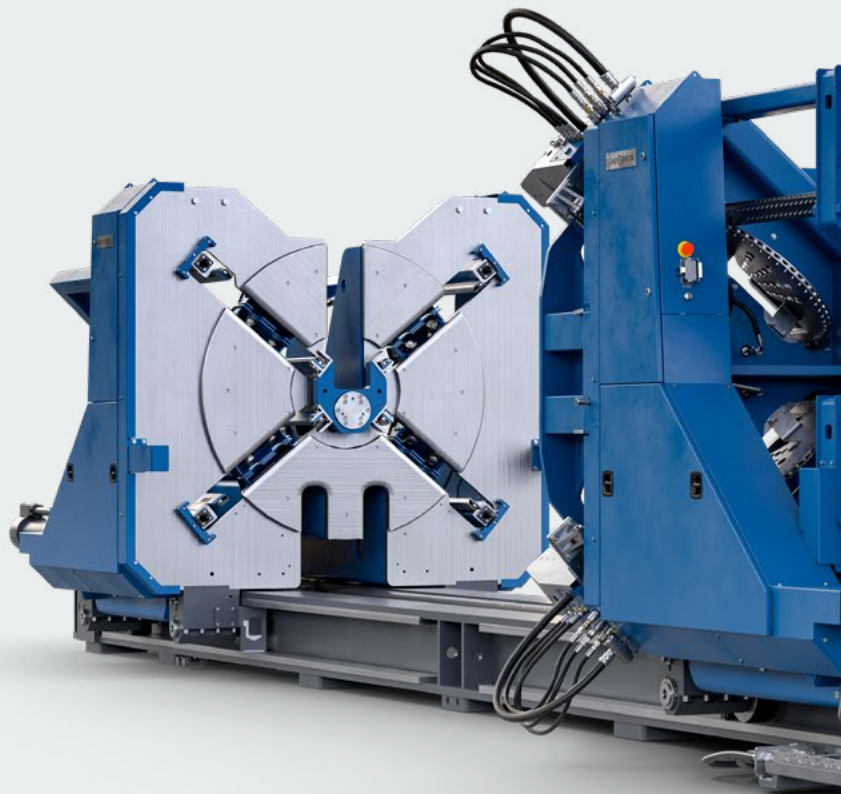
Long life span

The robust design and construction of the PCH Alfa makes the machine reliable and durable.



Easy access to service

Protection covers are easy to dismount, giving good access to maintenance of the machine.



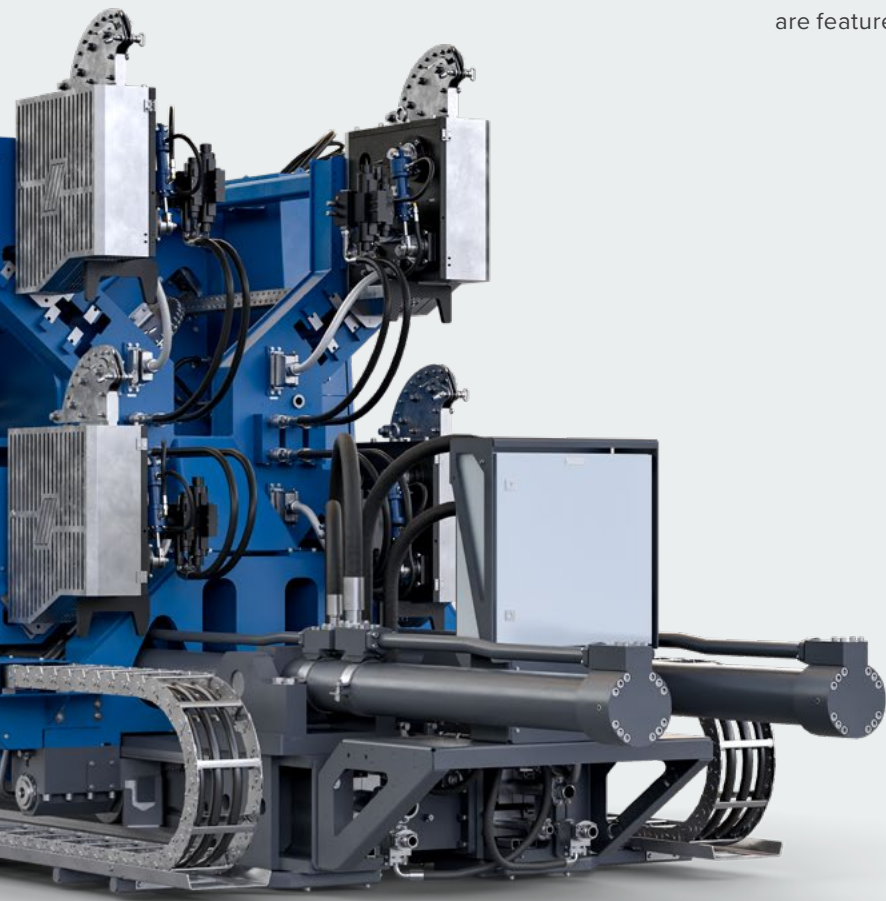
Advanced Human-Machine Interface (HMI)

The human-machine interface of the PCH Alfa features operational information as well as information on preventive maintenance and fault finding.



Internet of Things (IoT)

With the PCH Alfa, you have access to powerful analytics from anywhere, thanks to our comprehensive built-in IoT solution.



Operation

The PCH Alfa Compactor is designed to compact wire rod coils with a pressure of up to 500 kN. The efficient pump control system, activated only when needed during the machine's cycle, minimizes energy consumption.

This horizontal compactor consists of movable press plates, a lifting table and four units for wire binding or strapping. Short cycle time, high availability and easy access for maintenance are features making the PCH Alfa a cost-effective investment.



Compressed air outlet

The machine has an outlet for compressed air, which makes cleaning of mill scale easy.



Easy installation

The PCH Alfa is delivered pre-assembled and tested, and is designed to easily integrate into any line in the wire rod mill.



Variable pressure

The pressure of the PCH Alfa can be adjusted steplessly between 5 and 500 kN.



Scratch-free process

The surface of the press plates can be exchanged to accommodate the sensitivity of the material being compacted.

Energy-efficient hydraulic operation

With its optimized hydraulic compacting technology, the PCH Alfa has 50 percent lower energy consumption compared to traditional hydraulic compactors.

Conventional hydraulic compactor

PCH Alfa Compactor

50%

less energy
consumption.

Technical specification	PCH Alfa
Lenght (mm)	11500–15900
Width (mm)	2530
Height (mm)	3000
Binding wire (mm)	6.3–7.3
Binding strap (mm)	0.8 / 1.0x32
Max. coil weight (kg)	4000
Min./max. hook length (mm)	4000–6200
Min. cycle time (s)	26*
Net weight (kg)	28800–31200

*Depends on machine size and coil size.

PCH Alfa Compactor

Options and customization

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



Wire binding

The KNB binding head makes a strong, parallel twisted knot with no protruding ends. It has a well-proven design, known for its reliable performance.

Strapping

The SBHX5 strapping unit punches five pairs of seals: four lock seals and one security seal. The SBHX5 is a high quality unit with long life-span, designed for easy access to maintenance.



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

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