

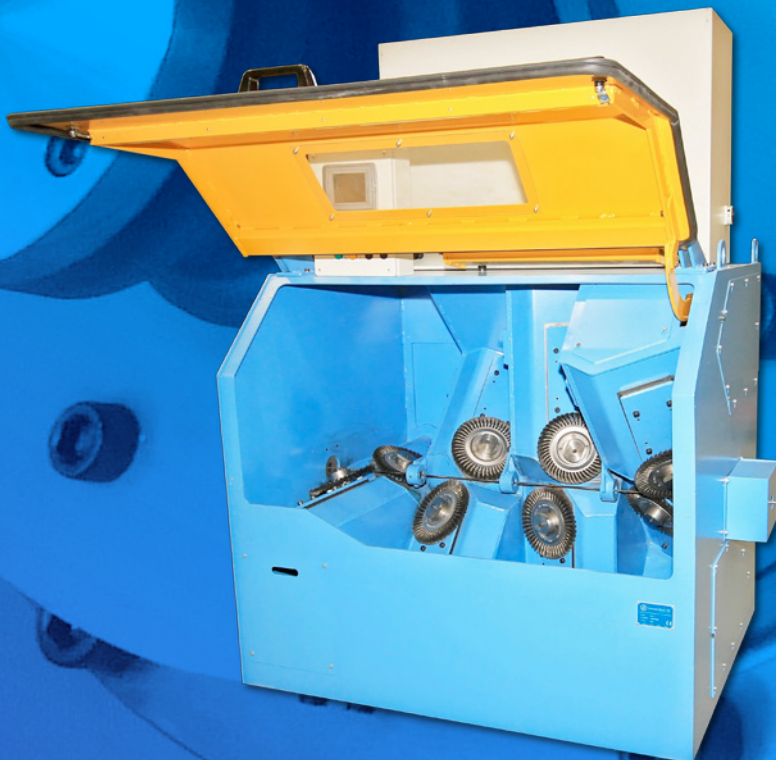


Lämneå Bruk AB
A passion for service.



Rod Preparation Solutions

Effective wire cleaning for high-quality outputs



Made in
Sweden



Lämneå Bruk has been in the wire industry for more than **100 years**. We design **high-quality, innovative and enduring** machines, individually **customized** according to your needs - from the first idea to the installation of the machine and after - sales service.

i Visit our website www.lamnea.se for more information.

ROD PREPARATION PORTFOLIO

Mechanical Descaling

Lämneå Bruk's rod cleaning system is suitable for continuous, in-line descaling of wire rod. The descaling system consists of a 4 or 6-sheave scale breaker, a 4-pair brushing unit, a Sandpaper Descaling Machine, the Waterjet and the Candocoat. Mechanical descaling prepares the wire before entering the drawing machine by removing the undesirable scale from the wire surface.

Mechanical Descaling is considered a more **environmentally-friendly** alternative to chemical descaling. The machines have a minimal environmental footprint.

Lämneå Bruk's Mechanical Descaling Machines enable efficient, space-saving inline rod cleaning for **high-quality and cost-effective** results.

The result: Clean and smooth wire, perfectly prepared for wire drawing!



All our machines are **CE marked**. On-going and thorough risk analysis and testing ensures highest safety according to European standards.

Reversed Bending Descaler (MD 75/4 and MD 90/6)



Key Features:

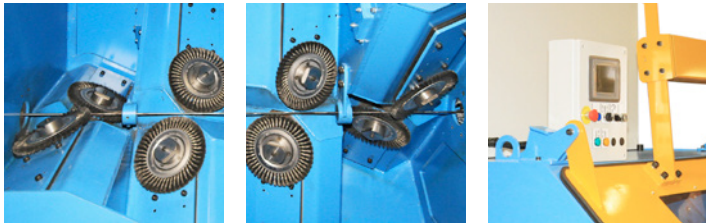
- ✓ The MD series offers two sizes for efficient low – high carbon rod preparation: The **MD 75/4** for wire sizes from 5,5 – 8mm and the **MD 90/6** for wire sizes from 5,5 – 12mm.
- ✓ Bending rollers with solid carbide steel inserted at the centre eliminate the need to change the entire roll since only the central part can be replaced.
- ✓ Shields and labyrinth seals ensure double protection of the roller bearings utilized in the assembly.

TECHNICAL DATA:

	MD 75/4	MD 90/6
Line Speed	Up to 4m/s	
Wire diameter:	5,5 – 8mm	5,5 – 12mm
Number of rolls:	4 off	6 off
Roll diameter:	75mm	90mm
Optional roll diameter:	90mm	110mm
Inlet wire height:	950mm (Customized upon request)	
Length:	1200mm	1350mm
Width:	625mm	1100mm
Height:	1550mm	1650mm



Mechanical Descaling by Brushing (MDB)



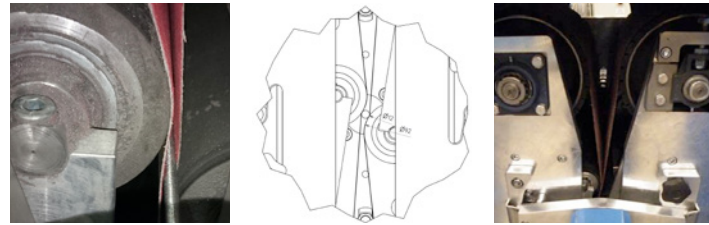
Key Features:

- ✔ Suitable for low to high carbon wire sizes
- ✔ Intelligent Brush Pressure Detection System for optimal cleaning results and extended brush lifetime
- ✔ User-friendly plug-in installation

TECHNICAL DATA:

Line speed:	Up to 4m/s
Number of brushes:	8 off
Brush diameter:	250mm
Wire diameter:	5,5 – 12 mm
Tensile	Low Carbon-High Carbon wire
Inlet wire height:	Customized
Length:	1500 mm
Width:	1325 mm
Height:	2430 mm

Sandpaper Descaling Machine



Lämneå Bruk's newest innovation for advanced mechanical descaling of low to high carbon as well as stainless steel wire.

Key Features:

- ✔ Equipped with two sanding belts and a counter bearing for lower flyer speeds, giving perfect support for the bearings.
- ✔ Self-leveling wire running position
- ✔ Flyer and grinding belt speeds are steplessly adjustable
- ✔ Suitable for sandpapers of any grade

SANDPAPER

TECHNICAL DATA:

Line speed:	Up to 4 m/s
Number of belts:	2
Wire diameter:	4-20 mm
Quality:	Low – High Carbon- Stainless Steel wire
Inlet wire height:	Customized
Length:	1500 mm
Width:	1400 mm
Height:	1425 mm

Mechanical Descaling by Waterjet



The High-Pressure Waterjet is completing the Lämnea Bruk mechanical descaling portfolio.

Key Features:

- ✔ The water jet is a high-quality and compact descaling system without the use of any chemicals.
- ✔ Only water is used in the cleaning process.
- ✔ Small environmental footprint
- ✔ No wearing while cleaning the wire for very consistent high-quality results

Candocoat – Cleaning and Coating machine



The Cleaning and Coating Machine completes the Rod Preparation portfolio. Residing scales are rinsed off effectively with a hot water for smooth, perfectly prepared wire.

Effective three-step process

1. Hot water jet to remove loose particles
2. Wet coating application of lubricant carrier
3. Drying

Key Features:

- ✔ In-line lubricant carrier coating unit to be placed in front of the drawing machine to enhance wire lubrication in the dry wire drawing process.
- ✔ Cleans the wire with high pressure hot water to remove loose particles from the surface.
- ✔ The coating section can handle modern lubricant carriers and common borax carriers.

TECHNICAL DATA:

Wire type	Carbon Steel + Stainless
Power	24 kW
Wire diameter	5,5 – 12 mm
Speed	2-4m/s

Do you have specific requirements for your business operation?

Please contact our dedicated sales team for more information:



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