

Fully Automatic Precision
Layer Winder (FA-PLW)
Fast and Very Precise Wire Laying



Key Features

- ✓ Fully automatic spool exchange with servo-drive motor-operated toolings, ensuring uninterrupted production
- ✓ Precise wire laying to a hundredth of a millimetre, ensuring top-quality outputs
- ✓ Superior spool supply magazine accommodates various spool types, including wire baskets, plastic, and fibre spools, without requiring adjustments
- ✓ User-friendly interface for the highest user-friendliness of operation and control
- ✓ Available for 30kg, 15kg, as well as smaller 5kg and 1kg spools, providing flexibility for diverse production needs

Optional Add-On:
Packing Robot for seamless production

The robot verifies the weight of the spools. In case of discrepancies, staff intervention guarantees precision, while the robot continues with the next spool. Once verified, the robot seamlessly palletizes the spools for labeling and shipping.

TECHNICAL DATA

Line Configuration:	Payoff – Dancer – Winder 330
Wire Size:	Ø 0,8 to 1,6 mm
Wire Speed:	up to 35 m/s
Wire Types:	HC, LC, stainless steel, welding
Type of Spools:	Wire baskets, plastic and (bre
Max. Spool Flange:	330mm
Spool Weight:	1 kg, 5 kg, 15 kg or 30 kg

OUTPUT DATA

Expected production of CO2 welding wire, 100% efficiency		
Ø1,40mm	30 wire baskets/hr	15kg spools
Ø1,20mm	29 wire baskets/hr	15kg spools
Ø1,10mm	26 wire baskets/hr	15kg spools
Ø1,00mm	24 wire baskets/hr	15kg spools
Ø0,90mm	19 wire baskets/hr	15kg spools
Ø0,80mm	18 wire baskets/hr	15kg spools



Lämneå Bruk AB
A passion for service.

Fully Automatic Machine Solutions

Efficiency and Precision for Modern Wire Manufacturers



Made in
Sweden

Explore customized machine
solutions and contact our
expert sales team!



Scan here for details!

Lämneå Bruk AB
612 73 Ljusfallshammar
Sweden

Phone: +46 122 232 00
Fax: +46 122 232 99
info@lamnea.se
www.lamnea.com

Welcome to Lämneå Bruk – Your complete wire machinery supplier

Lämneå Bruk has been a full supplier of customized, **high-quality** machine solutions for the ferrous wire industry for over **200 years**. All parts and components are designed, developed, and manufactured in-house, reflecting our consistent commitment to transparency and quality at every stage of the process.

 Visit our website www.lamnea.com for more information



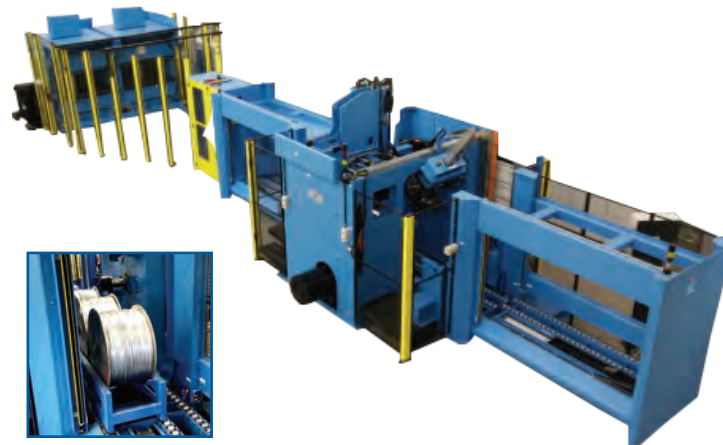
All our machines are **CE marked**. A thorough 3-step risk analysis and ongoing testing guarantee high safety according to European standards.

Fully Automatic Wire Machinery Solutions

Automation boosts efficiency, allows to cut labour costs significantly while maintaining top-notch quality and high productivity to meet demands, stay competitive, and deliver superior products consistently. Discover Lämneå Bruk's Fully Automatic Portfolio!

Fully Automatic Rewinding Line (ASPML)

Efficient Spooling Solution



Key Features

- ✓ Versatile wire respooling of both flat and round wire
- ✓ Supports both vertical and horizontal payoff configurations, providing flexibility in setup
- ✓ Fully automatic spooler with servo-motor control
- ✓ Maximum uptime with multiple payoffs; reloading of one unit is possible while the other one is in operation
- ✓ Spool handling prepared for AGV (Automated Guided Vehicle) trucks, enhancing user-friendliness and convenience
- ✓ Compatibility with different spool types up to 1000 kg, catering to diverse production needs

TECHNICAL DATA

Wire Size:	Ø 2-7mm
Wire Speed:	up to 20 m/s
Wire Types:	HC, LC, Stainless Steel, SAW-wire
Take-up spool Size:	Up to 1000 kg
Production Output:	Up to 95 metric tons/24 hours

Fully Automatic Statablock Coiler Vertical (SBCV)

Versatile Coiling for Consistent Quality



Key Features

- ✓ Special flyer design for dense pattern-laid coils, ensuring high-speed payoff and transport stability
- ✓ Designed to produce consistent coil weight
- ✓ Both clockwise and anti-clockwise coiling in one setup
- ✓ Compatibility with drums and formers of various shapes and sizes
- ✓ Rotating table for pattern-laid coils
- ✓ Pusher mechanism for convenient coil unloading
- ✓ Heavy-duty construction supports drums up to 1000 kg
- ✓ Straightforward adjustment for required cast & helix

TECHNICAL DATA

Wire Size:	Ø 2,0 – 5,5mm
Line Speed:	Up to 15m/s
Wire Types:	LC, welding
Block Diameter:	400 to 700mm
Drum Weight:	Up to 1000 kg
Max. Drum Ø:	1000 mm
Max. Drum Height:	1500 mm

Automatic Spooling Machine (ASPM)

Automated Spooling Equipment



Key Features

- ✓ Automated spool change for seamless transitions between spools
- ✓ The dual spool capacity accommodates up to 5 + 5 spools
- ✓ Automatic wire cutting ensures safety with precise length cuts
- ✓ Precision wire clamp for accurate stops
- ✓ Rapid 60-second changeover from full speed to stop and back again between minimizes downtime
- ✓ Unloading while in operation enhances efficiency

TECHNICAL DATA

Machine configuration:	Inline or re-spooling
Wire Size:	Ø0,5 to 2,0mm
Wire Speed:	25m/s
Wire Types:	HC, LC, Stainless Steel
Type of Spools:	H 460, plastic

