



Innovators in Wire Processing

PreFeeder 4700
Prefeeding Machine Dereeler Type

PREFEEDING

PreFeeder 4700

Concept

The PreFeeder 4700 is the ideal feeding system for high performance cable processing lines with spools weighing up to 1'000 kg. The system is characterized by a rugged construction and powerful drive. Various cable accumulating systems are available to achieve highly dynamic dereeling processes. An automatic interrupt-circuit guarantees safety when reaching the cable end or in the case of a faulty coil on the spool.

For easy spool handling, all required axes are motorized. They can be easily controlled by a simple remote control. Thanks to the special spool clamping concept, no heavy spool shafts or clamps have to be used.

Function

- Electrically actuated clamping system for the spool
- Electrically driven spool lift
- Continuous controlled drive of the dereeling axis with an electro-mechanical brake
- Process control with safety-circuits integrated with both the prefeeder and the processing line

Customer Benefit

- A powerful, highly reliable cable feeding system for spools up to 1'000 kg that improves the flexibility and quality of the whole production line
- Fast spool changeovers thanks to the simple handling and motorized axis
- Minimizes space requirements especially when using large, heavy spools
- For easy handling of heavy spools, an optional air cushion device is also available. This device makes it possible for a single person to perform spool changeovers

Options

- Various versions of pendulum arm control systems for inflexible cables up to 35 mm in diameter
- Pneumatic linear accumulator system for flexible cables up to 18 mm in diameter and low bending resistance
- Air cushion device for easy handling of heavy spools by only one person

Applications

- Cables on spools up to 1'000 kg and spool diameter of 1'260 mm

Technical Specifications

Spool Diameter	1'260 mm	
Spool Width	850 mm	
Spool Arbor Diameter	38 to 125 mm	
Spool Weight	1'000 kg	
Cable Diameter	18 mm	in combination with linear accumulator
	35 mm	in combination with pendulum arm systems
Max. Dereeling Speed	140 1'/min	
Cable Accumulator Volume	Depending on the control / storage system and system layout	
System Dimensions (L x W x H)	Dereeler	1'930 x 1'580 x 1'500 mm
	Pendulum arm control system	1'300 x 300 x 1'660 mm
	Linear storage system	980 x 340 x 2'400 mm
Power Supply	3 x 400 VAC, N / 32 AT, compressed air 6 bar	
CE-Conformity	The PreFeeder 4700 fully complies with all CE and EMC equipment guidelines relative to mechanical and electrical safety and electro-magnetic compatibility.	
Important Notice	Schleuniger recommends that wire samples be submitted in cases where there is doubt as to the processing capabilities of a particular machine.	

Sales and Service by:

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To Be Precise.