



## **PreFeeder 4850**

### **Prefeeding Machine Dereeler Type**

- Powerful and highly reliable feeding system for reels weighing up to 600 kg (1,320 lbs) with a maximum diameter of 1,070 mm (42")
- Choice of 3 different feeding directions
- Up to 280 rpm dereeling speed for feeding Schleuniger cut & strip and CrimpCenter machines
- Motorized axes for fast changeovers and simple operation
- Safety circuits with interface to downstream processing machines

PREFEEDING

# PreFeeder 4850

## Concept

The PreFeeder 4850 is a heavy-duty cable feeding system for cable reels weighing up to 600 kg (1,320 lbs). The system distinguishes itself through its simple design and ease of use. For easy reel handling and fast changeovers, all axes are electrically driven. The PreFeeder 4850 features a shaftless design for easy loading and unloading of reels.

The integrated cable accumulator controls the speed of the dereeling drive motor. Surveillance functions integrated into the control system ensure safe and reliable operation. With this concept, a cost efficient solution for a wide range of applications is achieved.

## Function

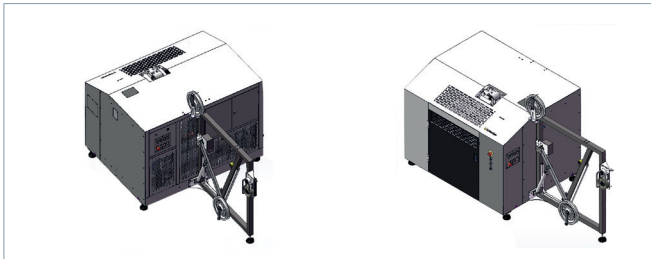
- Electric reel clamping system
- Electric reel lifting system
- Controlled drive of the dereeling system with integrated brake and reverse sensing system
- Pneumatic pendulum arm lift for easy loading of the cable and automatic loading function
- Surveillance functions and safety circuits with interface to downstream processing machines

## Customer Benefits

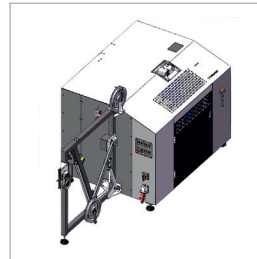
- The PreFeeder 4850 is a powerful cable feeding system with an excellent price to performance ratio
- Choice of 3 different feeding directions to meet individual customer's factory layouts
- High feeding dynamic allows higher production rates and increases the economic efficiency of the processing line
- Simple operation with motorized axes allows reel handling by one person
- Enhanced safety for the operator and the machine

## Options

- Accumulator for left side feeding (backside or right side feeding are standard)
- Centering cone sets (available in several sizes) to match the inner diameter of the cable reel arbor hole
- Custom made pulley sets for special cable types
- Roller Set (2 rollers) for 2 loop operation
- Roller Set (10 rollers) for 5 loop operation



Backside or right side feeding (standard)



Left side feeding (optional)

Technical Specification	
Reel diameter	400 – 1,070 mm (16 – 42")
Reel width	280 – 710 mm (11 – 28")
Reel arbor diameter	0 – 125 mm (1.6 – 5.0")
Reel weight	600 kg (1,320 lbs)
Maximum cable diameter	35 mm (1.4")
Maximum dereeling speed	Up to 280 rpm, adjustable for optimized feed dynamics
Interface	HS/PF standard, Emergency Stop
Cable accumulator volume	1,420 mm (56") with 1 loop (wire up to 35 mm (1.3")) *optional 2,900 mm (114") with 2 loops (wire up to 16 mm (0.6")) *optional 8,200 mm (323") with 5 loops (for smaller wires up to 6 mm (0.2"))
Dimensions (L x W x H)	Back feeding: 2,810 x 1,750 x 1,700 mm (110 x 68 x 67") Left/Right feeding: 3,170 x 1,450 x 1,700 mm (125 x 57 x 67")
Net weight	870 kg (1,918 lbs)
Power supply	3 x 400 VAC, N, 5 KW
Compressed air	6 bar (90 psi)
CE-conformity	The PreFeeder 4850 fully complies with all CE and EMC equipment guidelines relative to mechanical and electrical safety and electromagnetic compatibility.