



PreFeeder 4650
Prefeeding Machine, Dereeler Type

PREFEEDING

PreFeeder 4650

Concept |

The PreFeeder 4650 is the ideal feeding system for high performance cable processing lines with reels weighing up to 600 kg. The system is available in two versions. One version can feed fairly flexible cables up to 18mm in diameter. Another version can feed less flexible cables up to 35mm in diameter.

The system is characterized by rugged construction and a powerful drive. For easy reel handling, all axes are motorized. They can be easily controlled by a simple remote control. Thanks to the special reel clamping and lifting concept, no heavy reel shafts or clamps have to be used. For space saving, the cable accumulator is located on the top of the machine.

Function |

- Electrically actuated reel clamping system
- 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 600 kg that improves the flexibility and quality of the whole production line
- Fast reel changeovers thanks to the simple handling and motorized axes
- Minimized space requirements, a benefit mainly when using heavy reels

Options |

- Cable end control
- Centering cone sets for different reel arbor dimensions
- For small and flexible cables: Option Plus for an additional accumulator loop

Technical Specifications |

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| Reel Diameter | 1'050mm |
| Reel Width | 750mm |
| Reel Arbor Diameter | 38 – 125 mm / special dimensions on request |
| Reel weight | 600kg |
| Cable Diameter (to be defined at order) | 18 mm 35mm |
| Max Dereeling Speed | 190 1/min |
| Cable Accumulator Volume | 18mm-Version: 1.5 – 4.5m standard, optional up to 7.5m 35mm-Version: 1.5 – 3.0m standard, optional up to 6.0m Note: large and rigid cables are limited to 1.5m |
| System Dimensions (L xW x H) | 2'180 x 1'450 x 2'950mm |
| System weight | 625kg |
| Power Supply | |
| electric | 3 x 400 VAC + N 20 A |
| Compressed air | 6 bar |
| CE Conformity | The PreFeeder 4650 fully complies with all CE and EMC equipment guidelines relative to mechanical and electrical safety and electromagnetic compatibility. |

Technical Specifications subject to change © Schleuniger Group 3608 Thun, Switzerland / PF_4650_DS_EN_A4_V1

