



AutoCoiling System

Coil-Binding System for CrimpCenter

- Simple operation and set up via the CrimpCenter EASY software and touch screen interface
- Handles single wire applications with or without seals or terminals on either end
- High performance with minimal space requirements
- Excellent length accuracy due to servo motor and encoder combination

OPTIONS

AutoCoiling System

Concept

The AutoCoiling System for the CrimpCenter 6x series machines is ideal for long wire applications. The standard base machine conveyor is replaced by the AutoCoiling System to coil long wires automatically. It eliminates the need for extension conveyors and significantly reduces the floor space required for long-wire applications. Wire coils need little storage space and are easy to handle. The system will automatically coil, bind and batch long wires during production. After processing the leading wire ends on side 1 of the CrimpCenter, e.g. sealing and crimping, a linear gripper guides the wire from the cutting head and transfers it to the gripper of the coiling head. The subsequent feeding/coiling process is controlled by synchronized, high performance servo motors. After processing the trailing wire ends on side 2 the wire will be tied with adhesive tape and collected in the required order quantities.

Function

The system is synchronized with the rest of the machine to automatically coil long wires into a ring. It can handle wires from approx. 4 m (13.12 ft.) to more than 30 m (98.4 ft.) in length depending on the wire size. The coiled ring is secured by an integrated taping unit and taped coils are collected on the rotary stacking unit. The stacking unit has 2 collection arms that can be turned for easy removal of processed coils. While the coils are collected on one side, the coils from the previous batch are ready to be manually unloaded from the other.

Technical specifications	
Wire Length	From approx. 4 m to more than 30 m (13.12 ft. – 98.4 ft.) (depending on cable cross-section, sample inspection necessary)
Wire Cross Section	0.35 – 2.5 mm² (22 – 12 AWG)
Feeding Speed	Max. 9 m/s (29.5 ft./s) (depends on wire and wire packaging)
Dimensions (L × W × H)	1000 x 720 x 1700 mm (39.37 x 28.35 x 66.99") (complete with CoilTaper and CoilStacker)
Weight	approx. 175 kg (385 lbs.)
CE-Conformity	The AutoCoiling System installed on CrimpCenter fully automatic machines complies with all CE and EMC equipment guidelines relative to mechanical and electrical safety and electromagnetic compatibility.
Important Notice	Schleuniger recommends that wire samples be submitted in case where there is doubt as to the processing capabilities of a particular machine.