Stripping and Cutting Equipment for MV Cables

Production Lines and Technology (PL & T)

Following a long tradition of development, design and production of special machines for cable and pipe manufacturing at Nexans Germany in Hannover PL & T has established a competency center in Hannover providing a portfolio from special machinery, automation, welding technology and technical services.

With more than 60 years of industry experience PL & T, with a team of around 30 specialists, offers a wide range of machines and services from local to multi-national level.

Existing rewinding lines can be equipped with this stripping and cutting equipment in order to slice, strip and shred PE and thin metal jackets.

The PE sheaths are slit open by the cutting device and then separated from the cable core.

Thus the cable core remains untouched and can be re-used. The two semi-shells of the cable jacket are cut in pieces of approx. 200 mm lengths. Two band conveyer units transport the shredded plastic waste into containers.

Economic solution

- Can be integrated into existing line, no additional space required
- Cable core remains untouched and can be re-used
- Proper and sustainable disposal of the cable sheath

Innovative technology

- Modular and mobile machine concept
- Proper and sustainable disposal of the cable sheath
Productivity

- Production speed: up to 20 m per minute, depending on material, design and thickness
- Interface to the existing rewinding line for speed adjustment

Scope of supply

Cutting device

- Stable base frame
- Bed knife on console with guide rollers
- Manual adjustment of the bed knife
- Pneumatically movable top knife and guide rollers
- Counter sunken knives of the cutting device
- Integrated protection hood concept

Shredder table

- Stable base frame
- Welded steel housing cutting box
- In feed funnel
- Integrated electrical cabinet & control system
- Cutting knives
- Band conveyer
- Integrated protection hood concept
- Interface to the existing rewinding line

Technical Data

Machine

- Dimension (WDH entire units): 6,100 x 4,900 x 2,150 mm
- Machine direction: From left > right; different on request
- Machine centre height: adjusted to local condition

Cable specification

- Outer cable diameter: max. 100 mm
- Jacket thickness: 2.5 … 15 mm
- Jacket design: XLPE sheath and max. 0.2 mm Al or Cu tape

Process

- Production speed: max. 20 m/min
- Shredded cable jackets: approx. 200 mm long