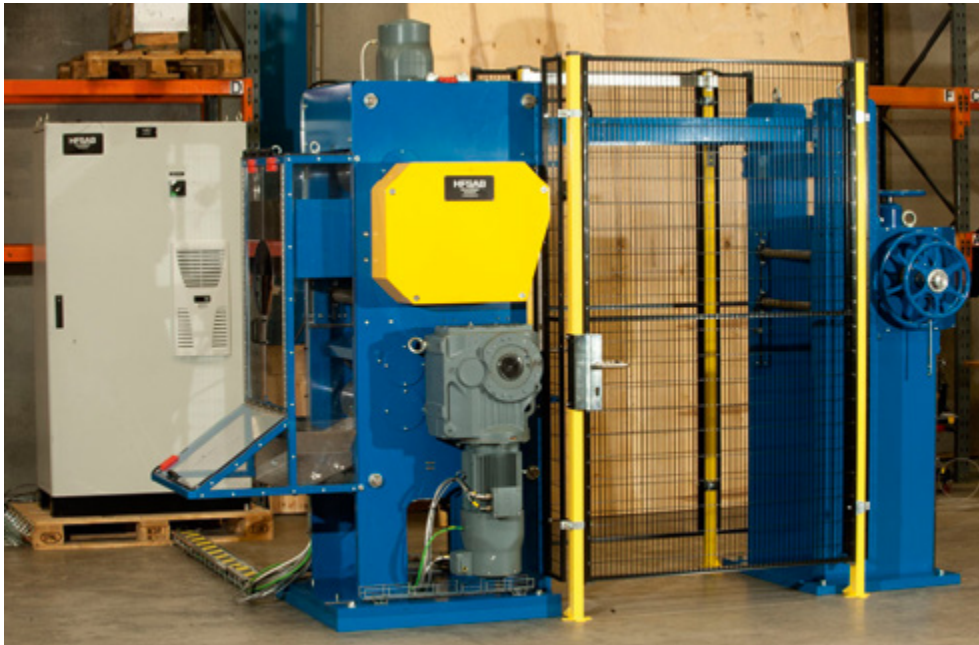


# How to exploit defective cables

## CRRS (Cable Repair and Recovery System) from HFSAB

At the NIEHOFF booth, the NIEHOFF partner company HFSAB will present a new CRRS cable stripping machine which can remove up to 40% more XLPE insulation (by volume) over the previous design.



The CRRS cable stripping machine is designed for cables with up to 180 mm diameter. It removes defective insulation layers without damaging the subsequent layer below.

### Careful removal of cable layers

As with the previous generation, the new CRRS is foreseen to remove individual layers such as, the outer jacket, lead sheath or triple layer XLPE insulation, without causing any damage to the subsequent layer below. As a result enabling the outer jacket, lead sheath or triple layer XLPE to be re-applied and the cable repaired. Even if the cable is just going to be scrapped, the metal price differences for insulated or un-insulated cables are very high and the CRRS would have a very short pay-back period because the metals which are to be scrapped command substantially higher prices when they are in their "bright" form.

### Application range

The CRRS machine on display is foreseen for cables with a voltage up to 220 kV and triple layer XLPE insulation with up to 25 mm radial thickness. The machine can also be used for the removal of outer sheathing materials such as HDPE with or without a bonded thin aluminum metallic sheath, PE, PVC

or Lead. The maximum outside diameter of the cable is 180 mm with a maximum thickness of material of up to 6 mm. The minimum cable diameter is 30 mm.

### NIEHOFF and HFSAB

HFSAB (H. Folke Sandelin AB) based in Motala, Sweden, builds lead extrusion systems for subsea cables, underground cables, high-voltage cables and cables for the oil and gas industry and builds CRRS (Cable Repair and Recovery Systems). For more than three years now NIEHOFF helps to market HFSAB products and acquired shares in this company. HFSAB, however, will be run as an independent brand.

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