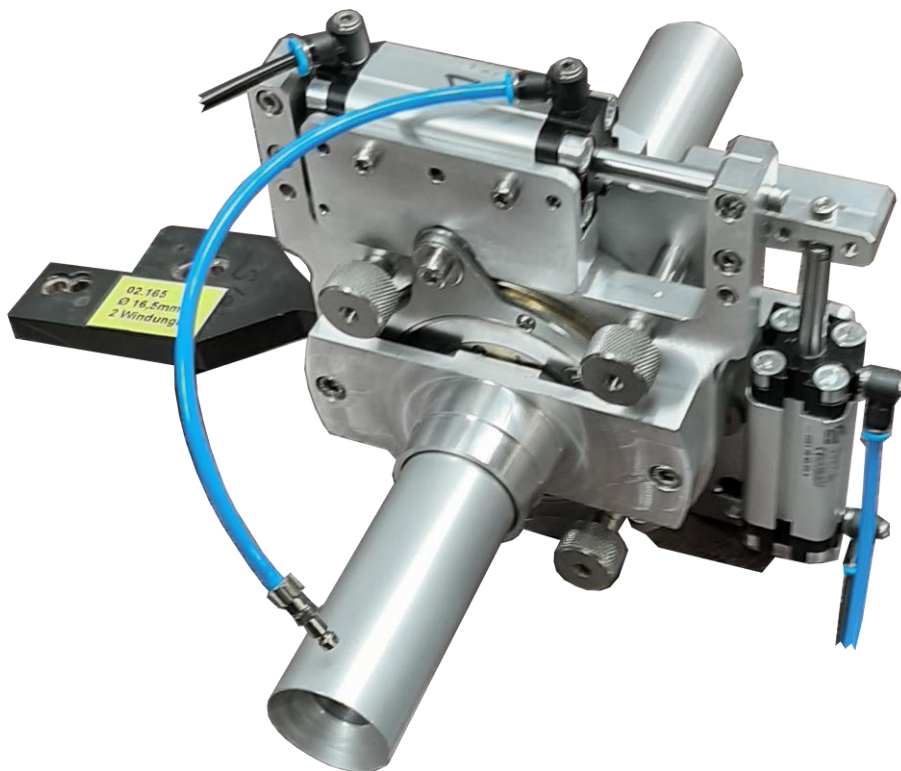

Foil and Fabric Processing



Inductor-Adapter
Block



Oscillator

BERI.MOD.MAGIC*¹

The Thermo-Module BERI.MOD.MAGIC within the Cable Processing:

The manual removal of foil or fabric from normal, coaxial, and high voltage cables, or from wire coatings for example, is laborious and time-consuming. When processing a cable, the first step is to strip completely the cable sheath which may not be desirable for subsequent processes.

The machine stripping – for example with rotating blades – forbids itself because the danger of micro-injuries on the layers under the foil cannot be reliably avoided.

The new thermo-module BERI.MOD.MAGIC for generating warmth by means of an electromagnetic alternating field avoids these disadvantages. It is universally applicable in production lines, or as attachment for current processing machines. The foil-processing-machine BERI.MACH.MAGIC (see next page) incorporates this thermo-module.

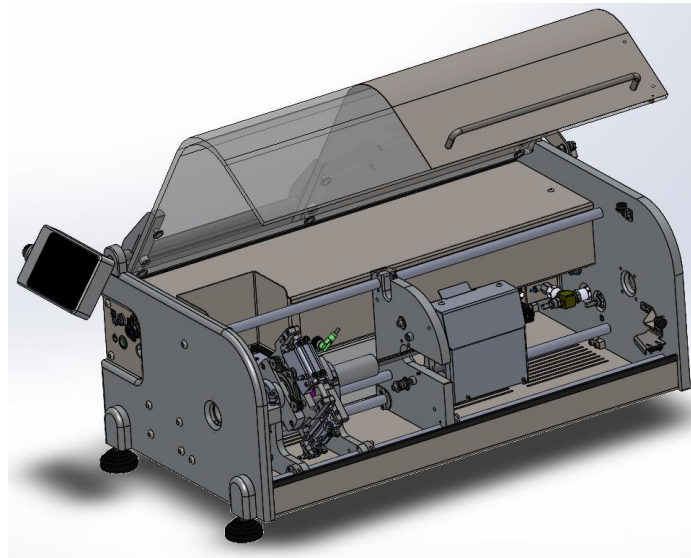
The operating principle is as follows: by heating the metallic parts within hoses, pipes, catheters, wires, cables, or any other bar-shaped and linear mounted materials, the adjacent thermoplastic layers are pre-damaged through heat transfer. This simplifies the stripping, for example, of foils, fabrics, or any other layered materials during the following processing step. The operating principles also functions with non-stripped wires.



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¹ * Figure without cooling unit. Preliminary technical clarifications are necessary for the installation of the system.

The following example shows a the BERI.MACH.MAGIC machine with the integrated thermo-module BERI.MOD.MAGIC.



BERI.MACH.MAGIC with integrated thermo-module BERI.MOD.MAGIC

The heat transfer originates an initial damage of, for example, a foil. This enables an easy stripping. A special feature of this is that the introduction of warmth takes place through the non-stripped cable sheath.



Example HV-cable with foil consisting of thermoplastic and metallic parts



Example HV-cable with fabric used as separation aid



Example copper wire with isolating varnish

Advantages and Special Features

- Contactless pre-damage of foils, fabrics (e.g., within the function of separation aid), or of coatings, such as lacquer² etc.
- No pre-stripping of cable sheath necessary
- Safe and cost-effective design
- Universally applicable in production lines, either as attachment or integrated into processing machines

Technical Information

If necessary, the full thermo-module system BERI.MOD.MAGIC is offered. It consists of:

- The mechanical unit; the inductor-adapter block; adapted to the geometrical conditions, the oscillator, the cooling system and the control system, adaptable to a master-slave system

² Precondition: Foils and fabrics (with thermoplastic parts), or coats such as lacquer, etc., are in direct contact with layers with metallic parts