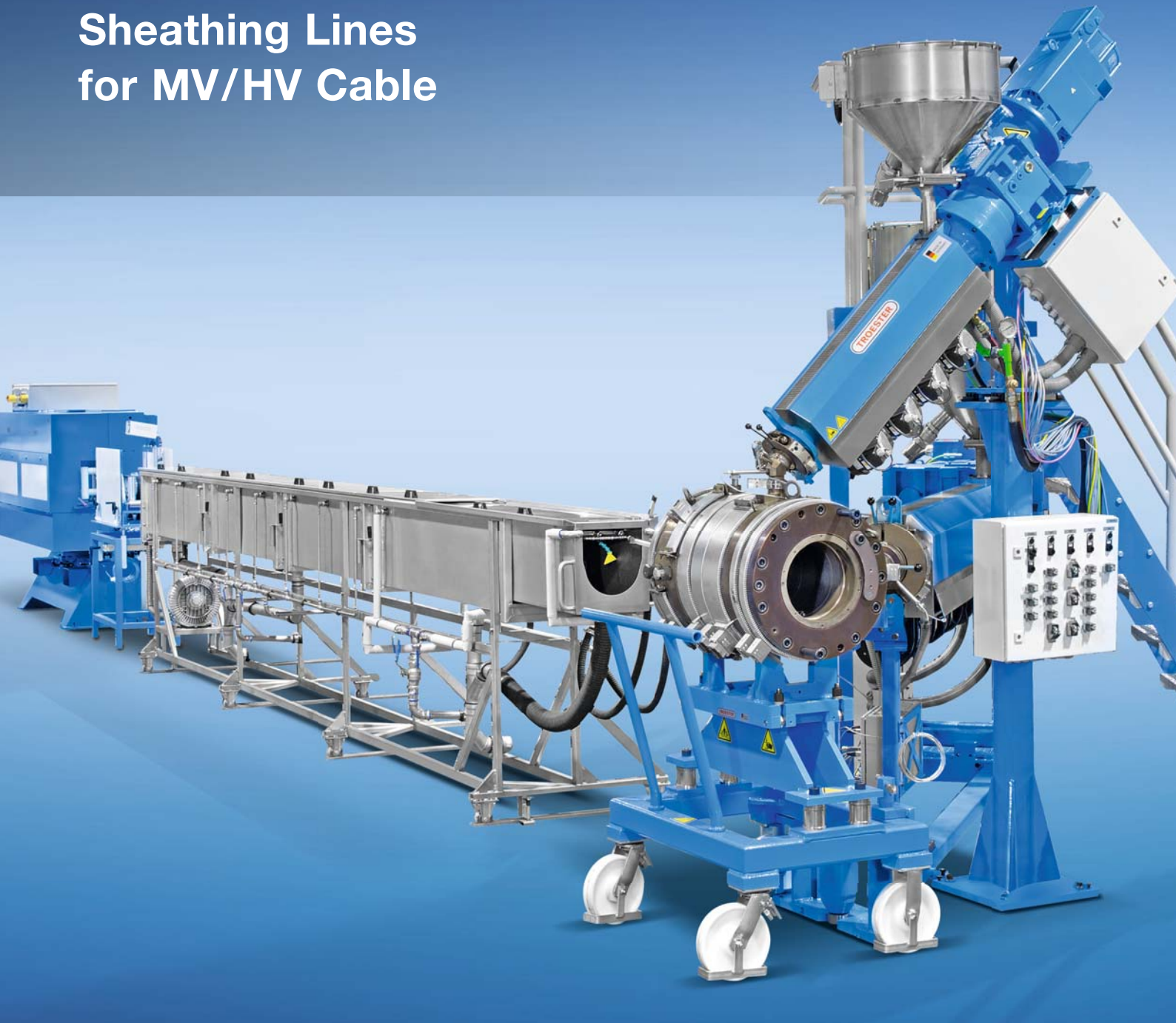


# Sheathing Lines for MV/HV Cable



**TROESTER**

EXCELLENCE IN EXTRUSION.

# Sheathing Lines for MV/HV Cable

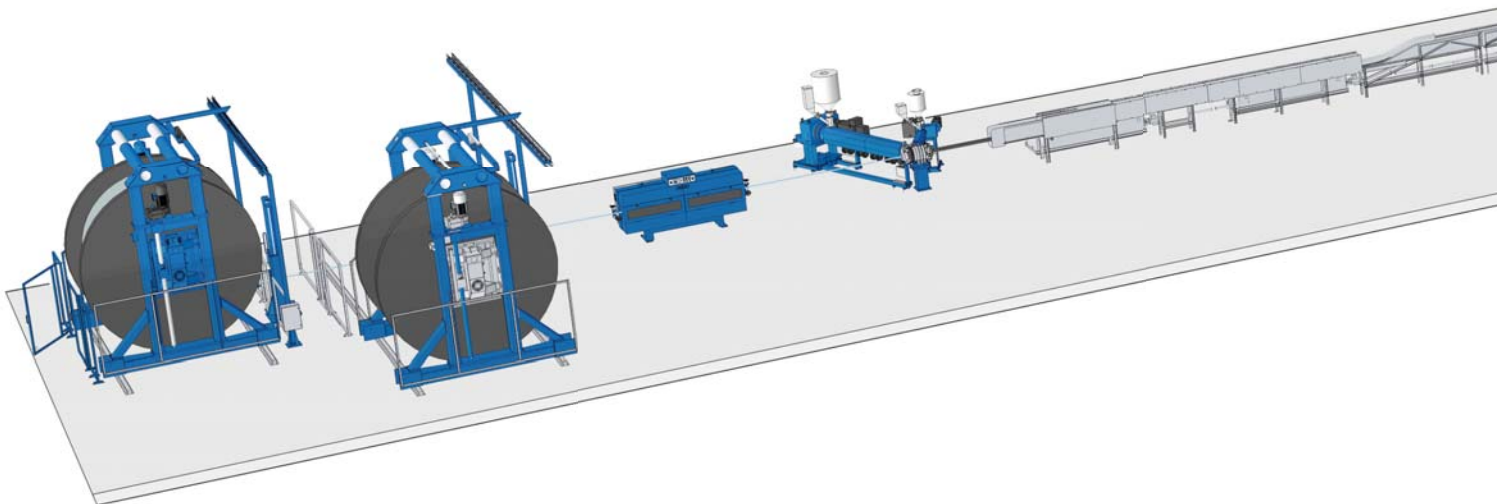
**As one of the leading suppliers for CCV and VCV lines for the production of Medium, High and Extra high Voltage Cables, TROESTER is well familiar with the production and handling of large and heavy cables.**

This experience makes TROESTER also first choice as supplier for the extrusion lines to apply the sheathing over these cables, which is required one or more times during the manufacturing process of the complete cable.

Heavy duty machinery for handling cables up to weight of 100 kg/m is required in each single step, from the payoffs to the caterpillars, through the cooling trough up to the take-ups at the end of the process. In that environment TROESTER feels comfortable: Pay-offs and Take-ups for drums up to 50 tons and diameter up to 5 m, caterpillars for cable diameters up to 250 mm, special cooling trough systems and other machinery meets well the requirements for such production.



Extruder Group

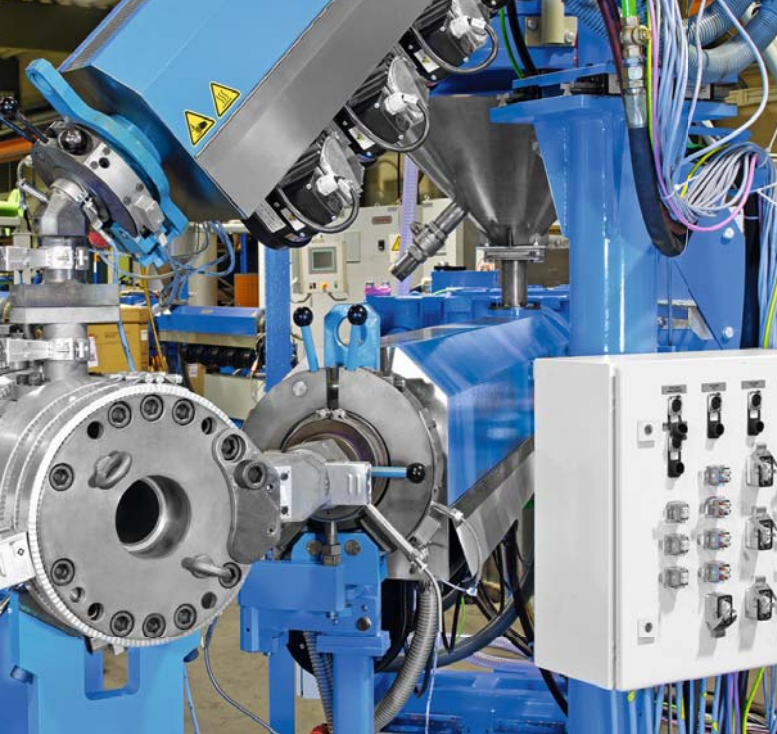


The TROESTER cable lines, which are designed for a wide range of applications, stand out by the excellent tolerances achieved in sheathing with PE, PVC as well as halogen-free and flame-retardant materials. They ensure very good product uniformity at high production speeds.

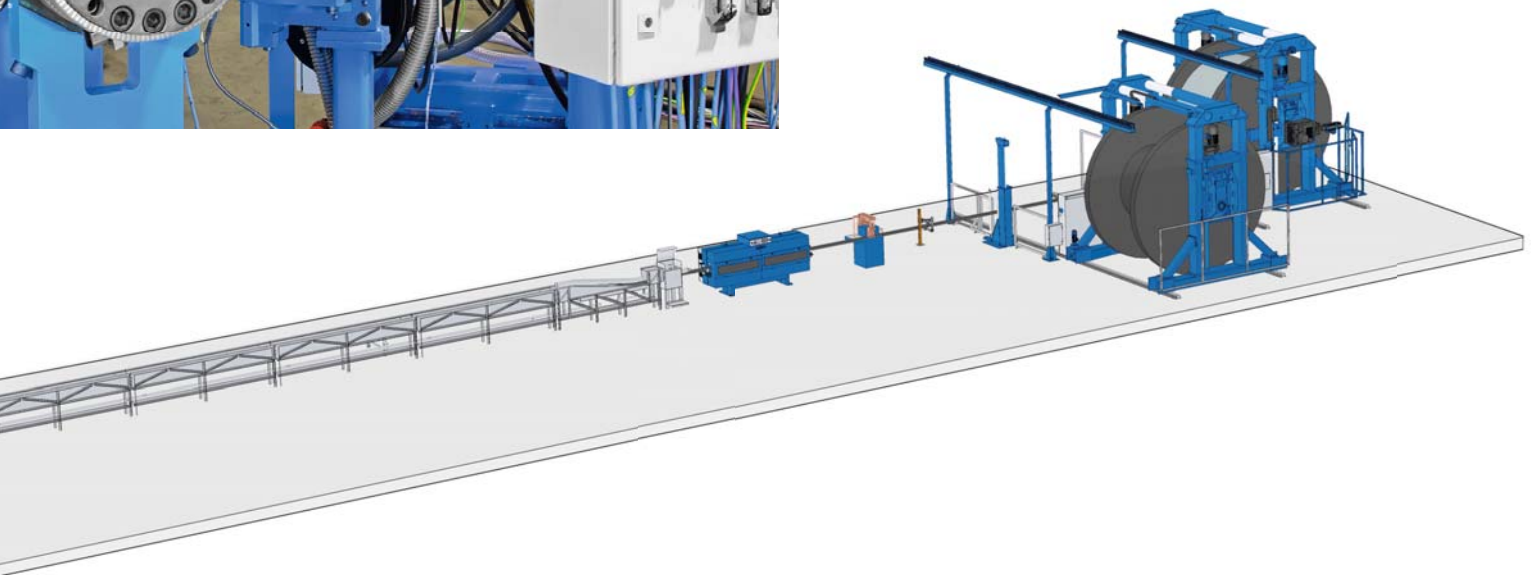
A TROESTER-developed control system, optimally matched to each line, ensures safe and easy handling and operation.

Portal Winder TABA/TAFA 5050





Tape  
Applicator



### Main Advantages of TROESTER Sheathing Lines

- > Efficient production of cables over a chosen production range
- > Specially designed heavy-duty caterpillars, winders and cooling troughs for handling cables of max. cable weight of 100 kg/m
- > 2-layer sheathing with additional stripe or skin layer in one cross head
- > Maintenance head trolleys for dual use as fixed point console in the line
- > Optimized cooling through design for the best cable quality and fastest line speeds
- > Perfect cable surface treatment with specially designed spray or immersion cooling section
- > Smooth cable guiding inside the cooling trough directly after the cross head through specially designed height adjustable sliding plates
- > Step cooling with different temperature controlled cooling sections to minimize shrinkage of the cable
- > Cable trolleys over the cooling through for better handling of heavy cables
- > Optimized control of cable tolerances in combination with eccentricity and diameter measuring systems
- > Easy integration of inline aluminum-tape application systems
- > Easy integration of downstream equipment like calibrated length measuring units, meter marker, inkjet printer or spark tester
- > user-friendly, state-of-the-art line control



Cooling Through



Cooling Through

## Line Characteristics (Example)

Max. Cable Diameter	mm	220
Max. Cable Weight	kg/m	100 or more on request
Wall Thickness	mm	up to 15, 1 or 2 layers
Main Sheathing Extruder		PXA 200/25 D
Skin/Stripe Extrusion		with optional auxiliary extruder
Materials		PE, PVC, FRM



Single Cross Head  
Qu 80 E on maintenance  
trolley

All major companies active in Submarine Cable production operate heavy duty caterpillars on their production sites not only to hold and guide the cables through the extrusion line, but also to transport the cable through the manifold ways of production inside and outside the cable factory. For that, weather proof equipment is available upon request.



Belt-type Caterpillar  
AGP 270/33  
for submarine cables

# TROESTER

EXCELLENCE IN EXTRUSION.

**TROESTER GmbH & Co. KG**  
Am Brabrinke 1-4  
30519 Hannover, GERMANY  
Phone +49-511-87040  
Fax +49-511-864028  
E-mail [innovations@troester.de](mailto:innovations@troester.de)  
[www.troester.de](http://www.troester.de)

**TROESTER Machinery, Ltd.**  
300 Loomis Avenue  
Cuyahoga Falls, Ohio 44221, USA  
Phone +1-330-928-7790  
Fax +1-330-928-7239  
E-mail [info@troester-usa.com](mailto:info@troester-usa.com)  
[www.troester-usa.com](http://www.troester-usa.com)

**TROESTER Machinery (Shanghai) Co., Ltd.**  
Workshop No. 1, Area C  
No. 6999 Chuan'sha Road, Pudong  
Shanghai 201202, PR CHINA  
Phone +86-21-58598308  
Fax +86-21-58598310  
E-mail [info@troester.cn](mailto:info@troester.cn)  
[www.troester.cn](http://www.troester.cn)

**TROESTER Moscow**  
RUS-Moscow, 109815  
Phone +7-495-76014233  
E-mail [lusia13710@mail.ru](mailto:lusia13710@mail.ru)

**X-Compound GmbH**  
Hardmatt 932  
CH -5082 Kaisten, Switzerland  
Phone +41-62-869 10 30  
Fax +41-62-874 32 08  
E-mail [info@x-compound.com](mailto:info@x-compound.com)  
[www.x-compound.com](http://www.x-compound.com)