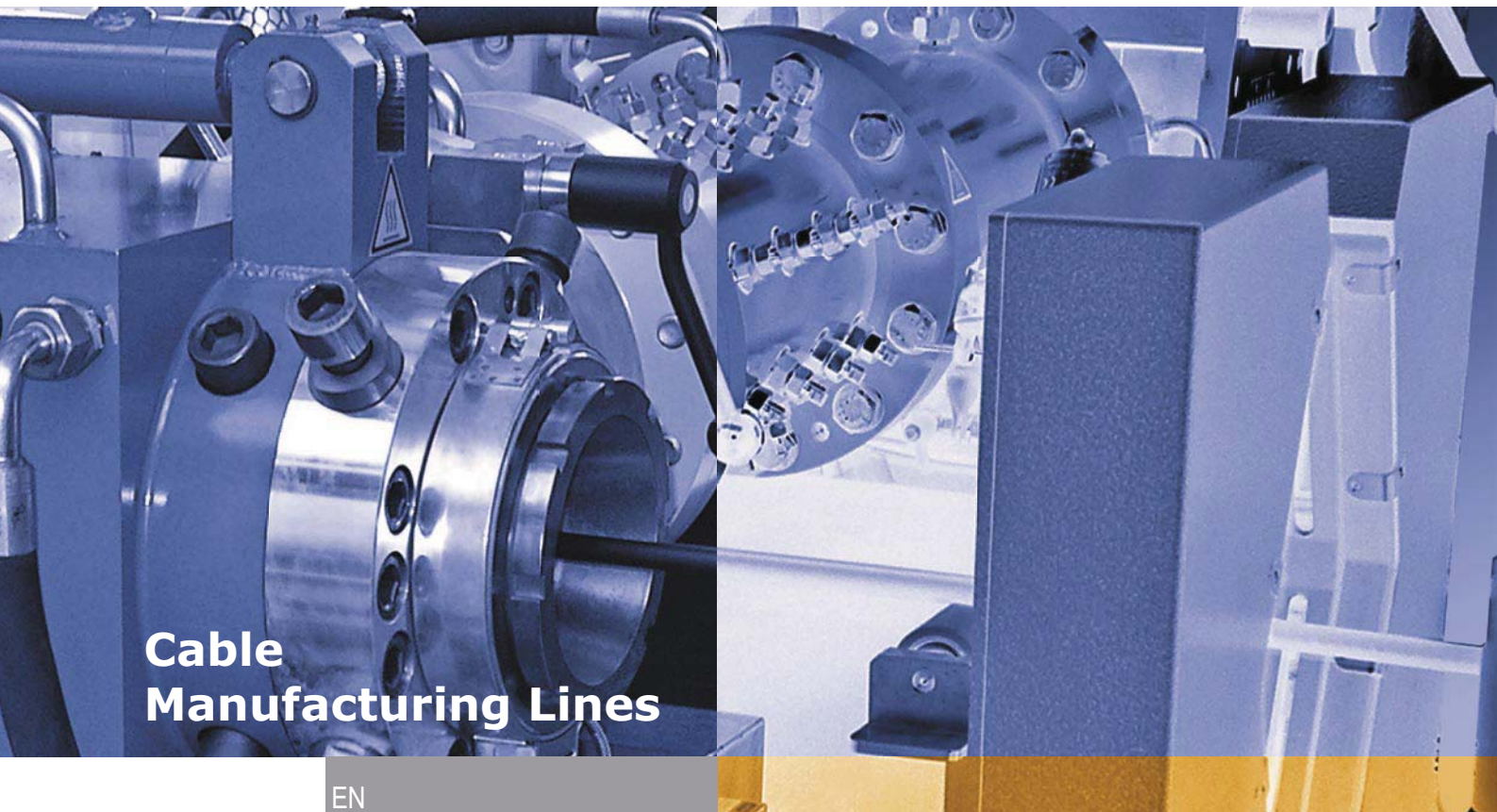




## Tailor-made Rubber Extrusion



**Cable  
Manufacturing Lines**

EN

# Extruders for Cable Sheathing

rubicon manufactures particularly adapted extruders and extrusion heads for the production of rubber or silicone-covered cables, cores and conductors.



## Rubber Extruders

- Sheathing with rubber for flexible and thermally as well as mechanically strongly stressed cables
- High output
- Minimal pressure and compound temperature fluctuations
- Optimally adapted to the product to be manufactured
- Screw and barrel geometry suited to the material
- Latest control system
- Easy handling and low-maintenance design
- Sizes from 32 up to 150 mm screw diameter
- Screw lengths from 12 up to 16 D

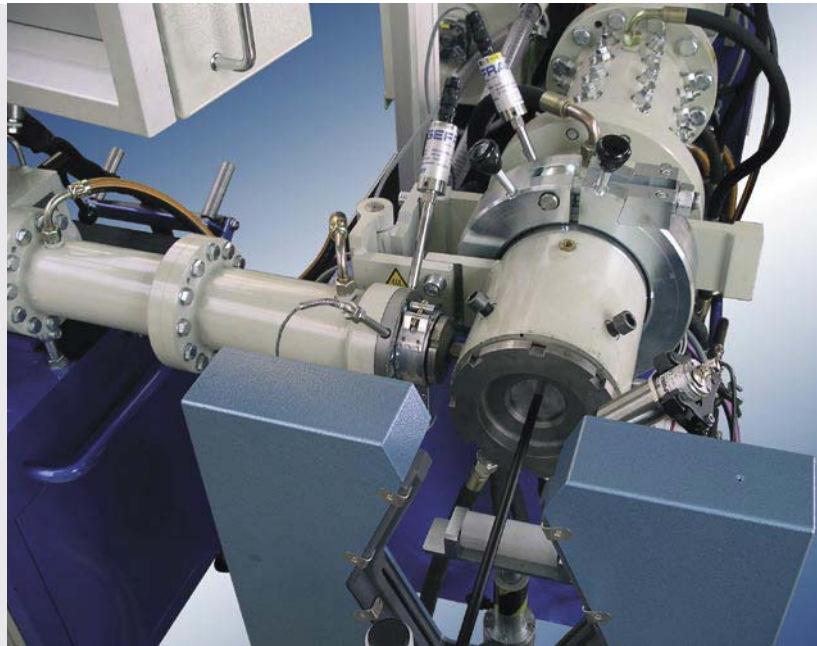
## Silicone Extruders

- Sheathing with silicone for the usage of the cables at high temperatures and high voltages
- Compact design
- Screw and barrel design suited to the processing of the silicone rubbers
- Special feed roll design allowing easy cleaning during the change of material
- Water cooling with temperature control of screw, barrels and extrusion head
- Sizes from 32 up to 125 mm screw diameter
- Screw lengths of 12 and 14 D



## Coextrusion Units

- For the production of multi-layer sheathings
- Extrusion of multiple layers in one process
- Predominantly used as duplex or triplex systems
- Application of different colour coatings or strips
- Variable line structure because of movable arrangement of the extruders
- Place saving line system by usage of a vertical extruder possible



## Extrusion Heads

- Optimally adapted to the product to be manufactured
- Ideally designed flow channels
- Innovative design allows the application of extremely thin and even layers
- With centring for the production of uniform outer diameters
- Easy handling and cleaning
- Short changing times
- With or without hydraulically moveable cone
- Optional with connection for following pressure salt bath line



# Vulcanization Systems for Cables

With the manufacturing of cables continuous vulcanization systems are used. The choice of the method is based on the material of the sheathing.

## rubicon Infrared Tunnel for Silicone Cables

### Characteristics

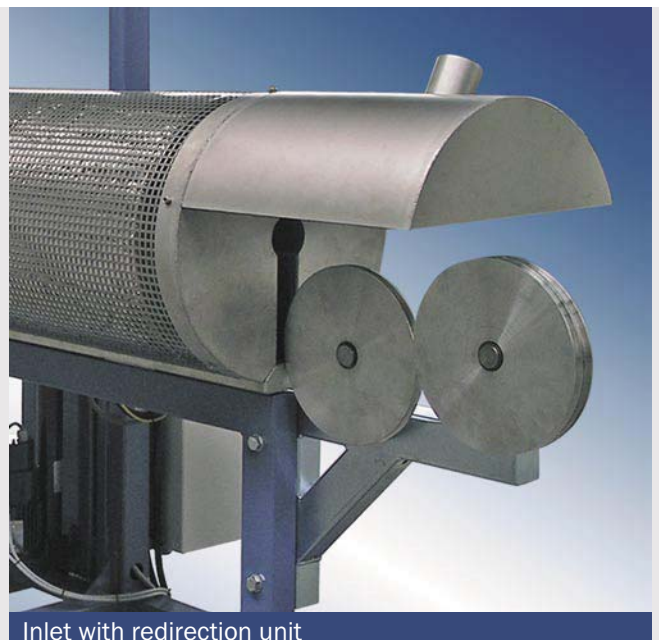
- Compact design
- Flexible combination by modular construction depending on production speed requirements
- Low energy losses by high-quality heat insulation
- Short heating-up time
- High safety standard
- Simple operation and cleaning
- Space saving vulcanization by multiple throughput of the cable



Infrared vulcanization tunnel H-IRT 19/2

### Performance

- Heating by six high-performance metal tube emitters
- Circular arrangement of the emitters allows an even vulcanization from all sides
- Monitoring of the emitter temperature via temperature sensor
- Suction hoods at inlet and outlet for removal of developing vulcanization fumes
- By electric actuator driven positioning unit for the opening/lifting of the tunnel



Inlet with redirection unit

The silicone extrusion line is particularly suitable for the processing of peroxide and platinum crosslinked silicones.

### Field of Application

- Applicable for the vulcanization of silicone cables and wires
- Possibility of combination of several tunnels for the extension of the treatment channel
- Flexible completion with redirection units at in- and outlet as well as cable guidances between the tunnels for multiple throughput of the cable



### Technical Data

Power	19 kW
Heating	6 pcs. metal tube emitters each 3 kW
Heated length of emitter	1900 mm
Max. emitter temperature	750 °C
Inlet aperture	Ø 80 mm
Max. possible throughput	3-fold
Drive positioning unit	Electric actuator
Dimensions	
Length	2200 mm
Width	1120 mm
Height	2010 mm
Throughput height	1000 mm

## rubicon Pressure-less Salt Bath Vulcanization

rubicon offers pressure-less salt bath vulcanization lines for the continuous vulcanization of rubber coated cores.



Salt bath vulcanization line

- Pressure-less salt bath line for the vulcanization of cable sheathings
- Suitable for sulphur and peroxide cured compounds
- Excellent product surfaces
- Salt bath lengths of 15, 20 and 26 meters
- High line speeds
- Salt bath temperature up to 250 °C
- Electrically or gas heated

- With following washing unit for cleaning the cable of adhering salt
- Cooling of the endless cable by following cooling unit
- Environmentally friendly and economically due to minimum salt loss by conditioning of the washing water in an innovative salt recycling system



Salt recycling system

## Feeding and Downstream Equipment

rubicon offers in addition to single machines also complete production lines for cables from a single source. The completion of the lines takes place according to the requirements and desires of the customer with the appropriate feeding and downstream equipment.



The production lines can be completed among others with the following equipment:

- Unwinders for cables and cores
- Feeding devices
- Diameter measuring units
- Printers for cable marking
- Infrared shock tunnels
- Cooling devices
- Caterpillars
- Powder Coating Device
- Winding-up units
- Storage devices
- Spark tester

## Contact

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