

HIGHEST QUALITY AND SAFE PROCESSING

DISCOVER OUR EXTRUSION LINES FOR
SILICONE PROCESSING

A large industrial machine for silicone processing, featuring a grey frame, a blue motor, and a control panel with a screen and buttons. The machine is mounted on a sturdy base with four legs. A blue banner is overlaid on the left side of the machine.

KraussMaffei
Pioneering Plastics

ENGINEERING HIGHLIGHTS SILICONE RUBBER IN KRAUSSMAFFEI QUALITY

Silicone rubber lends itself to a wide variety of uses. Thanks to its many different characteristics, it offers ideal solutions for the most varied applications.

KraussMaffei product portfolio includes machines and lines designed for the extrusion of solid silicone rubber hoses and profiles. Engineering and construction of such machinery require in-depth material know-how and extensive manufacturing expertise. This is why only highly innovative and well-experienced companies are successful in this sector. KraussMaffei machinery meets the most exacting requirements in the extrusion and vulcanization of premium-quality hoses and profiles.

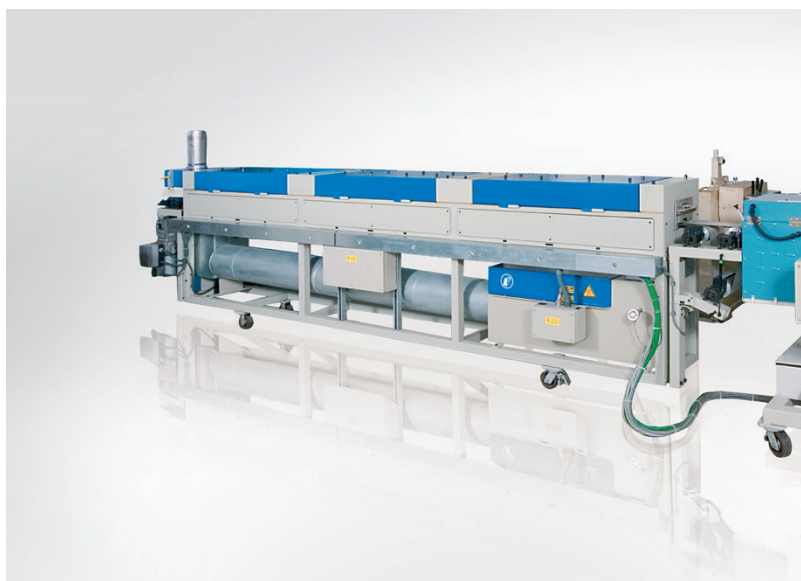
Highly qualified project teams and well equipped trial facilities make KrausMaffei an ideal partner for silicone rubber processing – right from the development stage throughout the actual production process.

Boosting your competitive edge and business success!

KraussMaffei extruders are equipped with an innovative cooling system to give maximum output rates when processing solid silicone rubber. This ensures that the rubber temperature is kept below the peroxide decomposition temperature and premature material cross-linking is avoided.



Extruder for silicone rubber processing



DESIGN FEATURES ENGINEERING HIGHLIGHTS

Extruder

- Extruder sizes of 30–120 mm screw feeder diameter and with an L/D-ratio of 10, other extruder sizes and lengths on request
- Screw feeder geometries with high intake volume tailored to the processing of silicone rubber
- Barrel, screw feeder, die, feed zone and feed roll are all cooled to maximize output rates

Shock module

- Pre-vulcanization at temperatures of up to 600°C by means of black body ceramic infrared heaters or short-wave infrared radiators
- Contactless material passage to avoid damage to the product outside

Hot-air channels

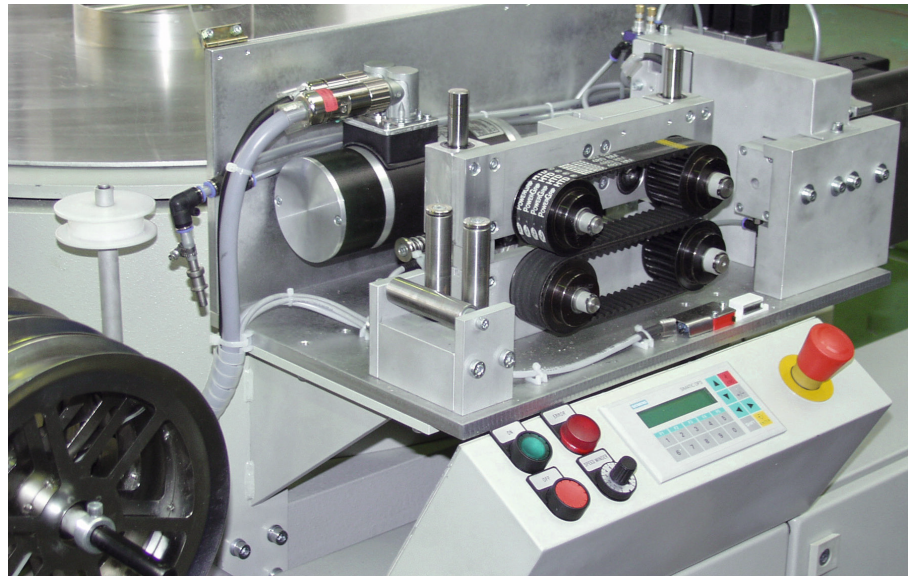
- Short heating times, direct heating of the channel air
- Precise product transport using mesh steel conveyor belts
- Conveying speed controlled in a range between 0.5 and 30 m/min, higher speeds are optionally available
- Easy access
- Recovery and re-use of generated heat



Shock module



Extrusion line for the production of silicone hoses

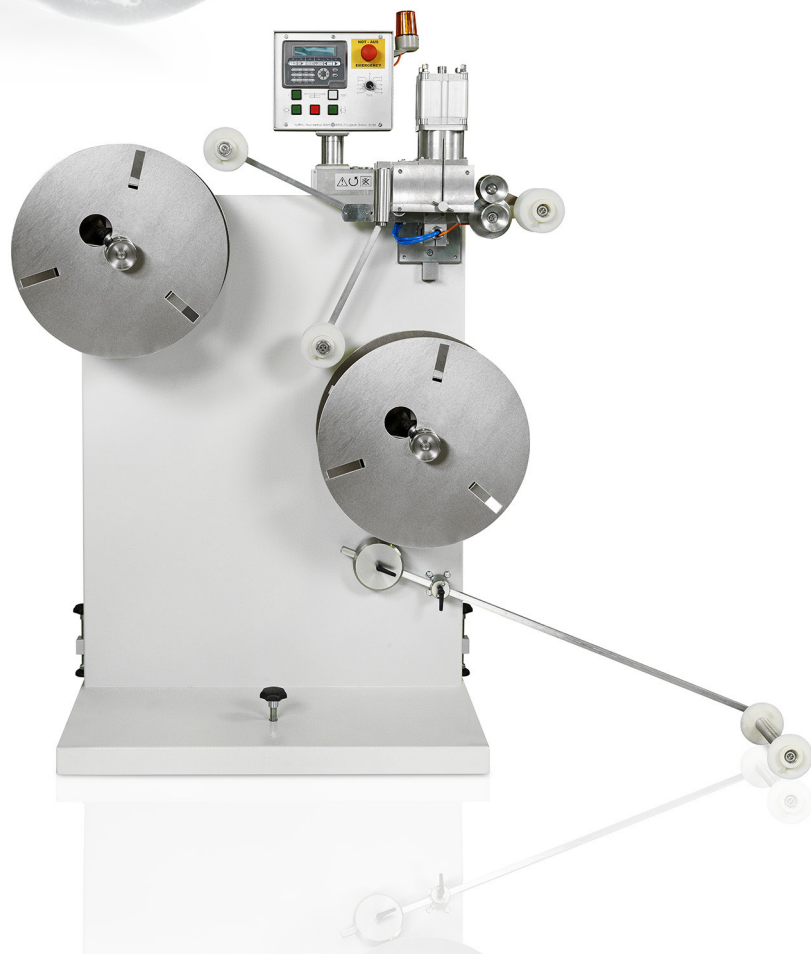


Unwinder with cutting unit

TECHNICAL DATA PROFILE LINE SILICONE HOSE



Silicone hoses Ø 5-25 mm with and without reinforcement, other sizes on request

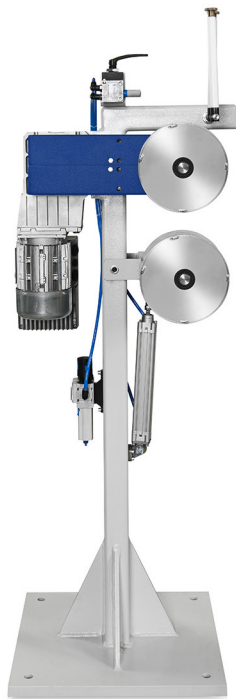


Compact profil line for the production of silicone hoses with vertically arranged shock module

Profile line

The profile line can be designed horizontally as well as vertically. The alignment of the shock module is essentially based on the profile geometry.

As a system supplier, KraussMaffei offers all the components of an extrusion line, starting with feeders, extruders, shock modules, hot-air channels, cooling sections, take-off devices and final assembly.





KRAUSSMAFFEI –
PIONEERING PLASTICS



Extensive expertise from a single supplier

KraussMaffei is one of the world's leading manufacturers of machinery and systems for producing and processing plastics and rubber. Our brand has been synonymous with cutting-edge technology for over 180 years. Our product range includes all technologies in injection molding, extrusion and reaction process machinery. KraussMaffei has a unique selling proposition in the industry as a result. By drawing on our proven innovative capacity, we can guarantee our customers sustained additional value over their entire value-adding chain through our standardized and individual product, process, digital and service solutions. The range of our products and services allows us to serve customers in

many sectors including the automotive, packaging, medical and construction industries. We also supply manufacturers of electrical and electronic products and household appliances.

At your service all over the world

KraussMaffei is represented all over the world. Subsidiaries provide you with support in the countries shown in light blue. Our sales and service partners take care of you in the regions shown in white.

You can find all contact information at
www.kraussmaffei.com

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