



High-quality sealings for the
building and automotive industry
Rubber profile
manufacturing lines

Engineering Value

Krauss Maffei
Berstorff

Our profile manufacturing lines – the perfect interaction of extrusion and vulcanization technologies

High product quality, maximum output rates and short retooling times are fundamental prerequisites for cost-effectiveness in the production of sealing profile with or without steel reinforcement. To achieve these objectives, perfect matching of all components in a profile manufacturing line is a must.

KraussMaffei Berstorff offers the ideal solution for this application: extruder, vulcanization process and downstream equipment as a one-stop package. All machines and systems involved are developed by KraussMaffei Berstorff or designed in close cooperation with renowned suppliers. As installation and after-sales service are performed by KraussMaffei Berstorff experts, perfect interplay between the individual line components can be taken for granted.

Extrusion technology

- Wide range of extruders tailored to specific rubber compounds
- Low maintenance requirements, high output rates and low operating cost
- Easy-to-operate machinery
- Low-wear screws and barrels for high machine availability
- Easy access to all machine components for servicing and maintenance

Extrusion head

- Optimized flow channel geometry
- Easy head opening
- Rapid tool change

Shock module

- Pre-vulcanization at up to 600 degrees using short-wave infrared radiators or optionally ceramic dark radiators
- Contactless material passage
- Modular design for retrofitting into existing lines



Microwave channel

- Optimum energy transfer into the product thanks to energy supply points arranged in central position at the top side of the channel (in 6 kW systems)
- Efficient hot-air guiding with optimum flow speed
- Easy cleaning and maintenance thanks to the pneumatic door adjustment
- Minimum microwave leakage radiation
- Equipped with PLC
- Compact design with integrated control system
- Pre-tested and delivered ready to plug in

Hot-air channel

- Electric or gas heating
- Short heating times and direct channel air heating
- Precise profile transport
- Easy adaptation of belt speeds to process requirements considering profile elongation and shrinkage
- Easy access thanks to the pneumatic door adjustment
- Recuperation and recycling of the generated heat

Cooling channel

- Tailored to the compound properties and profile thickness
- Combined immersion and spray cooling
- Horizontal and vertical roller guiding at the inlet and outlet sides
- Blow-off station with flexible drying air nozzles

In addition, we design and build future-oriented technological solutions for the incorporation of steel reinforcements, flocking devices, co-extruders, winding and cutting machines as well as measuring devices for your specific profile production.



Your advantages:

- Outstanding accessibility
 - Service friendliness
 - Intelligent, user-friendly control system
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Rubber profile manufacturing lines

KraussMaffei Berstorff profile manufacturing lines are ideal for the production of high-quality sealing profiles. Thanks to the high degree of automation, these lines are easy to operate and can be used for the production of mono or multicomponent profiles. KraussMaffei Berstorff lines perfectly meet the most exacting standards in terms of efficiency and reliability – starting from the extruder right through to the winding system.



OEE Plus
Boosting cost-efficiency for you

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