

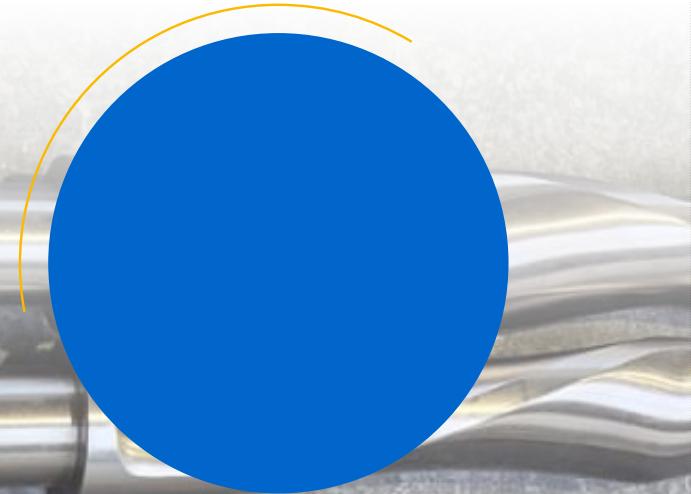


**Screws & Barrels for  
Rubber and Elastomers**

# About GTS & Our Expertise in Elastomer Extrusion

For over 30 years, GermanTwinscrewS GmbH has combined German engineering with deep process know-how. Today, our screw and barrel systems are trusted worldwide in the processing of rubber and elastomers from automotive seals to cable insulation and technical profiles.

Elastomers require more than power, they demand torque, wear resistance, and stable temperature control. With our guiding principle **Heart of Extrusion** and our commitment to Green German Technology, we ensure long-term efficiency and sustainability.



# Technologies for Rubber & Elastomers

## The Right Solution for Every Process

### Cold Feed Extruder:

Rubber is fed in strip form at room temperature. The extruder provides the full plasticizing and heating process. This has become the industry standard due to simpler logistics and higher energy efficiency.

### Hot Feed Extruder:

Rubber is preheated and plasticized in a mill before entering the extruder. Although less common today, it remains valuable in specialty applications requiring high pre-shear or unique compound characteristics.

### Pin/Barrel Extruder:

Equipped with fixed pins inside the barrel to interrupt material flow. This creates intensive mixing and heat transfer, producing highly homogeneous compounds. Widely used in tire compounds, cable sheathing, and technical rubber goods.

### Kneader (Internal Mixer):

Essential for compounding elastomers with fillers, oils, and additives. Provides strong dispersive mixing, ensuring even distribution of carbon black, silica, or other fillers before extrusion. Frequently used as a pre-stage in rubber processing.

With GTS, you receive screws and barrels engineered for every one of these technologies — durable, efficient, and tailored to your material





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We invite you to contact us to learn more about our products and services. Our team is ready to discuss your specific requirements and offer customized solutions.

Best regards,

Your GermanTwinscrewS GmbH Team

♥ of Extrusion

