



**HEART OF
EXTRUSION**

WHO IS GTS?

Since our founding in 1995, we have specialized in the design, manufacturing, and installation of high-quality screws and barrels. With over 30 years of experience, we serve customers in more than 100 countries, combining deep theoretical knowledge with practical expertise in plastics processing.

Our guiding principle: "German advancement in every rotation"

Our commitment to continuous innovation ensures that we constantly improve efficiency and performance across all our products. We prioritize energy optimization and environmental responsibility, delivering solutions that reduce operational costs and minimize environmental impact.

With the highest quality standards and an unwavering dedication to reliability, we aim to meet and exceed the expectations of our clients. Our mission is to provide cutting-edge technologies that drive success and sustainability in the industry.



Our Products and Services

GermanTwinscrewS - Innovative Extrusion Technology for Maximum Efficiency

Innovation through Technology: With advanced process analysis and design optimization, GTS consistently sets new industry benchmarks, delivering tailored solutions for all plastic processing applications.

Counter-Rotating Twin Screws:

Our counter-rotating twin screws offer excellent material handling and high performance for processing powdered plastics, particularly in PVC manufacturing. With precise design and efficiency, they have become the industry standard, delivering reliable and powerful solutions. Compatible with all leading extruder brands, they ensure seamless integration into existing production systems.



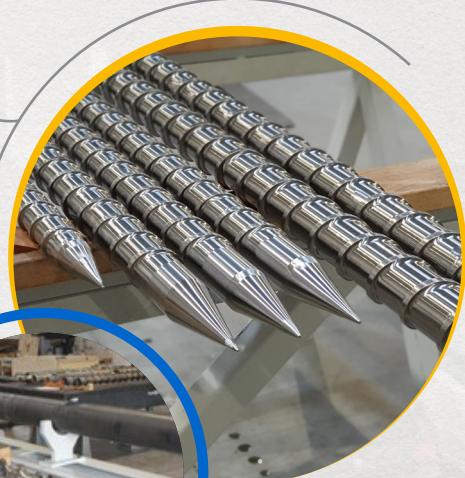
Co-Rotating Twin Screws:

Our co-rotating twin screws and barrel sections have been a proven solution in the petrochemical industry for decades. With diameters ranging from <170 mm to 420 mm, they provide exceptional reliability and longevity. They optimize production processes, enhance efficiency, and are built for high-output polyolefin production, requiring minimal maintenance.



Single Screws:

GermanTwinscrewS manufactures high-quality single screws and barrels for a wide range of applications, from laboratory use to large-scale petrochemical production. With decades of experience in rheology and fluid mechanics, our single screws ensure maximum efficiency, durability, and uniform extrusion — driving continuous process optimization.



Petrochemical industrie

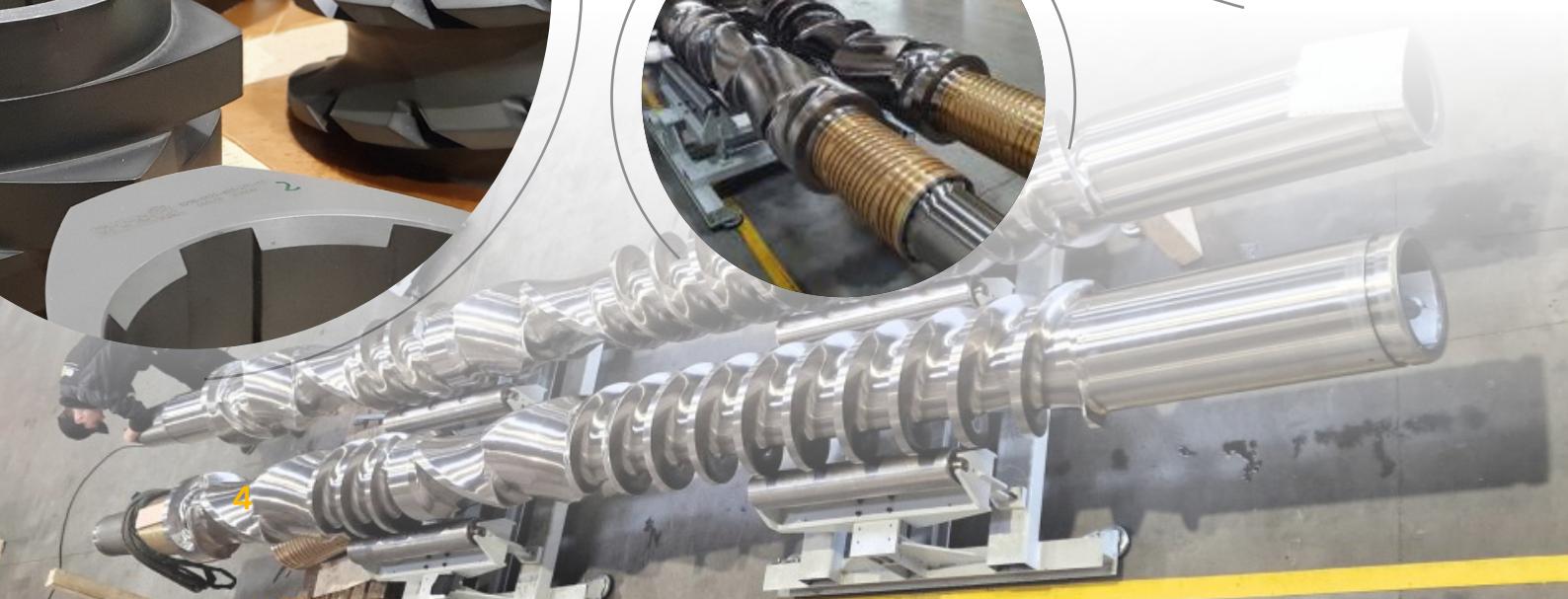
Co-Rotating Twin Screws and Barrel Sections — Proven Excellence in Petrochemical Production

GTS has decades of expertise in manufacturing co-rotating twin screws and barrel sections, widely used in the petrochemical industry worldwide. With diameters ranging from <170 mm to 420 mm, our components are built using state-of-the-art production technology, ensuring exceptional reliability and performance.

Our co-rotating screws are known for their outstanding longevity, often operating for decades with minimal maintenance or downtime. Their robust design and precise functionality optimize production processes, delivering high-quality results. These screws are essential for the efficient extrusion and processing of materials, for lowest and highest melt flow range.

Specializing in high-output applications, GTS manufactures co-rotating twin screws primarily for PE and PP production, with throughput capacities exceeding 110 tons per hour per line up to 12 meters. We offer a complete range of screw elements, long shafts, and barrel sections, including nitrided or wear-protected options, to meet the most demanding production requirements.

In addition to our co-rotating twin screws, GTS also designs and manufactures large single screws and counter-rotating twin screws, tailored for high-output polyolefin production.



Accessories

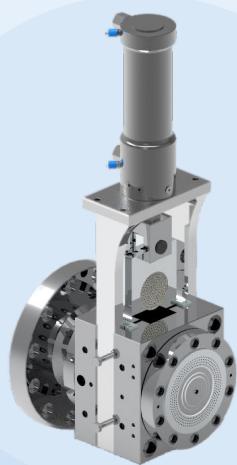
We offer a wide range of accessories to optimize your production process: GTS designs and manufactures a wide range of accessories for all applications.

Much of the development of ancillary equipment for the extrusion or compounding business is carried out in development projects with our partners.

All accessory parts are the result of our strong design group and are well approved products.

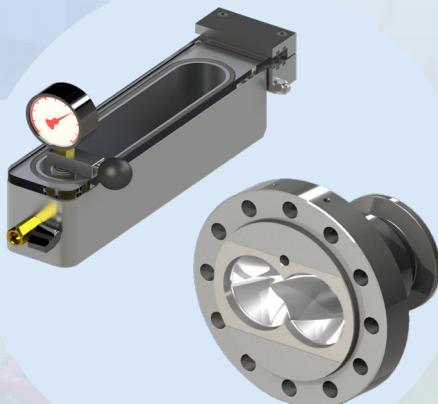
High-Speed Melt Filters:

Innovative solutions for maximizing efficiency and product quality.



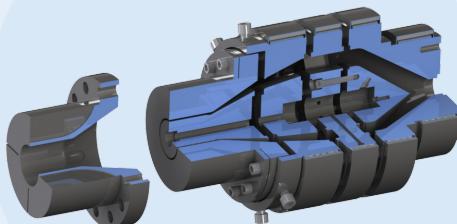
Vacuum Adapters and 8to0 Adapters:

Developed to enhance and customize your extrusion processes.



Spider Pipe Heads:

Precisely manufactured components for efficient pipe production.



Environmental Responsibility

— Green German Technology

Our motto, Green German Technology (GGT), reflects our deep commitment to environmental responsibility. At GTS, we strive to protect the quality of life for both present and future generations.

Sustainability is at the heart of everything we do—from continuously optimizing our product designs to training our employees with a strong sense of environmental responsibility.

In addition to our ecological efforts, we dedicate a portion of our profits to supporting local youth programs and various social initiatives. Social responsibility is not just a priority for us—it's a fundamental part of our mission.



Innovation, Quality Assurance and Additional Services

Our in-house laboratory enables continuous research and development to create innovative solutions. Stringent quality control ensures that our products meet the highest standards.

GTS offers both online and in-person training courses for professionals in the plastics processing industry. Our programs are designed to provide in-depth knowledge and practical skills in extrusion and compounding, catering to businesses worldwide. Whether you prefer virtual learning or hands-on experience at our training facilities, we ensure high-quality education tailored to your needs.

Why Choose GermanTwinscrewS?



Reliability and Flexibility:

Long-term dependability and adaptable solutions for various applications.



Global Presence:

Established in over 100 countries with an excellent reputation.



Innovation:

Own GTS Lab for innovative R&D



Customer Support:

Quotes within 48 hours and worldwide 24/7 service.





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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

