



TROESTER

EXCELLENCE IN EXTRUSION.



X-COMPOUND
A **TROESTER** COMPANY

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X-COMPOUND COMPANY PROFILE

We design, develop and manufacture Continuous Kneaders since 1997. Through many years of experience, we evolved into a worldwide leading manufacturer.

In 2011 X-Compound became part of the TROESTER Group and contributes to their international activities since. TROESTER is known for high-quality cable production lines and rubber extrusion and processing equipment.

OUTSTANDING PROJECT MANAGEMENT

All our projects are tailored to our customer's needs. This requires excellent project managers who can handle complex projects covering individual Kneader setups as well as entire compounding plants. Our flexibility and experience allow us to send our service engineers and technicians to locations around the world on short notice.



SPARE PARTS

We support the operation of 3-flight Continuous Kneaders worldwide by providing a full range of spare parts, most of them immediately available from our extensive stock in Hanover, Germany and Kaisten, Switzerland. Our customers appreciate the short lead times and our reliable delivery. Beside short-term delivery of spare parts, we develop long-term maintenance strategies with our customers, which include tailored spare part packages and consignment stocks at numerous TROESTER locations around the world. This service can also be supplemented by various predictive and preventive maintenance measures.



SERVICES AND REFURBISHMENT

We tailor our services according to your needs. Experienced technicians can perform maintenance on-site at your request. Furthermore, our highly knowledgeable process specialists will support in developing tailored service plans. This can also include the replacement of worn-out parts, the refurbishment of any damaged equipment and upgrades of outdated equipment to state-of-the-art equivalent machinery. Thanks to our exceptionally well-trained electricians and software engineers, we are also able to provide you with comprehensive software and operation upgrades.

DEVELOPING THE FUTURE

In order to be able to offer our customers tailor-made solutions, we rely on an in-house development centre. Together with our customers, we use the facility to verify the design of compounding plants as well as to show the feasibility of new equipment and process ideas. Our team produces tailored solutions in time, using state of the art tools as databases, process expertise and simulation.

MANUFACTURING AND ASSEMBLY

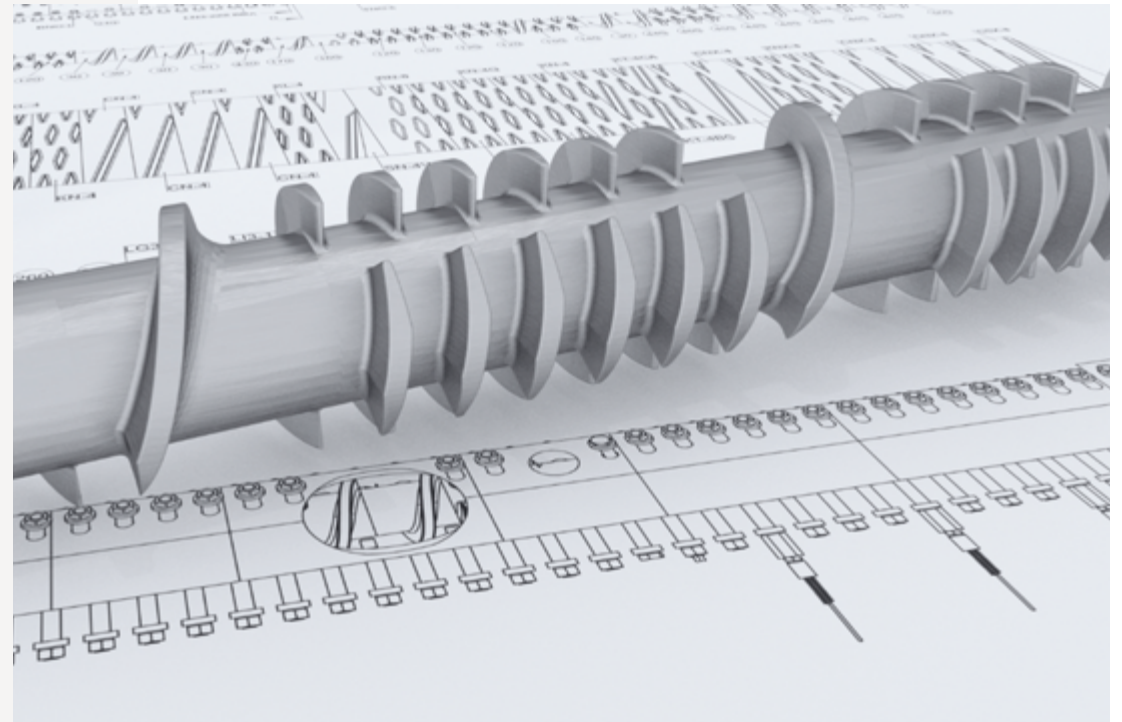
In recent years, we have steadily increased the proportion of parts that we manufacture ourselves. The fact that we are now able to produce these particularly critical process parts gives us unique opportunities and the flexibility to meet our customers' requirements and expectations.

PROCESS ENGINEERING

Regarding to the Kneader process, a robust and reliable process design is the basis for long-lasting efficiency. Our experienced and well-trained process engineers are at your disposal to optimise existing plants or to create new plant concepts tailored to your requirements.

ELECTRIC EQUIPMENT AND LINE CONTROL

The extrusion line control systems as well as the design of electrical components are essential elements of our Kneader plants. The control is developed, designed and programmed by inhouse specialists. The Line-PC is used for visualization and process trending, recipe handling and the long-term production and quality protocol.



CONTINUOUS KNEADER TECHNOLOGY

Continuous Kneaders apply a unique operating principle: the modular screw oscillates and rotates at the same time. The combination of the special screw motion and the kneading pins allows for a gentle and very efficient mixing.

This makes this machine the preferred technology when it comes to temperature sensitive, shear sensitive or highly filled compounds. Additionally this technology is the first choice for applications that require very broad processing windows or extremely low wear.





TECHNOLOGY FOR DEMANDING COMPOUNDS

The unique mode of operation of Continuous Kneaders allows for a gentle preparation of demanding compounds. If a compound is temperature sensitive, shear sensitive, or highly filled, Continuous Kneaders are a perfect choice. The unique mixing principle also provides broad processing windows in combination with low wear rates.

Due to the modular design of the complete processing section, it is possible to optimize the setup just for your application. As demanding applications require accurate process monitoring, it is our standard to provide multiple thermocouples installed in the mixing pins for the accurate measurement of the product temperature.

CABLE COMPOUNDS

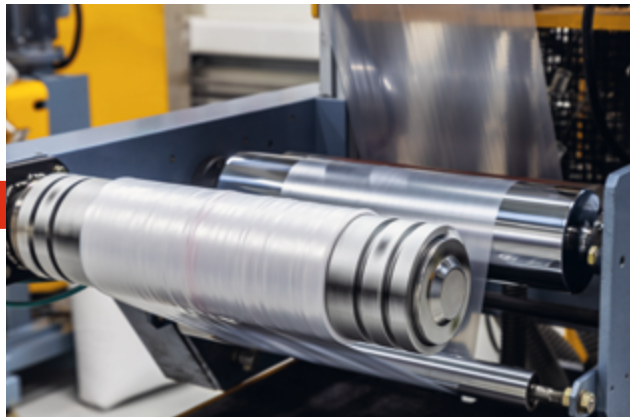
- Halogen free flame retardent (HFFR) compounds
- Semi-conductive compounds
- Peroxide conductive cross-linkable compounds (medium/high-voltage)
- Sioplas compounds



< Scan for more
info about cable
compounds.

CALENDER FEEDING

- Soft/semi-rigid/rigid PVC compounds
- Medical grade compounds
- Flooring



Scan for more info about calender feeding.

PVC COMPOUNDS

- Highly filled compounds
- Extrusion compounds
- Injection moulding compounds
- Medical grade compounds



Scan for more info about PVC compounds.

SPECIALTIES

- Vinyl flooring
- Elastomers
- Masterbatches
- Thermooset compounds



Scan for more info about other applications.



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