

**STASSKOL**



# BREAKS NEW GROUND

Sealing technology for

OSCILLATING SYSTEMS  
ROTATING SYSTEMS  
RENEWABLE ENERGIES

**STASSKOL**

# OSCILLATING SYSTEMS

Tailor-made solutions are our strength and your advantage

STASSKOL is a name that stands for piston rod seals and oil wiper seals, quality products made in Stassfurt.

We possess the expertise to design, specify, and process every possible material used for these systems, including specialized materials.

The wide range of PTFE-filled and synthetic resin materials we process are self lubricating, chemically inert, dimensionally stable, non hydroscopic and extremely durable.

These properties make these materials ideal for producing piston and guide rings, piston rod seals and intermediate gaskets in piston compressors either operating dry, or with light or full lubrication.

We meet the special requirements of our customers with a rapid and high quality service, from technical consultations to the design and application-specific implementation of systems.

State-of-the-art technology, precision in production, long product lifetimes, the supply of individual parts and our professionalism in service operations are further reasons why generations of customers continue to put their trust in our products.



# ROTATING SYSTEMS

STASSKOL is always a worthwhile alternative

Vacuum, cell, screw, fluid ring, and turbo compressors, all require a diverse range of sealing elements, in order to seal off the compressed medium from the surrounding atmosphere.

We have even developed a new type of packing design, specially for turbo compressors. All of our equipment range can be delivered with additional connections for gas leakage, seal gas, and flushing gas dependent on the required operating conditions.

We select the most suitable material for our sealing elements, tailored to the particular operating conditions. The materials we use to produce the sealing and supporting rings predominantly consist of:

- » PTFE compounds (with the appropriate filler materials)
- » PEEK (with the appropriate filler materials)
- » artificial carbons
- » bronze and sinter metals

and for the flange and housing:

- » rust and acid proof steel
- » steel alloys, and bronze

Our packing constructions consist of the sealing elements, the housing and flange. The sealing elements are in direct contact with the shaft and can be fitted with supplementary supporting rings.



# RENEWABLE ENERGIES

We are investing in the future

Energy supplies across the world are at a turning point. In future, renewable fuels will play a decisive role in transport, heat and electricity generation, along with wind, hydro power and solar energy.

Our contribution is to provide the seals required for the industrial machines used in energy production, whether they be oscillating or rotating systems.

Our products improve the efficiency of these systems and reduce loss when recovering energy.

We actively support the development and use of 'renewable energies' through the development of unique materials and special construction design.

For this purpose, we adapt tried-and-tested designs for piston and guide rings, piston rod seals and oil wiper seals.

The advantages of using renewable energies are clear:

- » a reduction of CO<sub>2</sub> emissions
- » a decrease in the greenhouse effect
- » the use of renewable raw materials
- » power and heat coupling
- » the exploitation of a diverse range of heat sources



# RESEARCH AND DEVELOPMENT

Driven by innovation

## NEW PRODUCTS

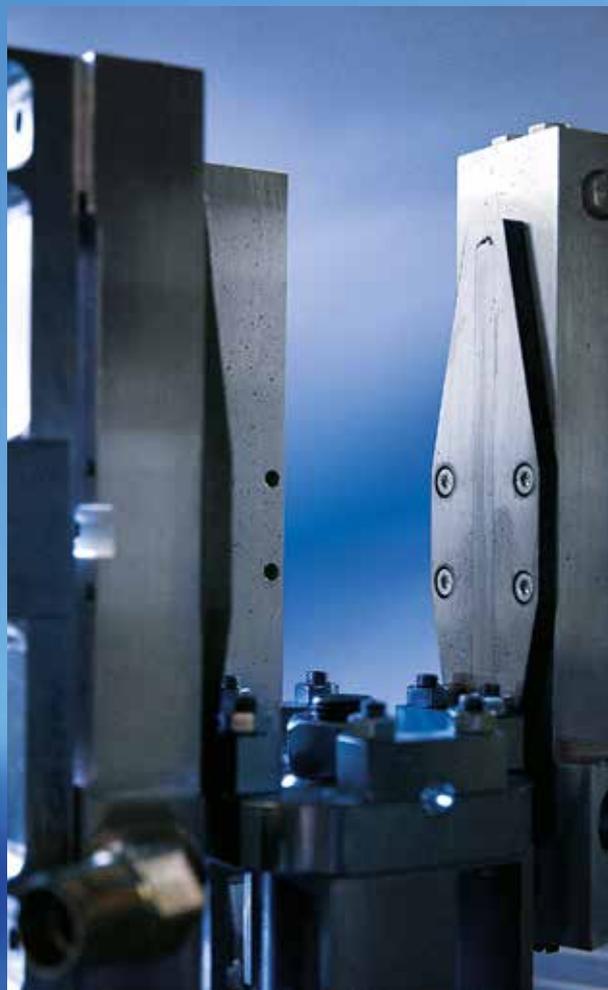
STASSKOL is committed to constant innovation. Computer aided simulations and performance tests under field conditions are combined to create a fast and efficient development procedure for designing and optimizing sealing systems. Our patented products are precisely tailored for each operational requirement.

## NEW MATERIALS

The functionality and service life of sealing elements greatly depend on the durability of the materials used. This is why STASSKOL creates its own materials, using research and development methods that set new standards in sealing technology. The measurement techniques developed by STASSKOL enable customer-specific material blends to be created quickly, which are then produced in-house at high quality levels.

## QUALITY

Our company carries ISO 9001 certification. In addition, STASSKOL has been using one of the most modern test benches in the compressor industry since 2004, in order to constantly check not only production quality, but also the functionality of our products.



# WE TAKE UP NEW CHALLENGES

We give you our word

## FUTURE BY TRADITION

Since our company was founded in 1920, a blend of tradition and progress has been the key to our success. The competence of our staff, their high degree of flexibility, the experience passed on over generations, and their courage to follow new paths have made STASSKOL a renowned supplier for the specialist machine industry, and created a strong demand for our products and services. We are proud of this achievement.

Predominantly known for many years as a specialist provider of sealing elements in oscillating systems, we are now expanding our product range to include solutions for rotating systems and for the promising new field of renewable energy. Please take advantage of our experience, and our extensive knowledge around these additional applications. We will meet the challenge of your needs with passion and dedication.

## OUR PROMISE

We place great value on business relationships as partnerships and in the principles our customers value, such as meeting quality and delivery requirements, our dedication to service and in building a bond of trust. We place the highest priority on our after sales service guarantee to business partners and fully respect and uphold our partner's rights as original equipment manufacturers. This is our promise.



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