



Since our establishment, we have always aimed high, and consequently, have set all our investments to achieve these goals on quality, service, and on being customer oriented. At Kastaş, we provide high quality and reliable solutions to many different sectors around the world.

Today, we continue our investments with the same team spirit, quality culture, and determination. We acknowledge being a successful organization as the key factor in achieving our goals, and are producing innovative solutions with our customers, distributors, and suppliers. We offer solutions with excellent services and competitive prices.

Kastaş has “Analyzing today sealing needs of tomorrow” as its motto, and we undertake regular research and development, create innovative designs, and provide the best solutions to our customers.

A handwritten signature in black ink, appearing to read "Haydar Atılgan".

Haydar Atılgan





Kastaş

“Kastaş is a leading producer of Hydraulic and Pneumatic Seals in Europe”

Kastaş is a dynamic manufacturer and distributor of sealing solutions, supplying a wide range of standard and customized products and services to a vast range of industries. Being a global partner, Kastaş offers highly efficient sales and distribution operations available through our customer support sites and distributors worldwide. We present technical catalogs and web sites in various languages, which enable our customers to reach us and connect with us in their own language.

Kastaş has invested in the necessary infrastructure with advanced manufacturing facilities and test laboratories, supported by an experienced and quality-oriented organization. Kastaş is a solution provider to many industries, with a unique range of products and services fostering numerous advantages for our customers.



Difference

Integrated solutions from a single supplier

At Kastaş, you will find the perfect starting point for meeting your requirements in a cost-effective and integrated manner from a single producer of Hydraulic and Pneumatic Seals.

Our services include:

- Extensive ex-stock capability for standard products
- High production and services flexibility for customer-specific needs
- Reliable quality and competitive prices
- Industry's best lead times for customized and standard products
- Custom-designed products with lifecycle management

Productivity

Your Productivity Partner

Productivity at Kastaş provides you with the best quality at competitive prices and with fast lead times. Fluid sealing is not a stand-alone, basic technology; it depends greatly on material development, ultimate design, and highly skilled applications. We in Kastaş are focusing on recent advances in elastomers, engineering plastics, manufacturing techniques, and on chemistry and tribology for improved productivity.

To improve the productivity of your entire system, we endlessly develop innovative solutions and mature products upon which you can rely.



Industry Focus

Empowering world industries

The industries we serve include, but are not limited to, engineering and manufacturing, mining, agriculture and construction machinery, mobile hydraulics, metal working, automotive, water pumps, gas springs, metallurgical, food processing, marine, pharmaceutical, chemical, and petrochemical.

Global Customer Satisfaction

Baykal Hydraulic Presses are building the new WTC “The Future of New York” with sealing solution partner Kastaş.



As the productivity partner, Kastaş builds long-term partnerships with its customers to develop state-of-the-art sealing solutions.

Customer Benefits include:

- Customer-specific material development
- Innovative sealing solutions through customer cooperation
- Value added after sales services
- Global partnership with a close-knit network



At Baykal Makine, we have been serving many industries in the world with “Metal Sheet Processing machines” for more than 60 years. The world’s most important companies safely use our machines in their productions. To maintain the confidence that we provide by having worked for many years, all our processes are quality-oriented, and we use the best products for our machines. In this context, our main policy is cooperation with suppliers that do not compromise on quality.

In a process starting from project design to after-sales service, we create quality with Kastaş, our solution partner. Building on its experience in hydraulic sealing, Kastaş produces special solutions for different system needs, and with its quality system, we also provide sustainable quality.

We produce long-lasting and much more durable machines for severe working conditions with the help of innovative solutions developed in cooperation with Kastaş.

Sulhi Baykal

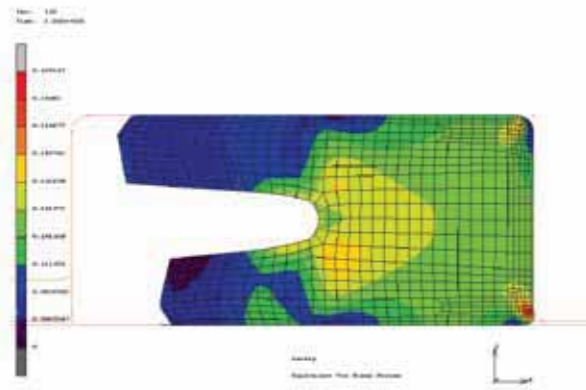
R&D

Research and Development



At Kastaş, we run detailed research, development, and testing programs in cooperation with our customers, which ensure the verification and validation of each design and material development through industry and customer-specific standards.

To be on the forefront of engineered solutions for sealing problems, we continuously develop new solutions for fluid sealing and materials technology. We are running projects with universities and research institutes that operate in the fields of material science, tribology, and fluid sealing technology.



Simulating wear and performance through computer models lets us predict product life while saving both time and money. All adjustments are possible through FEA capabilities even before a single sample has been tested; therefore, assuring repeatability of the tests, unlike using hardware testing rigs.

Advanced test rigs solely made for testing Hydraulic and Pneumatic seals run continuous tests to simulate years of service in a controlled environment. All parameters such as pressure, temperature, and speed can be adjusted and monitored by in-house test rigs for further studies.



Material Science

Developing materials for better solutions



Kastaş is developing the chemical and physical properties of compounds according to customer-specific requirements and applications. Formulations of all compounds are dependent on the fluid-sealing task in question.

As a part of our material development, we work closely with material suppliers and develop NBR, HNBR, CR, EPDM, FKM, TPU, TPE, POM, PA, PTFE, UHMW-PE, and other such materials and compounds.

Kastaş offers high-performance Thermoplastic Polyurethanes, proven to have the highest wear resistance, hydrolysis resistance, excellent temperature, and media resistance, as well as special grades for low temperature applications down to -45 °C.

Design

Tailor-made Engineering



Our design approach contains project management, prototyping, sample production, and testing with the help of state-of-the-art design tools.

Kastaş is designing successful standardized products (Rod Seals according to ISO 5597/1; Piston Seals according to ISO 7425/1; Wipers according to ISO 6195), which allows cost efficiency for the procurement and ease of installation while providing excellent sealing results.

Every single change in the design of the seals can be made according to customer specifications by our experienced design engineers with an unmatched speed and with the help of our software capabilities. The flexibility of our design department allows us to produce customized sealing solutions from scratch to sample within two weeks.



Mold Production

The fastest in the industry



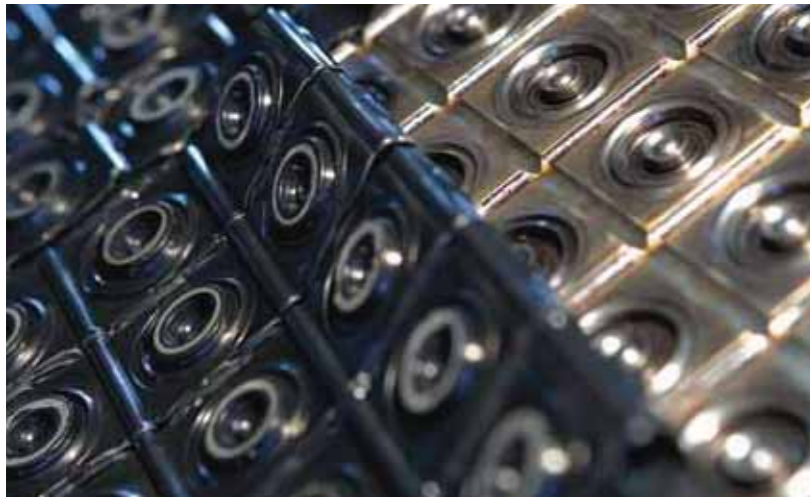
Seal design is not the only challenge, producing the molds needed for the production of high quality seals also requires extensive experience.

In-house production of all molds with our mold production facilities enhances productivity, reliability, and flexibility. With the help of the CAD/CAM technologies, we manage to standardize our tooling processes to ensure sustainable production quality.

Production

Engineering to perfection

For production of high-performance fluid sealing products for long-term duties in the most demanding of environments, Kastaş has earned a well-deserved reputation. This reputation is a product of long-standing experience of seal design and materials development, which leads to our success.



- Custom design and manufacture of thermoplastic components
- Injection molding of virtually all thermoplastics up to 600 mm
- Compression molding up to 1.500 mm
- Components from 1.8 mm to 2.000 mm
- Production from single items to millions is available
- A vast range of approved materials are available
- CNC machining of Polyurethane, PTFE, and engineering plastics
- Rubber-to-metal bonded seals
- Composite materials with elastomer impregnation of fabric

Kastaş has the experience and manufacturing systems, which allows managing a wide range of designs, sizes, materials, and quantities to fulfill customer demands.





Quality

More than good products...



Quality at Kastaş starts with the selection of the best raw materials, using advanced manufacturing technologies, followed by a strict quality control. Every process, including production, is based top-level technical support, and combination of customer-oriented services, are all based on Kastaş' quality culture.

Our quality standards are third party registered to DIN EN ISO 9001:2008 and ISO TS 16949:2009 and application specific standards, such as FDA, EN549, DVGW, and KTW.

All the compounds go under rheometer, hardness, tensile strength, and elongation tests to understand fully the state of cure and physical properties to ensure quality.

Services

“Kastaş Europe GmbH is located in Hamburg; thus we provide a real customer service by adding benefits of local representation.”

We at Kastaş serve our customers through our extensive production engineering, distribution, technical support, and customer-oriented services all over the world.

The ability of Kastaş to meet the most urgent demands of the industry is well known. We hold tens of millions of sealing items in stock for immediate shipment from our modern central warehouse. We have a record high ex-stock capability, with which we ensure delivery of 98% of our products ex-stock.

Global availability of our products and services allows our customers to utilize the benefits of working with Kastaş.





Future Perspective

We at Kastaş set the goals high

To achieve our goals, we are the solution partner to industries as we present cost-effective customized solutions. Kastaş pays great attention to ensuring that manufacturing processes are environmentally friendly, and continuously develops innovative energy-efficient sealing solutions for a sustainable sealing technology.

With our commitment to quality, dedication to environmental protection, and above-average investments to research and development, we will continue to develop and grow in the future.



Social Responsibility

As an integral part of the community, Kastaş feels responsible for in the education of youth for the society.



Kastaş offers practical courses on sealing technology in universities. Additionally, seminars are given to develop social and mental skills of university students.

Besides its training programs, Kastaş supports undergraduate and graduate scientific projects and sponsors project competitions to enhance the competency of talented young students.

As a part of our corporate self-regulation efforts, Kastaş proactively promotes public interest by socially responsible investing. Kastaş is also working on obtaining ISO 14000, thus, promoting its effort for a sustainable environment.



“Your productivity partner”



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“Your productivity partner”



Hydraulic and Pneumatic Sealing Elements