OPTIMUMTECH

COMPANY PRESENTATION 2025

Together we shape our **future**!

TÜRKAK
Kalite Yönetim Sistemi
TS EN ISO/IEC 17021-1
AB-0021-YS

CERTIFIED ISO 9001:2015 COMPANY

OPTIMUMTECH

WHO WE ARE?

OPTIMUMTECH was established in **2011** and has been specializing in mold manufacturing for the **automotive, energy, aerospace, marine industry** and **home appliances** industries. Alongside our expertise in high precision mold design and production, In addition, we specialize in the production of high performance hydraulic cylinders.

We deliver critical components for the energy and aerospace sectors, including **turbine blades** and **jet engine parts.** Our commitment to precision engineering, consistent quality, and customer satisfaction is at the core of everything we do.

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OUR TEAM CONSISTS OF 17 EMPLOYEES IN TOTAL

3 CAM Designers

8 Operators
1 Tool Assembly Team

1 Moldflow Analysis Engineer

2 Project Engineers

1 Quality Control Specialist

Since 2011, we have been integrating technology to improve our expertise.
With our advanced machinery and expert team, we provide high-quality service in our field.

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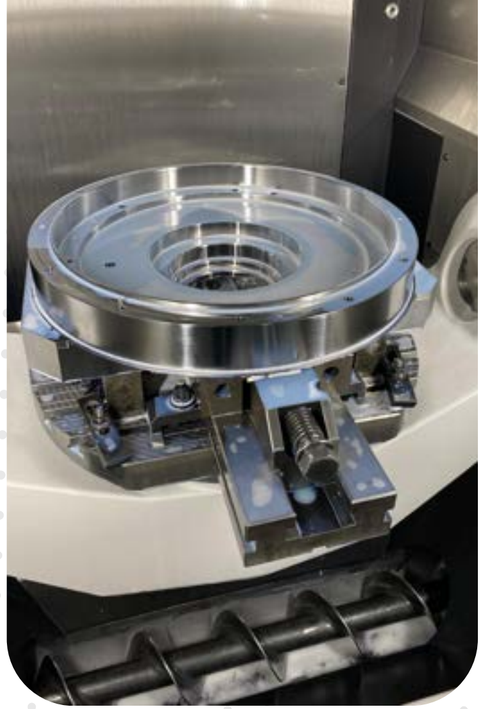
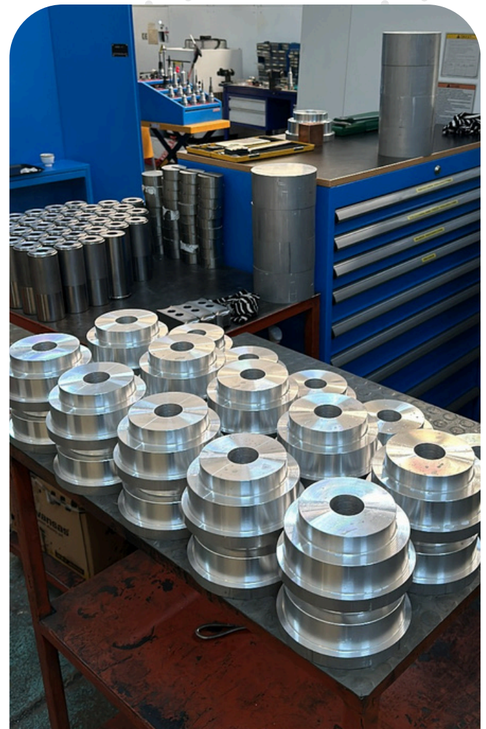
- **Lightining tools**
- **Plastic injection tooling**
- **CMM-based measurement**
- **Modifications on injection tools**
- **Preparing quotation very quickly**
- **High gloss tools and optical tools**
- **Prototype tools & Overmold tools**
- **Mold Flow Study Step 1 & 2** (cooling, filling, warpage)
- **General tonnage from 50T to 1.000T injection press**
- **Prepare DFM report with first 3D data** (max. 1-2 week)
- **Mold weigth up to 20T max tool size: 2.400x 1.500 mm**





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Building on our long-standing experience in **high-precision manufacturing**, we have recently accelerated our production capabilities for the energy and aerospace industries. With a particular focus on **gas and steam turbines**, as well as **jet engines**, we are equipped to deliver complex, mission-critical components with the highest level of precision and reliability. Our advanced CNC capabilities enable us to manufacture turbine blades and essential parts such as stator/rotor vanes, blade roots (fir-tree, dovetail), shrouds, platforms, nozzle segments, labyrinth seals, and combustion chamber elements. In the aerospace field, we produce jet engine components including blisks, fan blades, turbine vanes, internally cooled structures, and fir-tree profiles. With our **3 and 5 axis CNC** machines, **EDM** systems, and **CMM** quality control equipment, we ensure the tight tolerances and surface standards required in both energy and aviation applications.

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MACHINE PARKOUR

5 AXIS

GF MILL P 800 U

X:800mm Y:800mm Z:500mm

APEC G 800 TR

X:800mm Y:830mm Z:560mm

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MACHINE PARKOUR

3 AXIS

GENTIGER GT 1200 MS

X:1200mm Y:730mm Z:650mm

YCM NDC 3016 B (2022)

X:3200mm Y:1600mm Z:954mm

GENTIGER GT 105 V

X:1000mm Y:600mm Z:500mm

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MACHINE PARKOUR

LATHE

OKUMA GENOS
L3000-E

HAIMER
TOOL DYNAMIC
PRESET MICROSET

CMM

HEXAGON GLOBAL S
AND ADVANTAGE SCAN+MODEL

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MACHINE PARKOUR

EDM

FANUC
A-C600IC
(MICRO WELDING CAPABILITY)

OSCARMAX SINKER
EDM S430

EXCELLENT
CNC 1260

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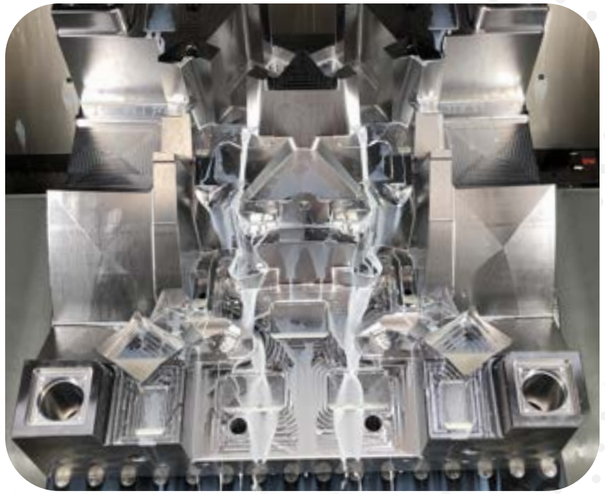

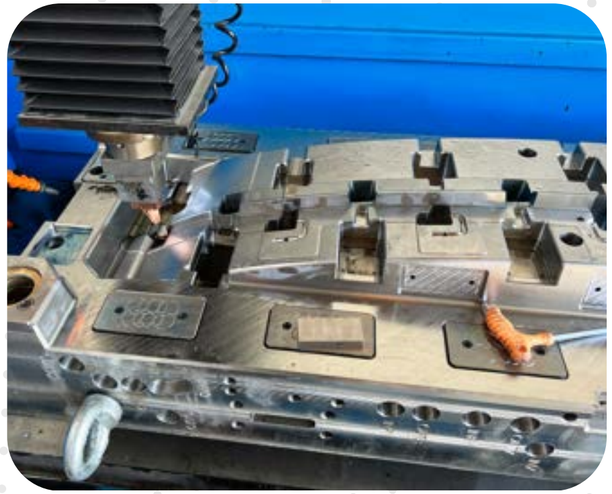



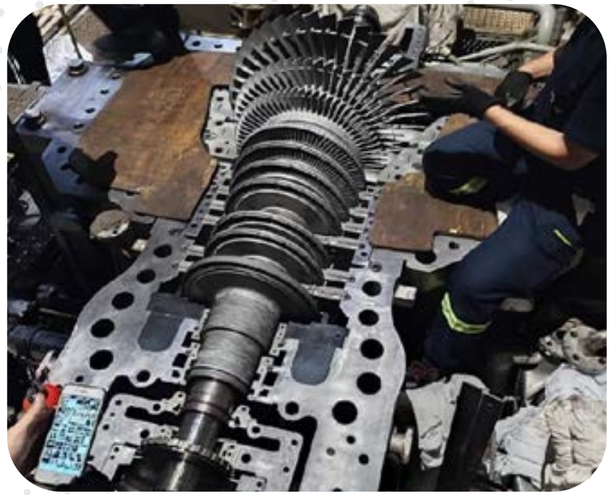

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HYDRAULIC CYLINDERS

We continue to manufacture our cylinders using the highest quality materials and sealing components, ensuring durability and reliability under pressures of up to **600 bars.** Since 2011, we have successfully produced approximately **30,000** cylinders. Our commitment to customer satisfaction remains unwavering, as we proactively address any issues, regardless of their scale. With complete confidence in the quality and performance of our products, we proudly offer a lifetime maintenance and repair warranty.

MONOBLOCK

TIE ROD

KOMPAKT

SELF LOCKING

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- Unlimited part stocks
- Mirror-shine surface quality
- Durable and long-lasting products
- Easy order with e-catalogue system
- Hardened working surface of the piston
- Maximum operating pressure of 600 bar
- Ordering options with custom dimensions
- Standard product shave 200°C temperature resistance
- Delivery within 2-7 business days to all regions of Turkey

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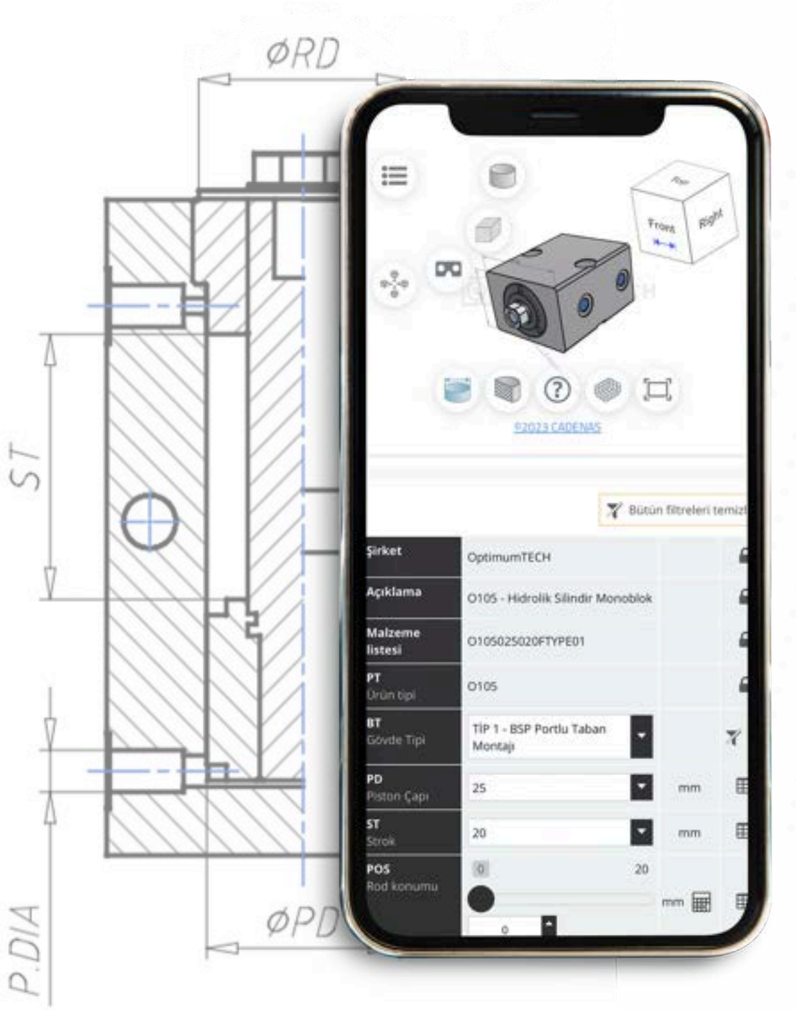
E-CATALOGUE & CAD DATA



Before commencing the mold design process, you have the option to create hydraulic cylinders in the dimensions you require and download the CAD files. At the conclusion of this process, you can share the downloaded CAD data with us via email to request a price quotation. Once these procedures are completed within a short timeframe, your in-stock product will be packaged and dispatched to the address you have provided.

www.optimumcylinders.com.tr

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STEEL SUPPLIERS

Schmiedewerke Gröditz GMH GRUPPE

UDDEHOLM

V'STEELS

Buderus

BÖHLER

BGH

HOT RUNNER SUPPLIERS

FLOW HRS HOTRUNNER TECHNOLOGY

Synventive molding solutions A business of BARNES GROUP INC

PSG Meusburger Group

INCOE HOT RUNNER SYSTEMS

YUDO

männer SOLUTIONS FOR PLASTICS A business of BARNES GROUP INC

STANDART COMPONENT SUPPLIERS

meusburger

CUMSA

STRACK NORMALIEN

HASCO

DME

Güvenal GTH Die & Mould Components

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REFERENCES FROM THE AUTOMOTIVE INDUSTRY

FOMPAK
Automotive Plastics and Interiors

BPLAS

SENSEI TOOLING

GALSAN

Plasmot

farplas

Feka Mold

PLAST MET
PLASTİK METAL SANAYİ İMALAT ve TİCARET A.Ş

MAGNA

FARBA®

GRUPO ANTOLIN

ecoplas

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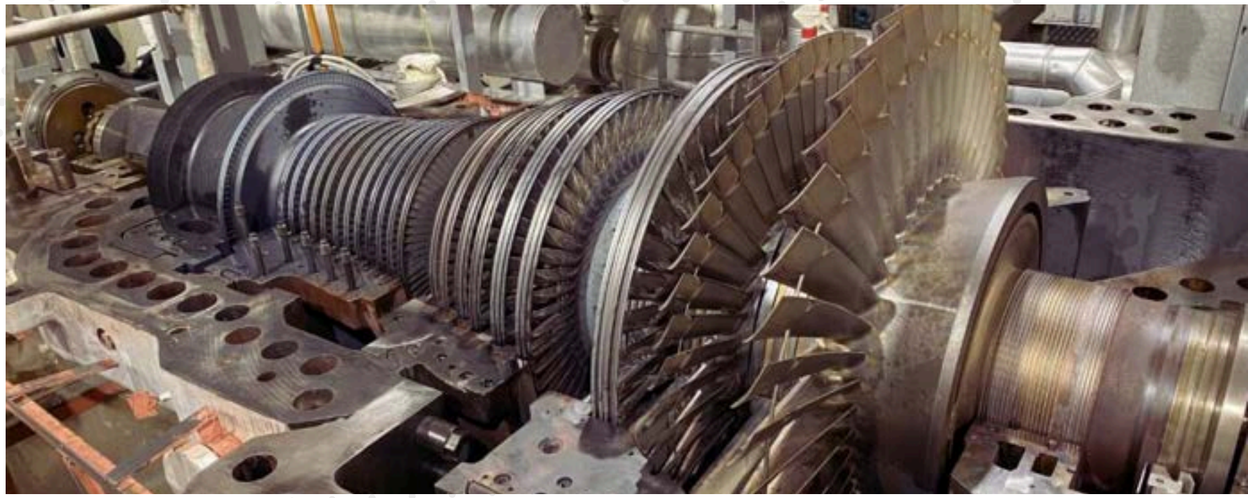
STRONGER TOGETHER!

THANK YOU FOR YOUR TIME AND ATTENTION!



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