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## INDUSTRIAL FURNACES BUSINESS ASSOCIATION



**Dr. HASAN ÇEP**  
President of EFSİAD

As Turkish Industrial Furnace Manufacturers, we are pleased to meet industrial demands with our worldwide industrial furnaces and services. In recent years, serious breakthroughs have been made in industrial furnace technologies through service and information exchange with European manufacturers and suppliers. In parallel with the development of technological goods and services in our country, we would like to share our innovative solutions based on high knowledge, such as special process applications in industrial furnace production.

Türkiye is known as a worldwide production center with its deep-rooted industrial traditions and a strong engineering infrastructure. As Turkish industrial furnace manufacturers, we serve in global markets with products built upon these solid foundations.

These furnaces, used in automotive, aerospace, metallurgy, ceramics, glass, energy, and many other sectors, play critical roles in enhancing production efficiency, optimizing energy consumption, and achieving high-quality products. As Türkiye, we produce advanced technology, durable and environmentally friendly furnaces that can produce at world standards in these areas. Thanks to our R&D studies, we can provide quick and effective solutions to the evolving needs of our sector both in Türkiye and globally. Equipped with features such as high efficiency, energy saving, longevity and low maintenance costs, our products are appreciated worldwide.

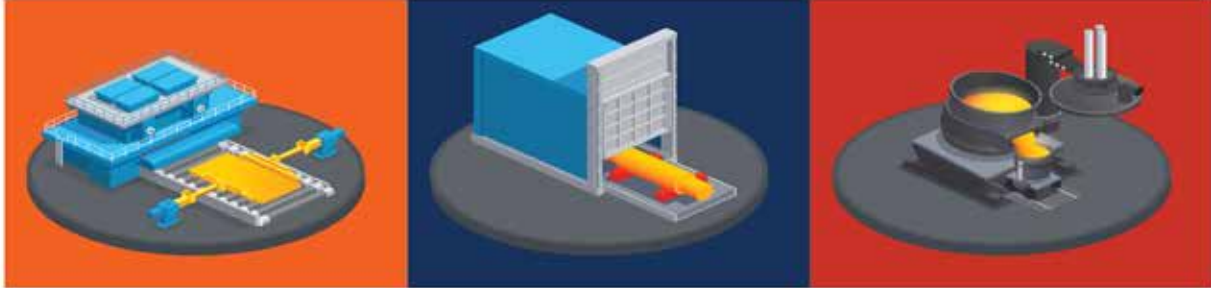
Strategic geographical location of Türkiye offers easy access to European, Asian, and African markets. By making best use of this advantage, we aim to strengthen our presence in international markets and increase our export capacity. By combining our local knowledge with our global vision, we strive to offer the best products and services to our consumers around the world. We are aware that the quality, reliability and performance of our products will be the cornerstones of the trust placed in us.

As a result, as Turkish Industrial Furnace Manufacturers, we are committed to continuing to offer high quality, innovative and reliable solutions. Thank you for choosing to cooperate with us and we want you to know that we will constantly improve ourselves to provide you with the best service.

Hoping to achieve greater success together in the future.

Regards

## The sector that expands its target in the global market; Industrial furnaces are of strategic and critical importance with their technology



**D**emands such as green production, reducing greenhouse gas emissions, healthy living and healthy food consumption have increased the demand for Industrial Furnaces in the industry, especially in food production. Industrial Furnaces; It enables production to be carried out at a certain speed in areas where production is carried out at high temperatures. Industrial Furnaces, which are among the products that will minimize time loss for businesses, save both labor and time. Industrial Furnaces that can be used for a long time without requiring maintenance; It provides cost, energy, time and fuel savings and therefore efficient use of energy.

### Industrial Furnace industry increases its global share

EFSİAD (Industrial Furnace Industrialists and Businessmen Association) Chairman of the Board of Directors Dr. Hasan Çep states that there are approximately 300 companies, large and small, in the industrial furnace industry, and that more than 5000 trained personnel are employed in the sector, which is in a constant growth trend. "In Türkiye, there is an annual industrial furnace investment of around 200,000,000 USD, of which approximately 40% is import. It takes place through. Although the young Republic of Türkiye invested heavily in the metallurgical industry immediately after its establishment, the industrial furnace sector began to develop after the 1980s due to the problems in the import regime with the establishment of the automotive industry. In this sense, although there are many industrial oven companies in the West that are over a century old, our oldest company in our sector is not older than 50 years old."

Dr. Hasan Çep explains that industrial furnace investments started to increase along with the production processes that started rapidly with the growth of the automotive, defense and machinery sectors after the 2000s. "After these years,



due to both technological dependency and investment financing difficulties, the demands created by the search for domestic production in a very short time. Nowadays, the number of industrial producers, which cannot exceed the fingers of one hand, is preparing to enter the hundreds. Our share in the world industrial furnace trade, which was 1% until 2016, increased to 1.8% in a very short time, with the ecosystem created with the serious efforts of EFSİAD, which was established in the same year. "The countries that export the most furnaces in the world are Germany, which is a metallurgical giant, America, Italy, Japan and China."

### The success of Turkish manufacturers in world markets

Dr. ÇEP stated that the EFSİAD family, which was established in 2016, is making rapid progress by joining forces with its members in order to increase Turkey's technological production power, convert new technologies from imports to domestic substitution, reduce imports and increase exports. Hasan Çep said, "Our industry, which has increased our share in the world by 80% in 7 years, looks to the future extremely positively. As EFSİAD, we aim with long-term

predictions; To get a 3% share of the world market in 5 years. And then we want to increase this rate to 5%. 5% size in the world furnace market is a serious ranking and is an indicator of a very high level of the country in terms of both knowledge, economy and strategic. Our sector, which designs high-tech, high-cost, heavy-duty light industrial furnaces, successfully increases its growth trends by using these furnaces in the domestic market and directing the achievements achieved to exports. "Now, the Turkish industrial furnace manufacturer can easily enter all world markets by making its own unique designs heretofore," he says.

Dr. ÇEP noted that while Türkiye is sometimes negatively affected by political and political changes due to its geographical location, these changes can sometimes open new market doors for them. Hasan Çep points out that since the sector contains serious "know-how", the situation of the markets is affected from time to time due to political fluctuations in the world, and that a market opened today may face the danger of closing tomorrow. "Here, of course, we have to prioritize the interests of our country; of course we have to act in parallel with international relations and with our country's regional approaches. Therefore, we want to act by choosing the most dynamic markets. Especially in recent times; While the Russian market creates serious demand, we are seeking to create a synergy for the future by participating in fairs and events with the Middle East, Europe and other Turkish states. On the other hand, we bring together our members with scientific and industrial events such as fairs, symposiums and congresses to be held in developed markets such as America and Europe.



### The critical role of industrial furnaces in production processes

Dr. Hasan Çep points out that industrial furnaces play a critical role in production processes in various sectors. "These furnaces enable many industrial processes such as heating, hardening, surface hardening, coating, drying or shaping of materials. Industrial furnaces used in food, metal, ceramics, glass and other sectors speed up production processes and improve quality by increasing efficiency. In addition, thanks to precise temperature control, it reduces costs and saves energy by ensuring that products are produced in accordance with the desired specifications. Industrial furnaces have become an indispensable tool in modern manufacturing processes because they provide a reliable environment for producing larger and more complex products."

### Benefits of industrial furnaces to companies

Dr. Hasan Çep also emphasizes the importance of industrial furnaces in increasing productivity. "Using an industrial furnace does not have an advantage, but it is a necessity. If you do not use a suitable and technological industrial furnace, there will be no increase in productivity. Because industrial furnaces increase production efficiency by ensuring rapid and homogeneous heating of materials. Precise temperature control ensures that products are produced in accordance with the desired quality standards. Advanced insulation technologies and energy efficiency enable industrial furnaces to contribute to energy savings. Industrial furnaces are so integral to life that they can be adapted to various applications in many sectors such as semi-finished product production, metal shaping, ceramic

production, glass tempering, etc. that create daily production dynamics. Thanks to advanced control systems, industrial furnaces automate and monitor production processes. This reduces human errors. Thanks to their designs suitable for processing different materials and products, industrial furnaces provide flexibility in production processes. "These advantages contribute to the widespread preference of industrial furnaces in a wide range of applications."

**The most important investment item for many main industries:** Noting that industrial furnaces are the most important investment item for many main industries, Dr. Hasan Çep states that the technologies used here are quite critical and strategic. "If you have an advanced technological industrial furnace system; By ensuring the rapid processing of materials, you optimize production processes and increase efficiency. With high central capability and special processes, industrial furnaces ensure that products are produced in accordance with the desired quality standards. Modern industrial furnaces bring the quality advantage of final products by reducing energy costs by providing advanced insulation technologies and energy efficiency. Various types of industrial furnaces suitable for processing different materials such as metal, ceramics, glass and plastic offer serious advantages in competition by offering industrialists a wide range of applications. Special designs incorporating high technology encourage product innovation by allowing the development of new materials and production techniques. High temperature and rapid processing capabilities allow industrial furnaces to produce large and complex products quickly. The ability to control different temperature, atmosphere, humidity and heating-cooling conditions helps industrial furnaces provide the appropriate environment for precise production processes. These contributions enable industrial furnaces to play a critical role in industry making production processes more efficient and reliable in various sectors."



### Faster, smarter, flexible industrial ovens with artificial intelligence

Dr. Çep said that artificial intelligence and new generation technologies provide optimization and efficiency to production processes. Hasan Çep makes the following assessment: "Artificial intelligence can optimize processes by analyzing the operating parameters of industrial furnaces. This can reduce costs by optimizing energy use and increasing production efficiency. However, the industry and users have to go a long way in this process because the usage infrastructure is still developing. On the other hand, AI can constantly monitor and regulate temperature control inside industrial ovens. This saves energy while maintaining the desired quality standards. With predictive analysis, artificial intelligence can predict future malfunctions by analyzing the factors that influence the performance of furnaces. This optimizes maintenance processes and reduces unexpected downtimes. It can make improvements in terms of product quality and optimize material processing conditions by analyzing data during production processes. This improves product quality, reduces defective production, can monitor energy consumption and increase energy efficiency by determining optimal operating conditions. Artificial intelligence improves production processes by enabling industrial furnaces to operate more intelligently and flexibly."

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Stating that industrial ovens are the most important investment item for many main industries, EFSİAD (Industrial Furnace Industrialists' and Businessmen's Association) Chairman Dr. Hasan Çep Dr. He emphasizes that

the technologies used here are quite critical and strategic. The target of the sector, which has a 1.8% share of the world market; To become an important player in the market by increasing its market share to 5%.

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3E Industrial Engineering was established in 2005 for providing prime & qualified services mainly for heat treatment and industrial furnace industry. Since the day we started to operate, we have successfully completed many projects as a solution partner in more than 30 countries.

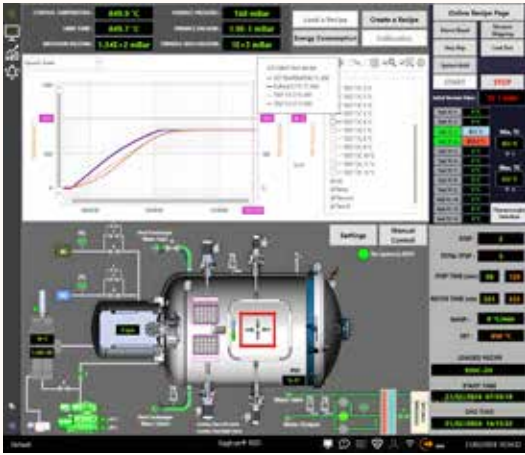
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#### Products

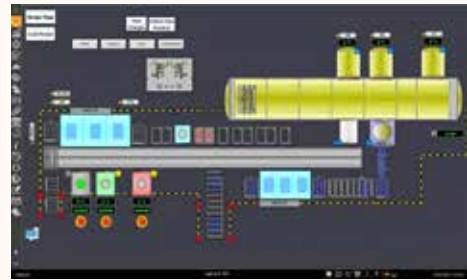
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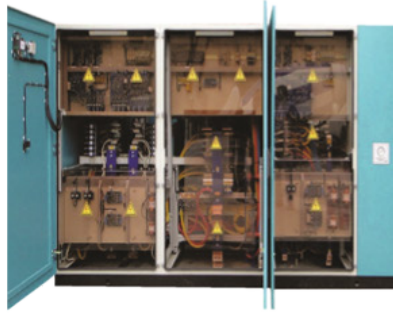
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Our company was established in 2001 with the aim of serving the industrial sector in our country, primarily the metallurgy and aluminum industries, by manufacturing industrial furnaces, custom process furnaces and heat treatment facilities. Acar Teknolojik Sistemler design the most suitable product for customer needs, performs the necessary engineering calculations and installs turnkey facilities with an experienced team of engineers and technicians. Our goal is to provide our customers with uninterrupted production opportunities by offering products of maximum quality at optimal prices. Located in our own workshop in KOCAELİ province, our company continues its production while constantly keeping up with global developments and undertaking new projects.

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AKM provides wide range of monolithic refractories in diverse field of application regarding customer request and total system efficiency.

Related Sectors:

Iron & Steel, Energy, Petrochemical, Industrial Furnaces, Heat Treatment, Cement, Marine, Aluminum-Nonferrous, Automotive, Ceramic, Glass

Products

Monolithic Refractories, Ceramic Fiber Materials, AES Bio Soluble Products, IFB JM Bricks, Mortars, Passive Fire Protection Materials, Asbestos-free Boards (Nefalit, Millboard, Multifibre), Microporous Materials, Mineral Wool (Rockwool, Glass Fiber products), Industrial Heating Systems, High Temperature Textiles, Aluminium Contact Refractories, Micanit Sheets and Rolls, Ceramic and Metallic Anchors, Ceramic Rollers, Cordierite & SiC Products, Ca-Si & Vermiculite Boards, Master Alloys for Aluminium Industry, Foam and Cloth Filters.

Services

- Refractory Lining Design
- Heat Flow Calculations
- Supervisor Service
- Thermographic Inspection
- Pay-back Calculations

Quality Certificates

ISO 9001:2015

Export Markets

Georgia, Azerbaijan, Egypt, Hungary, Romania, Bulgaria, Austria, Morocco, Slovenia, Slovakia, Russia, Belarus, Indonesia, India, Ukraine, Iraq, Kazakhstan

**AKM METALURJİ**

# YOUR SOLUTION PARTNER for Monolithic Refractories

**TECHNICAL SERVICES** | **CUSTOMIZED PRODUCTS** | **RESPONSIVE SUPPORT** | **TRUSTWORTHY DATA**

Castables | Pumpables | Shotcretes | Rapid Fire | Rapid Bond | Gunning Mixes | Cement-Free

The advertisement features a background image of a steel mill with molten metal being poured into a ladle. The AKM METALURJİ logo is at the top. Below it, the text 'YOUR SOLUTION PARTNER for Monolithic Refractories' is prominently displayed. Underneath, four orange boxes list key services: TECHNICAL SERVICES, CUSTOMIZED PRODUCTS, RESPONSIVE SUPPORT, and TRUSTWORTHY DATA. At the bottom, a row of product categories is shown: Castables, Pumpables, Shotcretes, Rapid Fire, Rapid Bond, Gunning Mixes, and Cement-Free.

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Address Cumhuriyet Mahallesi, Özlem Sokak, No:9, Şekerpınar, Çayırova / Kocaeli / TÜRKİYE

# HIGH QUALITY INDUSTRIAL FURNACES

Aksoylar Robotic Systems and Machinery was established in 2022 as a subsidiary of Aksoylar Engineering, which has a deep-rooted history of 35 years.

In a short time, it has become one of Turkey's leading companies in the field of industrial oven and machinery manufacturing, automation and robotic solutions.

Aksoylar Robotic Systems and Machinery, with its experienced team of engineers and technicians, designs the product that best suits customer needs, makes the necessary engineering calculations and installs the facilities.

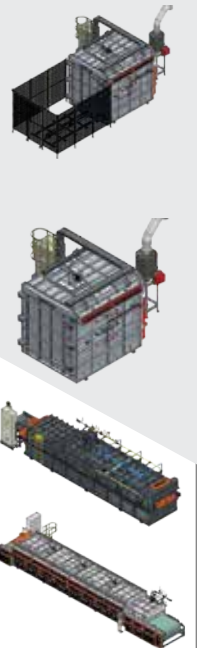
It manufactures high quality industrial furnaces and supports both local and international customers with after-sales services.

Our goal is to provide our customers with:

Heat treatment facilities, annealing furnaces, special process furnaces, machinery manufacturing and all kinds of maintenance and repair services are provided.

Our vision is to be a leading company in the global market in the field of Industry 4.0 compatible industrial machinery production and automation software.

We, Aksoylar Robotic Systems and Machinery Inc. as INDUSTRY 4.0, we are determined to be a reliable partner for you in the transition process and solve our customers' problems in the most appropriate and short time.







ATM ATILIM TEKNİK METAL SAN. VE TİC. A.Ş.

Contacts **Salih ÖZATA**

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Phone +90 312 267 2145

Web [www.atilimteknik.com.tr](http://www.atilimteknik.com.tr)

Address (Manufacturing Plant):  
Ahi Evran Mah. 1.Organize Sanayi Bölgesi Ural Cad. No:10, 06935 Sincan/ANKARA

Address (Recycling & Casting Plant):  
Velimeşe OSB Mah. 218. Sokak No:1/1 Ergene/TEKİRDAĞ

ATM Atılım Teknik Makine was founded in Ankara in 1999. Since 2017, ATM continues to manufacture of machines in the new plant with 20.000m2 area. Also ATM invested a new plant with 15.000m2 to produce aluminum billet in 2022.

R&D department was established in manufacturing of machine and directed manufacturing with special design. ATM specialized about of casting and recycling machines and plants. Our company, which continuously develops quality with the demands of the market, fully knows the production problems of the casting and recycling sectors and offers rational solutions. In this direction, our company is in an effort to constantly improve its designs. In order-oriented production, special design and layout are made for each customer in R&D department and turnkey installation and commissioning services of the final products are realized by ATM company. Our superior quality understanding was registered with ISO 9001 certificate in 2006. Our company went one step further with the brand and product patents it received. ATM exported to Romania, Greece, Saudi Arabia, Spain, Libya, Georgia, Azerbaijan, Colombia, Algeria, Albania, Thailand, Germany, Italy, Argentina, Poland, UAE, Tunisia, Hungary, Portugal, Ukraine, Israel, Serbia, Kazakhstan, Sweden, Austria, Russia, Croatia, Mexico and Morocco.

#### Products

##### Recycling Machines and Plants

- Tilting Rotary Furnace
- Aluminum Holding & Melting Furnace
- Shaft Type Aluminum Melting Furnace
- Side Well Melting Furnace with Pump
- Tilting Crucible Melting Furnace
- Furnace Charging Machine
- Jet Pulse Filtration System & Gas Cooling Unit
- Ingot/Deox Production
- Ingot Stacking & Strapping Line
- Billet Production Line
- Hydraulic Briquetting Press

- Baler Press
  - Shredder & Sorting Line
  - Scrap Battery Recycling Plant
- Foundry Machines and Plants  
Aluminum Billet and T-bar manufacturing

#### Quality Certificates

ISO 9001:2015

#### Export Markets

Europe, South America, Africa, Asia



Recycling Machines and Plants  
Foundry Machines and Plants

[www.atilimteknik.com.tr](http://www.atilimteknik.com.tr)  
+90 312 267 2145



Tilting Rotary Furnace



Aluminium Holding & Melting Furnace



Jet Pulse Filtration System & Gas Cooling Unit



Aluminium Homogenisation System



Aluminium Billet Casting



Shredder & Sorting Plants



Ingot Casting & Stacking & Strapping Line



Deox and Ingot Casting Machine



BAYKAL REZISTANS SAN. VE TIC. LTD. ŞTİ.

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Web [www.baykalrezistans.com](http://www.baykalrezistans.com)

Address İkitelli Org. San. Bölğ. Eskoop San. Sit. C.1-2 Blok No: 16-18-20 Başakşehir/İSTANBUL/TURKEY

Since 1970, Baykal Rezistans is serving unlimited and excellent services to his customers. Now, our company is just producing industrial heating element for his special customers. Baykal Rezistans presents high level engineering services to approximately ten thousand customers all around the world, with boutique and customer based exclusive service philosophy. Finally, the company Baykal Rezistans, with his excellent customer service understanding, will continue to serve his good quality products in next years, to his customers from all over the World.

#### Products

- Explosion proof heaters
- Tubular heaters
- Cartridge heaters
- Furnace heaters
- Industrial heat exchangers
- Air duct heaters
- Galvanic bath heaters
- Thermocouples
- Ceramic heater
- Band heater

#### Related Sectors:

- Cement Industry
- Foundry Industry
- Petrochemical Refineries Oil & Gas Refineries
- Food Industry
- Furnace Industry
- Glass Industry
- Iron & Steel Industry
- Power Plants & Steam Boilers And Many
- Other Industries
- Branches

#### Quality Certificates

- ATEX Certificates
- CE Certificates
- ISO 9001:2015
- ISO 45001:2018
- ISO 14001:2015
- ISO 10002:2018

#### Export Markets

Middle East Countries, United Arab Emirates, Gulf Countries, Saudi Arabia, Central Asia Countries, India, Iraq, Iran, Azerbaijan, Russia, Algeria, Mexican, Germany, Portugal, Spain, Romania, Bulgaria, and other many European countries and etc.

The advertisement features a dark blue background with the Baykal Rezistans logo in the top left corner. The main title is "ENGINEERING SOLUTION FOR ELECTRICAL HEATING ELEMENTS". In the top right corner, there are four certification logos: ISO 9001:2015, CE, ISO 14001:2015, and Ex. Below the title, there are six images of different types of heaters, each with a caption underneath:

- AIR DUCT HEATERS**: A rectangular metal frame with a red top and vertical heating elements.
- EXPLOSION PROFF HEATERS**: A large, complex industrial heater with multiple heating elements and a control panel.
- FLANGED TUBULAR HEATERS**: A cylindrical heater with a flange and a control panel.
- ALUMINUM CAST-IN HEATERS**: A small, white, cast-in heater with a control panel.
- INDUSTRIAL HEAT EXCHANGER**: A red, industrial heat exchanger with multiple ports and a control panel.
- FURNACE HEATERS**: A long, cylindrical heater with a control panel and a flange.

# BELGiN

Industrial solutions  
for people.

BELGiN MADENİ YAĞLAR TİC. VE SAN. A.Ş.

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Fax +90 262 751 01 98

Web [www.belginoil.com](http://www.belginoil.com)

Address Gebze OSB Mah. İhsan Dede Cad. No: 125/1 41400 Gebze/KOCAELİ/TURKEY

Belgin is one of the leading lubricant producers in Turkey with its deep technical expertise and longterm cooperation with its business partners dating from 1953 to the present day. Being one of Turkey's main exporters of lubricants, today Belgin proudly exports its products to over 50 countries across 5 continents. Responding to the needs of almost all industrial sectors, Belgin produces in five major product groups: metalworking fluids, industrial lubricants, motor oils, greases, and marine lubricants, and supplies the market with over a thousand products. Belgin continues to be the leader in the Turkish metal working market. Belgin is a member of various international sectoral institutions such as ELGI (European Lubricating Grease Institute), UEIL (Union of the European Lubricants Industry), ATIEL (The Technical Association of the European Lubricants Industry) and has hand-in-hand relationships with universities for technological developments. Value-added, making the difference, and high performance unique products are developed for different needs and special situations in Belgin R&D Center. With its engineering and after-sales technical services, Belgin offers its business partners rational solutions for using the right product in the right place and in the most efficient way. Belgin's industry managers and specialists assess the situation through field visits and direct the business partners to the most correct solutions and products that increase operational productivity. Belgin also offer certified technical training to the employees of its business partners through its specialists. In its company, with its high-technology projects developed with years of experience and knowledge, LUBRIVISION and LUBRIVISIONBOX, Belgin significantly contributes to its business partners' operational productivity.

#### Export Markets

Africa, Asia, Europe, North America, South America

#### Quality Certificates

ISO 9001, ISO 14001, ISO 45001, ISO 17025

#### Our Products / Services

- **Metal Working Fluids** (Cooling Fluids, Water Soluble Metal Working Fluids, Neat Cutting Oils, Honing and Electro Erosion Fluids, Heat Treatment Oils, Heat Transfer Oils, Corrosion Preventive Oils, Neat Forming and Deep Drawing Oils, Water Soluble Forming and Deep Drawing Oils, Hot Forming and Forging Oils, Wire Drawing Fluids, Cleaners, Metal Working Auxiliary Chemicals, Glass Process Oils)
- **Machine and System Oils** (Hydraulic Oils, Turbine and Circulation Oils, Slideway Oils, Industrial Gear Oils, Textile Oils, Fire Resistant Hydraulic Fluids, Shock Absorber Oils, Mould Release Agents, Compressor Oils, Chain Oils)
- **Greases**
- **Automotive Lubricants**
- **Marine Lubricants**

#### Sectoral Products

##### Quenching Oils

- Quenchoil SYD Series (Accelerated and Normal Speed Quenching Oils)
- Quenchoil MRT Series (Hot Quenching Oils)
- Quenchoil VQL Series (Vacuum Quenching Oils)
- Quenchoil AQUA TE (Quenching Polymer for Induction Application)
- Quenchoil AQUA PV (Quenching Polymer for Immersion Application)

##### Polyol ES Base HF Series (Fire Resistant Environmental-Friendly Hydraulic Fluids)

- **Recompound SYN/PG Series (Synthetic Gear Oils)**
- **Hidrotex SYN Series (Synthetic Hydraulic Fluids)**



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Web [www.btuotomasyon.com](http://www.btuotomasyon.com)

Address Esenyalı Mah. E5 Yanyol Cad. No: 61 Varyap Plaza Kat:1 No:135 Pendik/Istanbul

BTU Automation is an engineering and software company established in 2021. It provides custom industrial software solutions to meet the needs of the industrial automation sector, particularly in the heat treatment industry.

Focusing on the needs of our customers, we develop solutions that enhance energy efficiency and optimize processes for industrial machinery. Specializing in control systems, BTU Automation offers tailored and professional solutions to its customers.

The software developed specifically for our customers provides an integrated and efficient user experience. BTU Automation always prioritizes customer satisfaction with its innovative approach and industry experience.

By partnering with BTU Automation, you can make your industrial heat treatment processes more efficient, reduce energy costs, and increase productivity. Our professional team is dedicated to creating custom solutions for your business needs and guiding you towards success.

#### Our Products / Our Services

- PLC&Scada Software
- Thyristor power controllers
- Process controllers.
- 7/24 Service
- Annual Maintenance
- Automation and electrical Spare Parts

#### Related Sectors:

- Industrial Furnace Users
- Steel Industry
- Automotive
- Aviation

#### PROJECTS

- PLC, SCADA and Electrical System Revisions
- Furnace control system upgrade
- Control cabinet design and installation.

#### Quality Certificates

- ISO 9001-2015
- OHSAS 1800

#### Export Markets

Europe, England, North Africa, Russia

**Professional Process Automation for Industrial Furnaces**

Contacts **Erdal ŞAHİN**

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Phone +90 (216) 372 15 02

Web [www.citiusmuhendislik.com](http://www.citiusmuhendislik.com)

Address (Headquarter):  
Kozyatağı Mah. Sırma Pınar Sok. İMPA İş Merkezi No:3/5 Kadıköy İSTANBUL/TURKIYE

Address (Factory):  
Çerçeşli O.S.B Mah. İMES Sanayi Sitesi 17. Cad. No:5 Dilovası KOCAELİ/ TURKIYE

We are serving our 25 years of experience to our customers in our new company CITIUS MUHENDISLIK.

### Our Products / Our Services

- Complete Aluminium Casthouses
- Aluminium Melting & Holding Furnaces
- Scrap Charging Cars
- Reheating Furnaces
- T-6 Solution Heat Treatment Lines
- Aluminium Foil Annealing Furnaces
- Aluminium Coil Annealing Furnaces
- Slug Annealing Furnaces
- Logs Heating Furnaces
- Log Hot Shears/Saws
- Aging Ovens
- Die Heating Ovens
- Log Homogenizing Furnaces
- Log Cold Saw
- Automatic Stacking/Destacking Machines
- Spare Parts Services
- Training

### Export Markets

- Asia
- Europe
- North America
- South America



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Phone +90 (212) 858 18 06 FAX +90 (212) 858 18 07

Web [www.csmmetal.com.tr](http://www.csmmetal.com.tr)

Address Akçaburgaz Mah. Alkop Sanayi Sitesi, 1575 Sk. No:2B 1-2 Esenyurt 34522, İstanbul

CSM METALURJİ was established in İstanbul in 2002 as a product of experience of more than 30 years in the fields of process and manufacturing engineering in iron and steel industry. CSM METALURJİ is designing high efficiency plants and providing service at all stages from production to installation / commissioning; supplying technical know-how and technical and commercial consultancy services for its customers who are interested in investing for production of steel wires and wire products.

With this respect, CSM METALURJİ is not only an equipment and machine producer, but at the same time CSM METALURJİ, with its extensive process experience, designs and manufactures the most suitable lines, machines and process equipment for the steel wire industry.

Wire drawing, galvanizing, patenting, phosphating and stranding processes are the areas in which CSM METALURJİ is most ambitious. CSM METALURJİ, after equipment commissioning, is also providing consultancy services to the customers to manufacture in ideal working conditions. For this purpose, in equipment and process design, importance is given to the following issues:

- Optimization of Investment Costs;
- Product Quality and Compatibility according to International Standards;
- Minimizing the Operational Costs;
- High energy efficiency.

Research and Development works and innovation studies are also an integral part of CSM METALURJİ.

CSM METALURJİ, in fulfilling its obligations mentioned above, has always taken the principle of being "always better"; and will keep on this motto for all its future operations.

#### Our Products / Our Services

Consultancy and Project Planning in the Steel Wire Sector;  
Designing of Plants and Manufacturing Lines (Equipment in the Steel Wire Sector);

- Heat Treatment Lines and Furnaces;
- Surface Preparation – Cleaning and Coating Lines;
- Steel Wire Drawing and Rolling Lines;
- Steel Wire Coating and Painting Lines;
- Hot Dip Galvanizing Lines;
- Continuous Annealing, Austenitizing and Patenting Lines;
- Stranding and Bunching Lines;
- Packing, Spooling, Re-spooling and Re-coiling Lines;
- Zinc Wiping Systems;
- Testing, Control and Automation Systems
- Accessories.

Installation and Commissioning

#### Our Memberships

IWMA, International Wire and Machinery Association;  
WAI, The Wire Association International

#### Quality Certificates

- ISO 9001
- ISO 14001
- CE Certified
- OHSAS Certified

#### Export Markets

Türkiye, Europe, CIS Countries, Middle East and North Africa, North America, Latin America



**CSM METALURJİ**  
İMALAT SANAYİ VE MÜHENDİSLİK LTD. ŞTİ

#### HOT DIP WIRE GALVANIZING LINES

- \* FLAT WIRE GALVANIZING PROCESSES
- \* STEEL KETTLES \* CERAMIC SINKER AND MECHANISM \* TURN TABLE PAY-OFFS \* DOUBLE POSITION OVER HEAD COIL/SPOOL PAY-OFFS
- \* ACCUMULATION DOUBLE BLOCK PAY-OFFS & TAKE UPS \* STATIONARY CAPSTAN TAKE UP FRAMES \* NITROGEN WIPING SYSTEMS
- \* AUTOMATIC OR MANUAL CONTROL PAD WIPING SYSTEMS

#### H & L CARBON WIRE DRAWING LINES

- \* DRY DRAWING MACHINES \* WET DRAWING MACHINES \* COILERS AND SPOOLERS \* PAY-OFFS \* MECHANICAL DESCALERS \* BRUSHING MACHINES \* SANDING MACHINES \* COATING UNITS \* SKIN-PASS UNIT \* ACID PICKLING UNITS

#### HIGH SPEED TUBULAR & PLANETARY STRANDER LINES

- \* TUBULAR STRANDER MACHINES
- \* PLANETARY STRANDER MACHINES \* PAY-OFF UNITS \* ROPE LUBRICATION DEVICE
- \* STRANDING UNITS \* STRAIGHTENING UNITS
- \* PREFORMING UNITS \* ROLLER TYPE COMPACTING UNITS \* TAKE-UP UNITS

[www.csmmetal.com.tr](http://www.csmmetal.com.tr)



**ÇUKUROVA MÜHENDİSLİK SAN. VE TİC. A.Ş.**

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**Phone** +90 212 668 42 53

**Fax** +90 212 667 50 55

**Web** www.cukurovamuhendislik.com.tr

**Address** Defterdar Mahallesi, Otaçlılar Caddesi No:80 Kar Plaza No:6 Eyüp-İSTANBUL / TÜRKİYE

Cukurova Engineering was established in 1984 and main business issue is to supply and manufacture of industrial furnace, chemical process equipments, mechanical contracting and industrial automation systems for iron and steel, glass, chemical and energy industries.

Located with head office in Istanbul,Turkiye, Cukurova Engineering serve in facilities that found in Hadımköy,Istanbul and K.Ereğli,Zonguldak through specialist team. Mechanical & Automation departments is placed in our company. By means of this strength, Cukurova Engineering serviced the turnkey solutions from one hands is to provide time-gain, comfort, easy-inspection to our valuable customers .

**Products**

- Ladle Preheaters Stations
- Ladle Drying Stations
- SEN (Sub Emerged Nozzle) Preheaters
- Tundish Preheaters
- SES (Sub Emerged Shroud) Furnaces
- Blast Furnace Runner Heater
- Torpedo Heaters
- Tunnel Type Furnace
- Sand Core and Mold Drying Ovens
- Box Type Furnace

**Related Sectors:**

- Iron & steel
- Chemical
- Glass
- Energy

**Quality Certificates**

- ISO 9001 2015
- ISO 14001
- ISO 45001





**DOĞUŞ  
MACHİNE**

DOĞUŞ DÖKÜM MALZEMELERİ A.Ş.

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Phone +90 444 28 81 FAX +90 216 504 60 94

Web [www.dogusmetal.com](http://www.dogusmetal.com)

Address İTOSB 9. Cadde No.6 Tepeören / Tuzla / İstanbul / Türkiye

Doğuş Metal was established in 1998 as Doğuş Metal collective company in order to serve the Turkish Casting Industry. Since 2001, Doğuş Metal has been serving the Turkish casting industry for 26 years in total since 1998 with the title of Doğuş Döküm Malzemeleri Kimya Müessesliği İç ve Dış Ticaret Ltd. Şti., since 2008 with Doğuş Machine and since 2017 with the title of Doğuş Döküm Malzemeleri AŞ. Our company serves the Turkish casting industry with its pre and after sales technological services by cooperating with the leading companies of the sector, which are recognised worldwide and have international reputation. It has always been open to new ideas, new products, new solutions and new collaborations. We will continue this development and cooperation process by further developing it. Our company provides technical information to our customers on all consumables required for aluminium high pressure injection moulding, aluminium gravity casting, aluminium sand casting, low pressure, aluminium hot and cold forging, maximises the casting quality in foundries, imports and sells from stock all the equipment required to minimise casting waste and designs and manufactures special machines. The main alloys for which the machines and equipment are used; copper alloys- brass gravity casting, sand casting, all consumables for hot forging in forging, sic foam filters for ductile cast iron, grey cast iron and consumables, zirconium based foam filters for steel casting, separators for injection machines. Our goal is simple and single: To fulfil the demands of our customers at the highest level. Today, foundries need quality products at low cost in order to compete against ever-increasing energy and labour costs. Working together with our customers, we aim to meet these demands by supplying appropriate products and services through development and implementation. Doğuş always follows the latest technological developments in Europe and the world and transfers them to its customers instantly with its expert and ever-expanding staff. As Doğuş Family, we are proud to serve our valued customers.

#### Our Products / Our Services

- Syalon thermocouple sheath heater tubes
- Degassing and slag removal machines for non-ferrous metals
- Degassing machines for aluminium continuous casting
- Vacuum density testers
- Fully automatic alloy feeding machines
- Flux feeding machines
- Fully automatic forging lubrication robot
- Automatic piston lubrication systems
- Ladle heating unit
- Transport ladles
- Aluminium melting furnaces
- Liquid metal transfer pump

#### Related Sectors:

Iron and Steel, Aluminium, Ceramics, Glass, Cement, Industrial Furnace Manufacturers, Heat Treatment, Automotive, Construction, Chemical, Jewellery, Heat Treatment, Petrochemical Industries.

#### Export Markets

Türkiye, Europe, CIS Countries, Middle East and North Africa, North America, Latin America

### DOĞUŞ DEGASSING AND SLAGGING OFF MACHINES

**★ 2024 New Version**

**PATENTED PATENTED PATENTED**

Melting Temperature: 796 °C  
Syalon Sheath

Transport Ladle

SIC Rotor Shaft and Baffle Plate

Copper Granules

Aluminum Alloys

Getting Reports

Fluxes

Ambient Temperature Conditions: 20.5 °C

Optimized Process Parameters

GGM Real Parameters

Weighting Model

Weighting Vacuum Density Tester

**PATENTED PRODUCT**

### DOĞUŞ VACUUM DENSITY TESTERS

**★ 2024 New Version**

Laboratory Type Vacuum Density Tester

Weighing Model

**TECHNICAL FEATURES**

- SIEMENS PLC control
- Vacuum with 80 ± 1 mbar sensitivity
- Sample pre-heating chamber
- Ergonomic design

Comparison of results:  $d_{Al} = 2.62 \text{ g/cm}^3$  (marked with a red X) vs  $d_{Al} = 2.35 \text{ g/cm}^3$  (marked with a green checkmark).

### DOĞUŞ VACUUM DENSITY AND SOLIDIFICATION ANALYZE TESTER

**ADVANTAGES**

- Aluminum solidification curve is obtained thanks to its thermal analysis feature.
- Temperature and time limitations can be specified on the solidification curve.
- Data can be exported and analyzed over the curve.
- Data prescriptions can be created according to the relevant standards.

**LADLES, CRUCIBLES AND TONGS**

**PATENTED PRODUCT**





# "THE GLOBAL SOLUTION PARTNER FOR FOUNDRIES"

## HIGH CONDUCTIVE GERMAN CRUCIBLE AND ACCESSORIES

**MAMMUT-WETRO**  
Schmelztiegelwerk GmbH  
Since 1875

NATO kod-T74 53

MADE IN GERMANY  
TUV

SiC XY    SiC XO    SiC X    Graphit IM    Graphit

**Silicon Nitride Thermocouple Protective Sleeves and Heater Tubes**

Outer Diameter (mm)	Inner Diameter (mm)	Max. Length (mm)
16	8	550
16	9	2000
22	12	2000
28	16	2000
12,5	6,5	1000
18	16	500
14	8	150
10	5	116,5

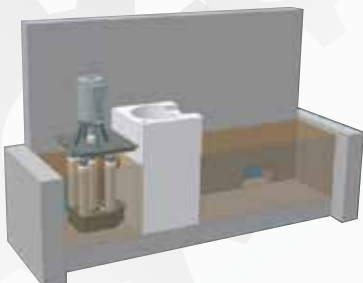
SiC Thermocouple Protection Sheaths

## HIGH TEMPERATURE SYSTEMS



- Circulation Pumps
- Transfer Pumps
- Lined Transfer Pipe
- Chip Melting and Alloying Systems

- Portable/Semi Automated Flux Injection Systems
- Automatic Rotary Degas and Flux Injection Systems
- Support Systems





**EFESMETALURJİ**  
Endüstriyel Fırınlara ve Ekipmanları Servisi

EFES METALURJİ REFRAKTER İNŞAAT İZOLASYON İÇ VE DIŞ TİC. SAN. LTD.ŞTİ.

**Contacts Hakan ONFİDAN / Muhammet BALCI**

**E-mail** info@efesmetalurji.com

**Phone** +90 546 430 73 66 | 0546 543 62 44 **Fax** +90 326 755 33 38

**Web** www.efesmetalurji.com

**Address** Azganlık Street, on E-91 Highway, No:21/1 İskenderun - HATAY / TURKEY

Efes Metallurgy company was founded in 2012. Efes Metallurgy is customer-oriented work by providing analytical solutions to refractory applications in the assembly of many industrial plants, and was established with the aim of closing the gap of professional refractory assembly companies in the sector.

Efes Metallurgy specializes in minimizing disruptions to steel plants, oil and gas plants, cement factories, glass and lime industries, and power plants by partially closing targeted areas of a plant, providing a comprehensive service including any demolition or partial reconstruction of an existing plant, and refractory materials are applied, repaired and replaced.

Efes Metallurgy has adopted as a company policy to make every project started with its best and reliable vision in refractory applications sustainable quality with timely and high-level techniques and strong engineering staff.

#### Application Services

- Turnkey refractory assembly applications
- Molded and unmolded refractory materials
- Maintenance and Installation of Refractory Linings
- Thermal power plants, boiler, gas lines, chimney refractory applications
- Refinery and petrochemical industry all refractory applications
- Blast furnace refractory applications
- Steel plant and rolling mill arc furnaces, tandish and Ladle refractory applications
- Cement, lime furnace and aluminum melting furnace refractory applications

#### Products

Fireclay-Firebrick-Bricks, Gunning-Low or High Cemented Concretes-Cement-free Concretes-Insulation Concretes-Plastics, Special Shaped Products, Ceramic Fiber Materials and Blankets, Calcium Silicate Plates, Insulation Bricks Stud, Stainless Steel Pin, Stainless Steel Anchor, Ceramic An-chor, Ferro Alloys

#### Related Sectors:

- Iron and Steel Plants
- Cements, Petrochemical Industry
- Power Plants
- Glass Industry
- Lime-Kiln
- Acid Industry
- Aluminium

#### Quality Certificates

- ISO 9001:2015
- ISO 14001:2015
- ISO 45001:2018





EKW TURKEY REFRAKTER TİC. LTD.

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Phone +90 212 809 4021 Mobile +90 542 132 8029 Fax +90 850 220 0451

Web [www.ekw-refractories.com](http://www.ekw-refractories.com)

Address Göktürk Merkez Mahallesi, Istanbul Caddesi 1.Begonya Sokak No: 2, Arcadium Life 3 D:67 Eyüpsultan/ISTANBUL

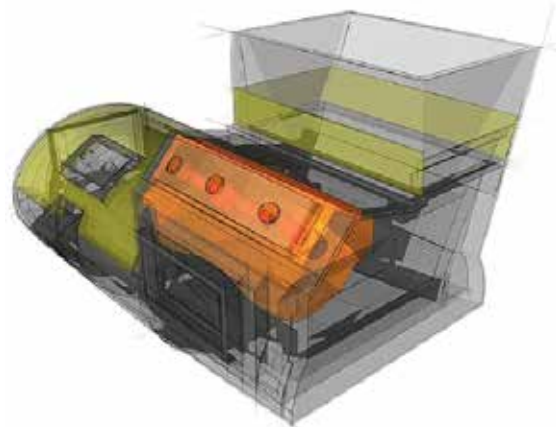
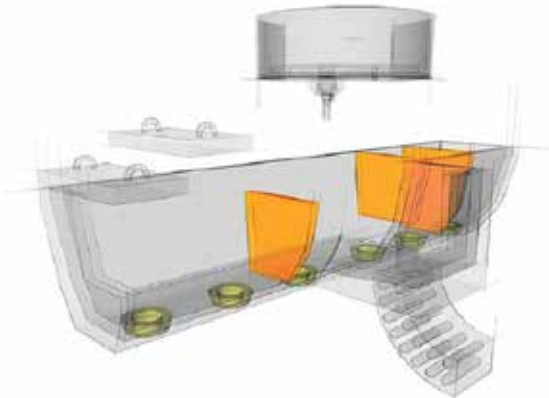
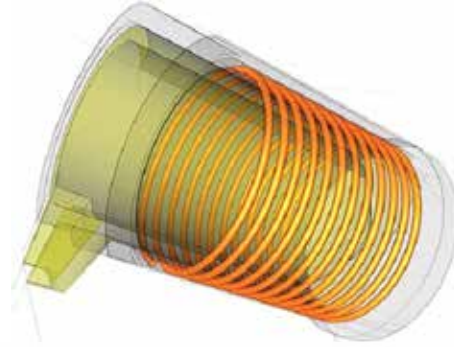
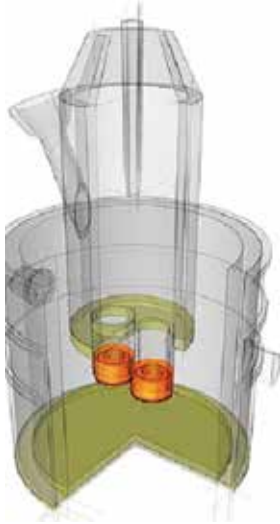
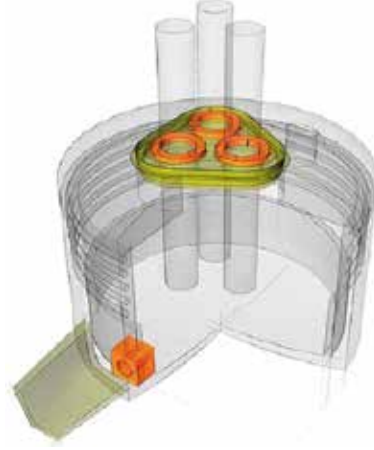
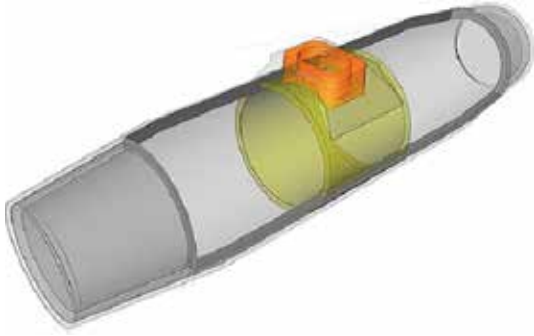
Enjoying the 120th anniversary of foundation in 2023, EKW, operating the state-of-the-art plants in Eisenberg/Pfalz, Brasil, Mexico and Turkey manufacture comprehensive portfolio of refractory concretes, neutral, basic, acidic semi-plastic and dry-vibration masses as well as specific materials for all repair and gunning work. The described product range covers all application forms and requirements that customers from the steel and iron foundry as well as from the steel, aluminum, cement, lime, environmental, energy and chemical industries have today placed on refractory materials.

#### Our Products / Services

Complete refractory engineering, mass scale and tailor-made product development, production and installation services

#### Quality Certificates

ISO 9001: 2015  
ISO 50001: 2018



# Elimko

ELİMKO ELEKTRONİK İMALAT VE KONTROL TİCARET LTD. ŞTİ.

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Web [www.elimko.com.tr](http://www.elimko.com.tr)

Address Ankara Sanayi Odası 2. OSB, Alcı Mahallesi 2001. Cad. No:14, Temelli, 06909, Ankara / TURKEY

Elimko has been involved with AUTOMATIC CONTROL since 1976. After its establishment, Elimko started to serve the Turkish industry and foreign countries through its range of indicators, paperless recorders, controllers, converters, scanners and sensors for process control systems. Especially Elimko is very well known name in producing Thermocouples, Resistance Thermometers and other sensors. Elimko started to establish complete automatic control systems and placed its signature to many "firsts" in Turkey. With the experience gained, Elimko has been building Automatic Control Systems in several countries through its agents and subcontractors. These activities made Elimko a RELIABLE NAME IN AUTOMATIC CONTROL SYSTEMS AND TURN-KEY CONTRACTS. With the manufacturing of solid flow rate measurement and Dosing Elements, Weighing Units, Level Sensors and similar devices, it has a good reputation both in Turkey and foreign countries.

#### Related Sectors

- CEMENT INDUSTRY
- CERAMIC & PORCELAIN INDUSTRY
- CHEMICAL, PETROCHEMICAL RAFINERIES
- OIL & GAS RAFINERIES
- FOOD INDUSTRY
- FURNACE INDUSTRY
- GLASS INDUSTRY
- IRON & STEEL INDUSTRY
- POWER PLANTS & STEAM BOILERS
- AND MANY OTHER INDUSTRIES' BRANCHES

#### Products

- Thermocouples, resistance thermometers,
- Thermowells,
- Indicators, scanners, furnace control instruments,
- Touch panel paperless recorders and controllers,
- Belt feeders, dosing belts, weighing equipments,
- Complete turn-key projects including mechanical parts and buildings.

#### Quality Certificates

- EN ISO 9001 Quality Management Systems-Requirements
- EN ISO/IEC 17025 General requirements for the competence of testing and calibration laboratories
- Service Compliance Certificate
- CE Certificates

#### Export Markets

Middle East Countries, United Arab Emirates, Gulf Countries, Saudi Arabia, Central Asia Countries, India, Iraq, Iran, Azerbaijan, Russia, Algeria, Mexican, Germany, Portugal, Spain, Romania, Bulgaria, and other many European countries and etc..



**Electronic Control Instruments**



**Touch Panel Recorders & Controllers**



**Thermocouples, Resistance Thermometers & Thermowells**



**Level Detectors**



**Accredited Temperature Calibration Center**



**Calibration Equipments**



**Sensors Manufacturing**



**Thermowells with Gun Drill Machine**



## EMS EMRE ISI ENDUSTRİ MAKİNALARI SAN. TİC. A.Ş.

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**Fax**

**Web** www.emremakina.com.tr

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Our company EMRE ISI INDUSTRIAL MACHINERY has been operating in the field of INDUSTRIAL FURNACE since 1991. Our company is one of the leading companies in the sector. Heat treatment facilities, annealing furnaces, atmosphere controlled furnaces, special process furnaces, metal industry lead, zamak, aluminum and brass melting furnaces, hot forming furnaces, enamel baking furnaces and all kinds of maintenance and repair services are provided.

Our company is specially designing our products according to the needs of the customers. Our vision as a company is to solve the problems of our customers in the most appropriate and short time.

We are designing the company to operate fully automatic according to the desired capacity in atmosphere controlled furnaces. We use all the possibilities of developing technology to provide the best service to our customers especially in w pit type and continuous type furnaces in atmosphere controlled heat treatment furnaces. Basic processes used in heat treatment such as carburizing, nitriding, carbonitriding, normalization, hardening, tempering can be applied in such furnaces.

We design and manufacture furnaces with a capacity of 1 ton to 200 tonnes for foundry industry.

We are producing a new generation energy-saving 20t / charge-capacity pit type and bell-type furnaces for the wire industry. Projecting with young and dynamic staff, beginning of production, repair and maintenance service is done fast and professionally.

### Products

- Pit Type Atmosphere Controlled Heat Treatment Furnace
- Car Bottom Annealing Furnace
- Bel Type Wire-Strip Annealing Furnace
- Continuous Furnaces

### Export Markets

Germany, Bulgaria, Azerbaijan, Nigeria, Turkmenistan, Kazakhstan, Algeria



# ENDUTHERM®

ENDÜSTRİYEL FIRIN MAK. SAN. TİC. LTD. ŞTİ.

Contacts **Engin ÇAKIR**

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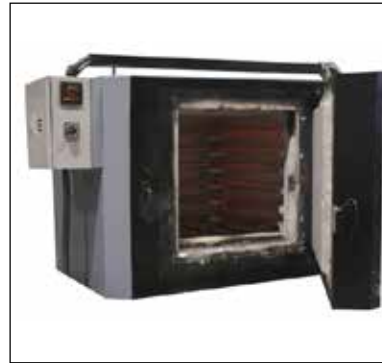
Phone +90 532 315 39 59

Web [www.endutherm.com.tr](http://www.endutherm.com.tr)

Address Kurtköy Sanayi Mahallesi Yıldırım Beyzid Cad. No:53/1 Pendik-İSTANBUL

## About Our Company

Endutherm we have been responding to customer needs in the industry and sub-industry sector for 25 years with industrial furnaces that we manufacture using quality materials and latest technology. Our company, which aims to fully meet customer demands and to constantly renew itself, has become a preferred organization in its sector with its products.





**ERA**  
ENDÜSTRİYEL RÖLE İMALAT  
SANAYİ VE TİCARET LTD. ŞTİ.

ERA ENDÜSTRİYEL RÖLE İMALAT SAN. TİC. LTD. ŞTİ

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**Fax** +90 216 340 80 54

**Web** www.eraendustriyel.com.tr

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Founded in 1980, Era Endüstriyel specializes in flame control systems for various industrial processes, particularly in the Glass, Iron and Steel, Ceramics, Aluminium, and Food industries. It offers product supply, sales, after-sales service, and automation services.

In 1981, Era Endüstriyel produced the first Ultraviolet Flame Detectors in Turkey. Simultaneously, it expanded its production portfolio to include domestic-type photocells for liquid fuel burners, catering to the needs of companies in the heating sector. With the proven quality of these products, Era Endüstriyel began manufacturing flame control equipment according to customer demands, thereby enhancing working systems and combustion efficiency and facilitating the work of combustion engineers. It has developed process-specific integrated solutions in line with technological advancements and standards.

In 2007, to support its own production capabilities, Era Endüstriyel became the Turkish representative of Esa Pyronics, a manufacturer of heavy industry burners. Additionally, in 2011, it began representing Econex, a producer of gas pipeline armatures and combustion system equipment.

Since 2004, Era Endüstriyel has been producing the 'Programmable Electronic Servomotor,' designed to enhance combustion processes. These servomotors have undergone extensive in-house and heavy industry testing. In 2017, they were granted a utility model certificate by the Turkish Patent Institute under the registered Merkür brand name.

Era Endüstriyel continues to serve its customers by producing effective control equipment for various industries.

#### Our Products / Services

- Burner Control Units
- Flame Monitors
- Flame Detectors
- Actuators
- Combustion System Spare Parts

#### SMART SYSTEM FOR GAS BURNERS

- Selectable Analog Input option
- Changeable Rotation direction
- Working with Modbus RS485
- With Android or Windows software via Bluetooth remote manual operation, program monitoring and changing feature,
- 304 Stainless square motor connecting shaft
- Selectable Analog Output option
- 2 Digital Input options
- Protection class in IP 67 Standards

#### Related Sectors:

- Iron and steel Industry
- Glass Industry
- Textile Industry
- Food Industry
- Aluminium Industry
- Foundry Industry
- Ceramic Industry

#### Quality Certificates

- ISO 9001: 2015
- EN 13611
- EN 426
- TR 2016 13147Y
- EN 60730-2-5
- EN 298
- EAC TR.PA02.B.50223/21

#### Export Markets

Africa, Asia, Europa, Russia

Smart System for Gas Burners  
**ERIS-GC2.1**



- Operating steps and error messages on the display screen
- Two-color status signal on the front panel
- Pre-program flame error notification
- Operation with electrode or UV (Rectification) photocell
- Adjustment of operation times according to customer demand
- Flame entry protection during ignition

Programmable Servomotor  
**Merkür SSM-6**



- Programming steps and error messages on the display screen
- Analog Input option
- Analog Output option
- Reversible direction
- 2 Digital Input options
- Operation with Modbus RS485
- IP 67-Rated protection
- Remote manual operation, program monitoring, and modification feature with Android or Windows via Bluetooth
- 304 stainless square motor connection shaft

Flame Detection Device for Gas Burners  
**ERIS 3A2**



- Display of operating steps on the screen
- Adjustable pre or post delay
- Safe Start Control (SSC) feature
- Low voltage detection
- Operation with electrode, UV photocell, or UV (Rectification) photocell
- Signal tracking in PLC-based systems
- Photocell control with dynamic self-check

**ERIS-4F3**



- Operating steps and error messages on the display screen
- Two-color status signal on the front panel
- Pre-program flame error notification
- External reset option
- Ignition transformer, mountable inside the case (TAR-10 or TAR-12)
- Operation with electrode or UV (Rectification) detector
- Adjustment of operation times according to customer demand
- Flame entry protection during ignition

UV Detectors  
**ERIS-1 / ERIS-2 / ERIS-3**



- High-sensitivity UV tube
- 1/2" or 1" connection option
- HIRSCHMANN / 125°C connection socket
- Aluminium body in a protected structure
- 3mm Quartz protective glass

Pilot Burners for Gas Burners  
**AYC PB**



- 304 stainless combustion chamber
- 310 stainless combustion nozzle
- Cast mixer
- Combustion chamber options of 10mm, 30mm, 45mm



EYS ENERJİ YAKMA SİS. SAN. TİC. LTD. ŞTİ.

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Fax +90 216 377 67 32

Web [www.eysenerji.com](http://www.eysenerji.com)

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Our company is started in 1999 in Cukurova Heating Systems as a process department. After years, to be concentrate for main process project, EYS Enerji had been established in 2013 in Istanbul.

EYS Enerji Ltd offers turnkey combustions systems. We are designing, engineering, installing, testing and commissioning for all request of custom combustion applications.

EYS Enerji Ltd is working with over hundred years combustion engineering technology manufacturers. Eclipse is main supplier for engineering systems. For last 20 years, we did projects in especially automotive, metal, glass, food, textile, after turbine and chemical process. Flynn burner for food and surface treatment system, Red-Ray infrared burners, are other burner manufacturers.

All combustion systems are engineered to provide optimum design, maximum efficiency, reliable operation, and to help thermal process more profitable and successful. EYS Enerji is offering fast customer service and start-up assistance.

#### Products

- Process Gas Burners
- Engineering Systems
- Installation - testing - commissioning.
- Nozzle-mix - Pre-mix Combustion Systems
- Servicing

#### Related Sectors:

- Metal
- Textile
- Ceramic
- After Turbine
- Automotive
- Food
- Drying
- Glass
- Sanitary
- Chemical

#### Export Markets

Europe, Azerbaijan, Middle East

#### TEMSİLCİLİKLERİMİZ / OUR DISTRIBUTORS







FORNAX MÜHENDİSLİK VE YAZILIM SAN. TİC. A.Ş.

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Phone +90 216 377 67 33

Fax +90 216 377 67 32

Web [www.fornaxsoftware.com](http://www.fornaxsoftware.com)

Address Yalı Mh. Topselvi Cd. Mai Rezidans B Blok D:36 Kartal / İSTANBUL

Fornax based on Kartal Istanbul , established in 2019. Fornax is an engineering and software company. We supply high quality spare parts for industrial furnaces in heat treatment industry, also provide service in all matters related to heat treatment and expert consultancy to customers. We provide customer specific industrial software & automation and data collection systems. Our company is particularly successful in the area of energy-saving heating systems Self Recuperative Burners. We also specialized for Heat Treatment Atmosphere Control systems and serve for professional solutions for our customer.

Especially our software's for industrial furnaces are directly compatible with AMS.

#### Products

- SSI Oxygen Probes
- Atmosphere Control Units
- WS Self Recuperative Burners
- 2nd Hand Furnaces
- Furnace Revisions
- WEB SCADA
- Automation

#### Related Sectors:

- Industrial Furnace Industry
- Heat Treatment Industry
- Forging Industry
- Bolt and Screw Industry
- Aluminum Cast Houses and Extrusions Industry

#### Quality Certificates

ISO 9001, OHSAS 18001

#### Export Markets

Europe, Middle East



ENGINEERING AND SOFTWARE



[WWW.FORNAXSOFTWARE.COM](http://WWW.FORNAXSOFTWARE.COM)



IDEAL MODEL DÖKÜM SİSTEMLERİ SAN. TİC. A.Ş.

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Phone +90 262 502 12 62

Fax +90 262 502 12 63

Web [www.idealmodel.com](http://www.idealmodel.com)

Address Cerkesli IMES OSB. 17. Cad. No:1 Dilovası/Kocaeli TÜRKİYE

IDEAL MODEL was founded in 1981 in Istanbul, Turkey, and achieved significant goals in a short time with successful projects. We expanded our core business from pattern making to spares and foundry machines especially used in iron and steel foundries at that time.

Our company is not limited but mainly focused on; turnkey foundry projects, consultancy, feasibility, production of foundry machines and equipments, consumables used in foundries, foundry patterns and molds, etc. key businesses.

IDEAL MODEL has become a global brand with the overall technical and trust which has been earned for over 40 years in this business.

#### Products

We produce signature foundry machines as bulk production, also design and produce tailor-made foundry machines and equipments as well. We've patented and globally known products such as automatic pouring ladles, casting pouring machines and refractory ramming machines for induction furnace lining procedures.

- Green Sand Molding Lines
- Resin (No-bake) Sand Molding Lines
- Lost Foam Molding lines
- Investment Casting Systems
- Vacuum Molding Lines
- Die Casting Systems (LPDC and GDC)
- Riser Sleeve Production Lines
- Software and Automation Applications
- Laboratory and Test Equipments for Foundries

- Refractory Ramming Systems
- Foundry Ladles
- Ladle Preheating Systems
- Gearboxes for Foundry Ladles
- Automatic Pouring Machines
- Slag Skimmer
- Green Sand System Equipment and Machines
- Resin Sand System Equipment and Machines
- Pattern and Core Boxes

#### Engineering

We provide turnkey foundry facilities, concept foundry engineering, casting process flow design for maximum efficiency, feasibility works, technical and commercial consulting services with our over 40 years of experience in foundries.

#### Trading

Side by side with our trading office in China, we distribute our services through our representatives and synchronously we collaborate with our global solution partners for importing and exporting.

- Representatives
- Partners

#### Global Partners

- SECO/WARWICK: Heat Treatment Systems
- PRIMAFOND: Core Machines
- WANFENG: Die Casting Systems
- HIDEA: Green Sand Preparation Plants
- KELSONS: Sand Testing Equipments
- PALMER: Resin Sand Molding Systems
- RUIOU: Lost Foam Molding Systems
- AMSKY: Sand Printing Machines
- WM: Automatic Grinding Machines

#### Quality Certificates

- ISO 9001: Quality Management System
- ISO 14001: Environmental Management System
- ISO 45001: Health and Safety Management System



# IFPA

f u r n a c e



IFPA MAKİNA MÜHENDİSLİK SAN. EV TİC. LTD. ŞTİ.

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Web <https://www.ifpa.com.tr>

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IFPA was founded in 2011. We are customer-oriented company which aimed to deliver best product according to customer requirements. Our heat treatment process experience from 2004 allows us to talk same language with our customers.

From 2022 we have been supported our European customers with our sales and service office (Ifpa Industrial Furnaces BV) in Netherlands.

Ifpa offers effective and innovative solutions to its customers. Our main products is bell type annealing furnaces, gas nitriding/nitrocarburizing furnaces and cryogenic cabinets.

There is no important thing except satisfied customer for Ifpa. We are combined our experience with your manufacturing process and deliver robust and resilient product to our customers.

#### Quality Certificates

ISO 9001

#### Our Products / Services

- Bell Type Annealing Furnaces
- Gas Nitriding/Nitrocarburizing Furnaces
- Cryogenic Cabinets
- Heat Treatment

#### Related Sectors:

- Automotive
- Machine
- Aviation
- Steel
- Aluminium

#### Export Markets

Africa, Asia, Europe





# INDUCTOTHERM GROUP | TÜRKİYE

INDUCTOTHERM İNDÜKSİYON SİSTEMLERİ SAN. A.Ş.

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Web [www.inductotherm.com.tr](http://www.inductotherm.com.tr)

Address Barış Mah. 1803/2 Sk. No:10 Gebze-Kocaeli / TÜRKİYE

Inductotherm is the world's leading and largest manufacturer of induction melting and heating systems for the metals industry. Its main products include induction-melting furnaces and induction power supplies, charging and preheating systems, automatic pouring systems and computer control systems.

As you know, Inductotherm Group incorporates a worldwide network of Inductotherm companies providing a full range of induction melting and heating systems for the metals and advanced materials industry. Inductotherm-Turkey offers the best quality in accordance with the recent technology as a part of Inductotherm worldwide network. Inductotherm Turkey is established in 1990 and started manufacturing melting and heating systems in Turkey with Inductotherm standards and technology. Inductotherm is the first induction furnace manufacturer company manufactures in accordance to CE requirements in Turkey. Since 1999 we own ISO 9001 QMS certification too. And we are exporting to Middle East, Balkans, The Stans, North African Countries and Ukraine. You can find general information about our products on the attached catalogues and on our Web site, [www.inductotherm.com.tr](http://www.inductotherm.com.tr). We would be pleased to cooperate with your esteemed company and please do not hesitate to contact us from 444 4 173 if you have any specific questions.

## Brands

- Inductotherm
- Inductoheat
- Consarc
- Thermatool

## Quality Certificates

- CE Certificate
- EAC
- IQ NET
- ISO 9001
- YERLİ MALİ BELGESİ

## Export Markets

- Middle East
- Balkans
- Ukraine
- The Stans
- North African Countries



Coreless melting furnaces for all metals



Surface hardening systems



Automatic pouring systems



Modular billet heating systems



Computer controlled VIP induction melting power units



Pipe heating systems



İNDEMAK İNDÜKSİYON DÖKÜM MAKİNALARI SAN. TİC. LTD. ŞTİ.

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Web [www.indemak.com](http://www.indemak.com)

Address Bakırlı Mah. Arpalık Sok. No:19/A Kartepe/KOCAELİ

Indemak was established in 2006 and continues its activities over a total area of 5.000 m2 with covered area 3.000 m2. Indemak is specialized in developing and manufacturing of induction melting system with furnace capacity range from 10 kg to 12 Tons. The Duet Power and Single Power melting systems are its main products. Besides induction melting system, it also provides industrial induction heating processes in defined market segments.

Indemak has service points and representatives in different regions around the world and it has melting and heating systems in 26 countries such as USA, France, Ukraine, Russia, Poland, etc. As an induction melting and heating system manufacturer with customer-oriented service, leading technology and R&D capability, Indemak aims to have a contribution on improvement of foundries.

#### Products

- Induction Melting Systems range from 10 kg to 12 Tons
- Induction Heating Systems with various power supply power range
- Billet and Pipe Heating Systems
- Automatic Pouring Systems (Cooperation with Pour-Tech)
- Automatic Pouring System, Heated (Cooperation with Pour-Tech)
- Induction Holding Furnaces up to capacity 20 Tons.
- Supervision and Engineering for foundry installations
- Induction Coil Manufacturing and Repairing
- Service and Supply Spare Parts for Induction Melting Furnaces





## JUMO ÖLÇÜ SİSTEMLERİ VE OTOMASYON SAN. VE TİC. LTD. ŞTİ.

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Address Şerifali Mah. Bayraktar Bulvarı, Burhan Sok. No:1, Ümraniye / İSTANBUL

Moritz Kurt Juchheim founds the company M. K. JUCHHEIM, better known as JUMO GmbH & Co. KG (derived from the founder's name), in Fulda, Germany in 1948. He started manufacturing glass thermometers and glass contact thermometers with six employees in a 350 m<sup>2</sup> production area. Today JUMO has over 2000 employees in a 20,000 m<sup>2</sup> production area with the other product lines (pressure, control, liquid analysis).

JUMO is one of the leading manufacturers in the field of industrial sensor and automation technology. Our innovative product range includes the entire measuring chain from sensors to automation solutions for temperature, pressure, liquid analysis, flow rate, filling level and humidity.

JUMO sets the course for further growth at the Fulda location and purchases 100,000 m<sup>2</sup> of land. A completely new factory for sensor manufacturing will be built here in the next few years. JUMO has the production plant, sales office and dealer in 84 different countries. JUMO Turkey has been operating as sales office since 2008.

### Products

Temperature probes, temperature transmitters, process controllers, paperless recorder, thyristor power controllers, safety limiter/monitor, pressure transmitters, level probes, flow measuring devices, humidity sensors, contact dial thermostats, thermostats, thermometers, liquid analysis sensors and controllers.

### Quality Certificates

DIN EN ISO 9001 | DIN EN ISO 14001, Quality assurance according to Directive 2014/34/EU ATEX (CE0044), Quality assurance according to Pressure Equipment Directive 9/23/EC(CE0036), Directivi 2004/22/EC, German National Accreditation Body, DAKKS (German Calibration Service, DKD)/DIN EN ISO/IEC 17025:2005, DIN EN ISO 3834-3

### Export Markets

America, Asia, Europe, Middle East, Africa, Oceanic



More than **sensors + automation**



# DUNGS®

## Combustion Controls

KARL DUNGS SATIŞ VE PAZARLAMA LTD. ŞTİ.

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Web [www.dungs.com](http://www.dungs.com)

Address Yüksel Ofis Tatlısu Mahallesi Erkaya Sokak No:1 Kat:10 Daire 19-20 Ümraniye / İSTANBUL

DUNGS is a synonym for safe and clean gas combustion. In close cooperation with our clients we develop and manufacture innovative system solutions for the thermal and process heating industry and gas engine Innovations for and with our customers.

Innovations are not an end in themselves for us. They have to meet the requirements and offer a direct added value. We are a valuable original equipment manufacturer for producers of atmospheric and forced draught burners, condensing boilers, premix burners, gas engines and industrial process installations. Our subsidiaries serve clients all around the globe.

It is very likely that DUNGS is involved in the provision of heat for your premises. We cooperate with leading providers of gas burners and gas condensing boilers throughout the world. Our technology significantly improves energy efficiency and therefore the economic effectiveness and environmental impact of gas heating systems. DUNGS is a synonym for safety and long life.

DUNGS can offer proven solutions for industrial process heating, ranging from low temperature, slow heating of chocolate to the high temperature, melting of metals or burning hazardous waste. Contact your local representative for all your process heat requirements. We develop and manufacture tailored systems for various industrial applications, such as food production, metal, glass and ceramics production and steelmaking, DUNGS offers complete safety and control trains for gas engines used in CHP, power generation systems and cascaded power plants.

### Products

- Burner Management Systems Automatic Burner Controls.
- Pressure regulator
- Solenoid valves
- GasMultiBloc Multifunctional gas controls
- System engineering Gas trains
- Motor butterfly valve & Actuators
- Accessories
- Pressure switches for gas and air
- Double solenoid valves
- Valve proving system.
- Ball valve
- Filters

### Quality Certificaters

- ISO9001 Certificate
- CE0085 Certificate Gas Appliance Directive
- CE0036 Certificate Pressure Equipment Directive
- EU Type Conformity
- Overview International Approvals
- REACH Statement
- RoHS II
- CCC-Declaration
- Statement Dodd Frank Act
- Ethic Guidelines
- China-RoHS-II
- PED Certificate DUNGS Spain

### Export Markets - Headquarters & Subsidiaries

- China
- Germany
- France
- Great Britain
- Italy
- Japan
- Netherlands
- Austria
- Russia
- Spain
- Turkey
- U.S.A.
- India





## KARTAL BOMBE SANAYİ

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Address Dilovası O.S.B 4. Kısım Ceyhan Caddesi No.25 Gebze/KOCAELI/TURKEY

Our company Kartal Bombe ve Basınçlı Kaplar A.Ş. started its journey in the sector in 1945. Manufacturing of dished heads and dished heads products, production pressure equipment, heat treatment and section manufacturing of spherical tank are the services we offer to our customers.. Our products and services; We will work to provide our customers with internationally set standards and to improve our performance with the parameters we follow. We have been designing and manufacturing our own machines and molds since the 1970s. We continue our R & D studies not only for the product but also for the machines we manufacture the product. This feature gives us the opportunity to directly meet the demands of our customers. Heat treatment, which is very important for material science, is applied in order to achieve a significant change in the structure of metals and alloys. The main heat treatment methods we can apply are:Spheroidize annealing (Full annealing), Stress Relieving Annealing, Recrystallization Annealing, Normalizing Annealing, Quenching. Our company which has the largest capacity in means of heat treatment furnaces, our company is able to perform heat treatment applications in accordance with the international standards and customer demands for the bending and external products. Apart from this, we also provide heat treatment equipment by manufacturing the body of vacuum tanks, furnaces and tank manufacturing.

### Our Products / Our Services

- Dished Head Manufacturing
- Section and Pipe Bending
- Pressure Equipments
- Heat Treatment
- Tank Closures
- Spherical Tank Manufacturing

### Our Certificates

- ISO 9001
- ISO 45001
- ASME U
- ASME S
- GOST-R
- AD-2000 Merkblatt HP0
- PED 2014/68/EU Section 4.3
- ISO 14001
- ISO 3834-2
- ASME U2
- ASME NB
- AD-2000 Merkblatt W0
- PED 2014/68 EU Section 3.1
- ADR/RID

### Export Markets

Africa, Asia, Australia, Europe, North America, South America



+90 (262) 724 92 92

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[info@kartalbombe.com.tr](mailto:info@kartalbombe.com.tr)



## META-MAK METALURJİ MAKİNA MÜMESSİLLİK LTD. ŞTİ.

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Address Kaptan Paşa Mah. Piyalepaşa Bulvarı No:77 Famas Plaza B Blok Kat:5 D:73-74 34384 Okmeydanı - Şişli - İstanbul - Türkiye

Meta-Mak Metallurgy Machinery company working for Turkish Iron&Steel and foundrymarket since 1973.

Meta-Mak is basically an engineering company and technical advisor for ferrous and non-ferrous metal production, additionally represent the following companies for industrial furnace activities.

For furnace activities related principals;

-Altek (UK)

-T.T. Tomorrow (Italy)

-ALD Vacuum (Germany)

-SMS- IAS-Omav Group (Germany)

### Products

- Vacuum Melting
- Induction Heating And Melting Systems
- Copper Tube Production Lines
- Aluminium Metal Production Lines
- Aluminium Furnace Charging Cars/Equipments
- Drosses Presses

### Related Sectors

Aluminium and Copper Products

### Export Markets

Asia and Middle East



# METRONİK

ÖLÇÜ KONTROL TERMOELEMAN SAN. VE TİC. A.Ş.

METRONİK ÖLÇÜ KONTROL TERMOELEMAN SAN. VE TİC. A.Ş.

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Web www.metronik.com.tr

Address Beylikdüzü Org. San. Böl. Bakır ve Pirinç Sanayicileri Sitesi Meneke Caddesi No:9 34524 Beylikdüzü - İstanbul

Metronik is one of the leading manufacturers in the field of industrial temperature sensors and automation solutions since 1990. Metronik has been very reputable brand name in producing various Thermocouples, Resistance Thermometers and thermowells. Our innovative product range includes the entire measuring chain from sensors to automation solutions for temperature, pressure, level, humidity, flow measurements; such as process control devices, indicators, temperature transmitters and signal converters, scanning, recording and alarm devices (paperless recorder), thyristor power controllers, relative/dewpoint humidity sensors, pressure transmitters.

## Quality Certificates

- EN ISO 9001 Quality Management Systems-Requirements

## Export Markets

Middle East Countries, Iraq, Iran, Azerbaijan, Russia, Egypt and other.

## Products

- Thermocouples, resistance thermometers
- Thermowells,
- PID process / Prole controllers
- Touch panel paperless recorders and controllers
- Thyristor power controllers
- Pressure transmitters
- Level probes,
- Flow measuring devices
- Thermocouple cables

## Related Sectors

- Iron & Steel Industry
- Furnace Industry
- Ceramic & Porcelain Industry
- Cement Industry
- Plastic and Packaging Industry,
- Chemical, Petrochemical Refineries
- Food Industry
- Machinery Industry
- Glass Industry
- Automotive Industry



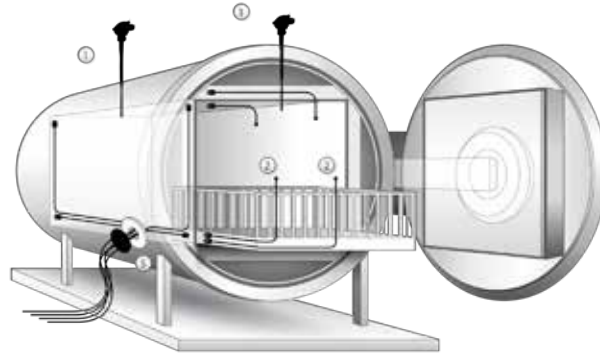
Rezistans termometre



Proses Kontrol Cihazları



Kayıt Kontrol Cihazları



Termokupllar



Seviye Transmitterleri ve Anahtarları



Basınç Transmitterleri



Kütleli Debi Ölçerler

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**Phone** +90 212 415 58 29 | +90 532 252 50 00 **Fax** +90 212 415 58 32

**Web** www.multimetal.com.tr

**Address** Seyitnizam mah. Demirciler Sitesi 4. Yol No: 45, 34015, Zeytinburnu - ISTANBUL / TURKEY

Since 1985, our experienced team at MultiMetal has been supplying high quality stainless steel (inox) raw materials to the European and Asian furnace manufacturing industries. MultiMetal also produces radiant and heat-exchanger tubes for the furnace industry.

As well as the standard grades (304/L, 316/L/Ti, 321, 310S, 303, 420, 430F, 431), we deal with the following special grades: 1.4462, 1.4410, 1.4418, 1.4313, 1.4006, 17-4PH (1.4542), 15-5PH, Inconel 601, Monel 400.

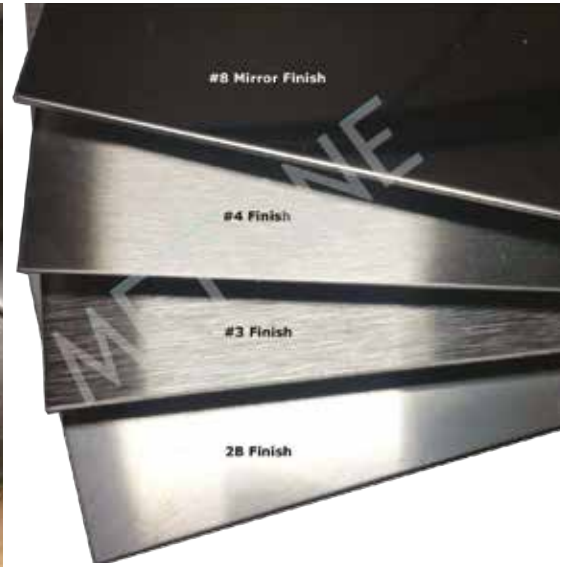
Materials can be cut to specifications using laser, plasma and sher machines. Additionally, we can cut materials using horizontal & vertical cutting machines.

#### Products

- Stainless steel coil & sheets
- Stainless steel plates & quarto plates
- Stainless steel round, hexagonal, flat and angel bars (Some beam channels also available)
- Stainless steel round, rectangular and square tubes (welded and seamless)
- Stainless steel fittings (welded and seamless, also available high pressure ones)
- Stainless steel acc. to your inquirement radiant & heat-exchanger tube
- Nickel Alloys & Duplex grades

#### Related Sectors

- Energy (Hydroelectric, geothermal power plants, electrical panels)
- Food (Kitchen utensils, equipments, furnace)
- Automotive (Mould, spare parts)
- Chemicals & oil-chemicals industry.
- Steel industry
- Water treatment
- Furnace industry (radiant & heat-exchanger tubes)



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Address Ostim OSB Mah. 1140. Sokak No:25 Yenimahalle / ANKARA

Nevola Engineering Company is established in 2015 to produce high temperature furnaces in ANKARA. Our furnaces are used in various R&D and industrial applications operating between 300-1800 ° C Degrees.

Our devices are being used with "THERMNEVO" brand in domestic and foreign markets.

All of our products have been manufacturing in accordance with ISO 9001 quality control standards and CE norms. The importance of safety, durability, energy efficiency and long-term usage principles is well known in our company, so our engineering and manufacturing departments have adopted these principles and our quality policy has been established in this direction. With this business vision, our company has easily taken place in the sector and in a short time it has become one of the pioneer company in Turkey.

We combine specialist staff with engineering and design capabilities to offer our customers exclusive devices. Also for the customer satisfaction; We are able to offer in just in time effective solutions with our experience required custom design devices

Nevola Engineering company, we are developing ourselves in order to offer our customers innovative products by using technology and proceeding with sure steps in domestic and foreign markets by expanding our product range day by day

#### Our Products / Our Services

- Laboratory furnaces
- Chamber furnaces
- Split Furnace
- Ceramic/ Porcelain Furnace
- Cupelation Furnace
- Muffle Furnaces
- Tube Furnaces
- Melting Furnace
- Glass Fusion Furnaces
- Heat Treatment Furnaces

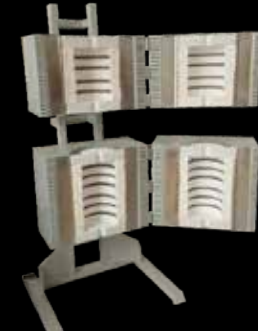
#### Related Sectors

- Laboratory
- Defence & Aerospace,
- Mining Industry
- Cement And Asphalt Industry
- Glass Industry
- Energy
- Metallurgy
- Foundry
- Chemical Industry
- Food Industry
- Plastic Industry
- Recycling

#### Export Markets

Africa, Asia, Australia, Europe, Middle East

[www.nevola.com.tr](http://www.nevola.com.tr)



# ORDEL

ORDEL ORTADOĞU ELEKTRONİK SAN. VE TİC. LTD. ŞTİ

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Address Ostim OSB Mah. 1250 Cd. No:10 Yenimahalle / ANKARA

ORDEL has been involved to world of automatic control systems by manufacturing electronic devices and temperature sensors since 2004. ORDEL has become a leading and reputable company in the sectors which it operates by producing process control devices, indicators, signal converters, scanner and alarm devices, relative humidity and temperature transmitters, pressure difference transmitters, paperless record and control devices (touch screen), data loggers. On production, it becomes well known company by manufacturing thermocouple which has operating temperature range from -200°C to 1800°C and resistance thermometer which has operating temperature range from -200°C to +850 °C. Besides, it has various product variety of manufacturing thermowells. Additionally, it recently comes into prominence about level sensors.

## Quality Certificates

ISO9001 Quality Management System - CE Certificate – GOST-R Quality Certificate

## Export Markets

Chile, Egypt, Germany, Italy, Saudi Arabia, Nigeria, Azerbaijan, Uzbekistan, Tunisia, Iraq

## Products

Process Control Devices, Electronic Devices, Signal Converters, Filter Timer, Relative Humidity And Temperature Transmitters, Weight Control Devices, Auxiliary Softwares, vibration type level sensors, motorized type level sensors, fork type level sensors, capacitive level sensors, proportional magnetic level converter, pressure transmitters, radar sensors, thermocouple, resistance thermometer, thermocouple, terminal moccouple and resistance thermometer cables

## Related Sectors

Wood Industry , Packaging and Plastics Industry , Glass Industry, Cement and Soil Industry, Iron and Steel Industry, Power Plants, Bakery Machinery Production Industry, Food Industry, Fertilizer Industry, Ship Industry, Medicine Industry, Construction and Contracting Industry, Chemical Industry, Boiler Manufacturers, Paper Industry, Tire and Rubber Industry ,Metal and Metallurgy Industry, Machinery Industry, Mining Industry, Automotive Industry , Petrochemical Industry, Refinery Industry, Health Industry , Ceramic and Porcelain Industry, Textile Industry.

## "New Generation Technology"



PROCESS CONTROLLERS / R&D



SENSORS / LASER WELDING / CNC



ÖNDER MÜHENDİSLİK SAN. TİC. A.Ş.

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Web [www.onder.com](http://www.onder.com)

Address Sanayi Mah. Kuzey Sok. No: 16, 41040 İzmit/KOCAELI

Since 1974, Önder Mühendislik has been proudly presenting industrial gas/oil combustion

systems solutions both locally and internationally.

We offer gas utilization and safety devices of the brands Kromschroder, Eclipse, Hauck and

LBE as authorized distributor of Honeywell in Turkey directly from our stocks in İzmit.

We increase your competitiveness by efficient and modern combustion systems as turn-key

projects including automatisisation systems. Our service and training programs will ensure the

readiness and safety of your systems.

We offer suitable burners and systems for sustainable, energy-efficient process firing.

All of our gas control, regulation, and combustion systems are suitable for hydrogen firing.

Our certified MIG/TIG welders, can realize nearly any technical drawing of metal parts and

metal construction projects of yours.

You are always more than welcome to visit our facilities in İzmit, where we would be glad to

introduce our abilities and products.

We provide periodic hands-on training related to process combustion systems.

#### Products

Gas burners, oil burners, combustion control and safety systems. Honeywell Kromschroder, Eclipse, LBE, Hauck authorized channel partner in Turkey. Projecting, manufacturing, installation, commissioning, start-up and maintenance services, as well as training and seminars for turn key combustion control and safety system.

#### Related Sectors

- Steel • Aluminium • Hot Deep Galvanizing • Ceramic • Glass
- Porcelain • Cement • Gypsum • Asphalt • Food • Textile • Drying
- Hot Air Generators etc.

#### Quality Certificates

- CE (European Conformity) • EAC (Eurasian Conformity)
- ISO (International Organization For Standardization)
- SIL (Safety Integrity Level) • PL (Performance Level)
- FM (Frequency Modulation) • CSA (Canadian Standards Association)
- UL (Underwriters Laboratories) • AGA (American Gas Association)
- UKCA (United Kingdom Conformity Assessment)

#### Export Markets

Germany, EMEA



up to **30%**  
Energy saving with  
Kromschroder  
burners

**Product:** All parts for gas combustion and safety systems.

**Project:** Project development for turn key combustion systems.

**Production:** Commissioning and start up of combustion systems.

**Maintenance:** Maintenance of combustion systems on site.

**Service:** Training and seminars for combustion systems.

**Training:** Syngas and biogas flares.

Support: 24/7 technical support line +90 542 663 37 41



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Phone +90 232 376 84 45 (pbx)

Fax +90 (232) 376 79 42

Web [www.petrofer.com.tr](http://www.petrofer.com.tr)

Address İzmir Atatürk Organize Sanayi Bölgesi, 10008 Sokak No.1 Çiğli AOSB 35620 İzmir – TÜRKİYE

PETROFER CHEMIE is a German company produces industrial oils and chemicals with the latest technology and experience more than 75 years. Headquartered in Hildesheim – GERMANY, PETROFER is a truly global company with a worldwide distributor network and joint ventures across the world.

With the rapid development of Turkish Industry in the last 75 years and in parallel to the increase of demand in industrial chemicals and oils, the company superseded in the Turkish Market with its top-quality products. In order to supply this continual increasing demand, PETROFER Endüstriyel Yağlar Sanayi ve Ticaret A.Ş. which was first established as a distributor in 1983 became a Turkish – German joint venture on the June of 1995.

PETROFER is well equipped to provide top-quality products which reflect the latest technology and developments and has a range of more than 600 products in industrial oils, grease and chemicals. Petrofer's proven know-how, top-quality products, services and process for problem solving sustain the company image to the 21st century. Through its R&D studies, corporate strategy, expertise of its chemists, engineers and business people the company stands in a powerful position in the global markets. PETROFER's Quality Performance is achieved by teamwork, digitalization and continuous improvement activities. PETROFER is committed to operating in a way that protects the environment as well as keeping top-quality on the forefront through its Total Quality Management Approach.

#### Export Markets

PETROFER Turkey, has been exporting to 40 countries including:  
• CIS Countries • Middle East • North African Countries.

#### Products

- Heat Treatment Products for Steel and Aluminium Industries
- Metal Treating and Forming Oils • Industrial Oils
- Cleaning Chemicals • Rust and Corrosion Preventives
- Fire Resistant Hydraulic Fluids • Chemicals for Tissue Productions
- Greases • Specialized Products and etc...

#### Quality Certificates

ISO 9001 Quality Management,  
ISO 14001 Environmental Management,  
ISO 27001 Information Security Management Systems,  
TS ISO 17025 Laboratory Management System Certification  
PETROFER has product approvals, such as:

- FM APPROVAL - ENVOLUBRIC HE 46 & 68
- SIEMENS FLENDER APPROVAL – GEARLUBRIC HC SERIES
- BOSCH REXROTH APPROVAL – ENVOLUBRIC HE 46 & 68, ISOLUBRIC VG 22, 32, 46, 68, 100
- FM APPROVALS – ENVOLUBRIC HE 46 & 68
- DANIELI APPROVALS – ULTRA SAFE 620, ENVOLUBRIC HE 46 & 68
- ENGEL APPROVALS – ISOLUBRIC VG 46, ISOLUBRIC VG D SERIES
- MANNESMANN DEMAG – ULTRA SAFE 620
- BUHLER DRUCKGUSS AG – ISOLUBRIC VG 46 + VG 68, GEARLUBRIC VG 150, VG 220, WAYLUBRIC VG 150, VG 220, PISTON LUBRICANT AP, PISTON LUBRICANT GF 7, PISTON POWDER
- OSKAR FRECH – WAYLUBRIC VG 220, ULTRA SAFE 620





PRESTİJ YAYINCILIK BASIM HİZMETLERİ SAN. TİC. LTD. ŞTİ.

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Address KAYABAŞI MAH. KAYAŞEHİR BLV. AKZAMBAK SOK.NO:36/B-2 BLOK 34494 BAŞAKŞEHİR-İSTANBUL

Prestij Publishing, has started publication life 32 years ago with "Metal Dünyası" for metalurgy and materials industry. Later, "Kalıp Dünyası" for mould die and machining industry and CAD/CAM/CAE for design sector has joined. Recently, PrestijWeb.Tv has started its broodcasting on digital platform.  
Publishing: Metal. Dünyası, Kalıp Dünyası, CAD/CAM/CAE Dünyası, PrestijWebTv

#### Kalıp Dünyası Magazine

has been publishing since 2000, bimonthly. You can follow mold-die industry, tool steels, heat treatment, cutting and holding tools, CAD-CAM-CAE softwares, quality control.

#### PrestijWebTv

has started its broodcasting at 11th September 2012. With specialist staff and professional equipments, we are ready to promote your companies, products and events in HD quality. If you have videos or if you need new, please contact us. [prestijwebtv@prestijyayincilik.com.tr](mailto:prestijwebtv@prestijyayincilik.com.tr)

#### Metal Dünyası Magazine

has been publishing since 1993 every month. You can follow, metallurgy, materials, iron-steel, non ferrous metals, heat treatment, casting, welding, production process, sheet metal, tube, profile, surface treatment, quality control and raw materials market.

#### CAD/CAM/CAE Dünyası

is a quarterly magazine which is being published since 2005. Major topics of the magazine, CAD/CAM/CAE, PLM, PDM, prototyping, modelling, simulation, reverse engineering, quality control.

**METAL**<sup>®</sup>  
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## RBS RAVAGO İNŞAAT YALITIM ÜRÜNLERİ A.Ş.

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Web [www.ravagobuildingsolutions.com](http://www.ravagobuildingsolutions.com)

Address Tatlısu Mahallesi Arif Ay Sokak No:6 34774 Şerifali - ÜMRANIYE / İSTANBUL

Mineral Wool Factory has been established in 2007 on the 80.000m<sup>2</sup> area and now able to produce stone wool, ceramic ber and glass wool .It's the world's third biggest and Turkey's the biggest production facility with it's 110.000 ton annual stone wool production capacity. First and only ceramic ber producer in Turkey with it's 3500 ton annual production capacity.

Ravago Building Solution is the one and only factory in the world that produce stone wool, glass wool and ceramic ber in one facility.

Ravago Building Solution has already started the stone wool production investments in Hungary and Greece.

### Products

- Stone Wool
- Ceramic Fiber
- Agro
- Glass Wool

### Related Sectors

- Iron-Steel Sector
- Boiler Sector
- Fire Insulation
- Castign Sector
- Thermal Power Plant
- Industrial Insulation and Bakery Sector

### Quality Certificates

CE 13162, CE 14303, ISO 9001, ISO 14001, TS 10002, TS 18001, TS 50001, TS EN ISOTEC 17025, IKOS, IZODER, RoHS

### Export Markets

All European Countries, Israel, Africa

# RAVAGO BUILDING SOLUTIONS



- The first company in the world that produces stone wool, ceramic fiber and glass wool all in one.
- Leader producer in the region with an annual production capacity of over 120,000 tons.
- Using own raw material that forms its quality, using self-generated electricity, oxygen and resin for production.
- First ceramic fiber producer in Turkey.
- With its investments in abroad, it transfers its quality and technology to the world.

**Protecting the future by preventing energy waste.**



"milestone of insulation"

[www.ravagobuildingsolutions.com/tr/](http://www.ravagobuildingsolutions.com/tr/)





# WE PLAY WITH FIRE

WE PROVIDE FIRE AND HEAT INSULATION UP TO 1430 °C

Ravatherm quality in ceramic wool obtained by melting and combining alumina, silica and zirconium raw materials at high temperatures...

Ravatherm Ceramic Wool blanket is used in industrial furnace insulation, insulation of boiler pipes and chimneys and all kinds of technical insulation that requires high temperatures.

Ravatherm ceramic wool can be produced without chemicals that dissolve in the human body and are harmful to health.



**RAVATHERM™**

[www.ravagobuildingsolutions.com/tr/](http://www.ravagobuildingsolutions.com/tr/)



REFSAN İZOLASYON SAN. VE TİC. LTD. ŞTİ.

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Web [www.refsan.com.tr](http://www.refsan.com.tr)

Address OSB. 1. CADDE NO:2 MERKEZ - KÜTAHYA / TÜRKİYE

Refsan has been Founded in 1992 in Kutahya province, started its activities, thanks to emerging technologies and its progressive vision, it has been managed to become a world-class brand in Turkey.

Refsan has been producing furnaces between 30°C – 1300°C temperatures for Tile, Ceramic, Glass, Dross, Annealing, Thermal processing, Gilding, Decor, and Dental Prosthesis Industries.

REFSAN is the leader in its sector with its after-sales services as well as its consultancy and support team that respond to customer demands instantly.

Our company, as well as the activities in Turkey, with its dealers abroad "Made in Turkey" continues to provide transportation their products and services globally. As REFSAN family, As REFSAN family, we realize that the main strength behind our success is experience and teamwork.

That's why we know that success is never a coincidence.

Refsan production facilities are established in 10.000 m2 closed area and with 100+ employees.

Refsan established Turkey's first and still the only ceramic material and machinery market in 2006 and continues its leadership in this field. Our know-how and expert team combines the highest quality materials with existing production and human resources.

Our company has established ceramic, tile, glass fusion and illumination workshops in almost all universities, municipalities, public education centres, rehabilitation centres and private schools. We continue these works with the power we receive from our customers. We use special software for these design works and we realise the interior designs of the workshops with the help of these software.

This makes us unique in the world.

#### Products

- Heat treatment furnaces • Ceramic kilns • Annealing furnaces
- Tunnel furnaces • Trolley furnaces • Drying furnaces • Glass furnaces
- Ceramic machinery and equipment

#### Related Sectors

- Ceramic • Glass
- Tile • Iron and Steel Sector

#### Quality Certificates

ISO 9001:2015, CE Certificate

#### Export Markets

Europe, Asia, America, Australia, Africa



## INDUSTRIAL KILNS & FURNACES



Thermal processing kilns are used in the automotive, aerospace and metal industries that have been produced by Refsan.

30-1320°C

Heat

**THERMAL PROCESSING  
KILNS AND FURNACES**

(High capacity furnaces suitable for the sector)

[www.refsan.com.tr](http://www.refsan.com.tr)



# R.T.I ENGINEERING

## R.T.I. ENGINEERING INDUSTRIAL FURNACES & COMBUSTION SYSTEMS

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Web [www.rtimuhendislik.com](http://www.rtimuhendislik.com)

Address **Hacıyüplü Mh.3075 Sk. No:20/8 Merkezefendi / DENİZLİ / TÜRKİYE**

Our company was established in 2007 and provides services to all industry sectors having combustion system, automation and heating systems, particularly to Iron & Steel Sector, Wire Sector and Glass industry.

Our company, managers and employees in the construction of the furnace, combustion systems and automation issues using 30 years of experience in sectors that it serves.

Industrial Furnaces and Combustion System with the capacities between 10 T/H – 200 T/H our company implements the projects developed by it and prefers the materials of the leading firms of Turkey and world in its projects.

Our company aims to provide best service according to the demands and needs of the customer. Turkey and the world's leading firms of all materials used in furnaces.

Furnace automation is chosen by taking into account the criteria of customers' usage; products with the brands such as Honeywell and Siemens are preferred. The projects are undertaken as turn-key and handed over to the user by being tested in the conditions of system operation. The projects we undertake in this way are under guarantee for 1 year.

### Implement results

- Increase in production capacity
- Increase in using capacity
- Fuel saving
- Long furnace life
- User friendly
- Burning system based product lost decreasing

### RTI Engineering

Exclusive and leading company in its field...

### Sector

#### Iron And Steel Sector

- 1- Hot rolling mill furnaces
  - A- Walking Hearth B- Pusher C- Walking Beam
- 2- Heat treatment furnaces

#### Glass, ceramic and refractor sector

- 1- Glass melting furnaces
- 2- Ceramic and refractor annealing furnaces

#### Wire and galvanizing sector

- 1- Wire annealing furnaces
- 2- Wire annealing, galvanizing pool and line

35 Years experience

Special project in different solutions

Turn-key applications

Project application and system guarantee

#### Rolling mill billet reheating furnaces applications

Capacity and usage criteria;

- 1- Determination of furnace dimensions
- 2- Design and production of steel construction
- 3- Design and production of refractory structure
- 4- Selection, project and production of combustion system
- 5- Selection, project designing and production of combustion system automation



## R.T.I. ENGINEERING

INDUSTRIAL FURNACES AND COMBUSTION SYSTEMS



### SECTORS

#### IRON AND STEEL SECTOR

- 1- Hot Rolling Mill Furnaces
  - A- Walking Hearth B- Pusher C- Walking Beam
- 2- Heat Treatment Furnaces

#### GLASS, CERAMIC AND REFRACTOR SECTOR

- 1- Glass Melting Furnaces
- 2- Ceramic And Refractor Annealing Furnaces

#### WIRE AND GALVANIZING LINE SECTOR

- 1- Wire Annealing Furnaces
- 2- Wire Annealing, Galvanizing Pool And Line



- 35 YEARS EXPERIENCE
- SPECIAL PROJECT IN DIFFERENT SOLUTIONS
- TURN-KEY APPLICATIONS
- PROJECT APPLICATION AND SYSTEM GUARANTEE



### ROLLING MILL BILLET REHEATING FURNACES APPLICATIONS

#### TAKING INTO CAPACITY AND USAGE CRITERIA;

- 1- DETERMINATION OF FURNACE DIMENSIONS
- 2- DESIGN AND PRODUCTION OF STEEL CONSTRUCTION
- 3- DESIGN AND PRODUCTION OF REFRACTOR STRUCTURE
- 4- SELECTION, PROJECT AND PRODUCTION OF COMBUSTION SYSTEM
- 5- SELECTION, PROJECT DESIGNING AND PRODUCTION OF COMBUSTION SYSTEM AUTOMATION

#### IMPLEMENTATION RESULTS

- INCREASE IN PRODUCTION CAPACITY
- INCREASE IN USING CAPACITY
- FUEL SAVING
- LONG FURNACE LIFE
- USER FRIENDLY
- BURNING SYSTEM BASED PRODUCT LOST DECREASING



INDUSTRIAL FURNACES AND COMBUSTION SYSTEMS

*Exclusive and leading company in its field...*

Phone: +90 258 263 73 22 Fax: +90 258 263 56 22 @rtifurnaces Hacıyüplü Mh. 3075 Sk. No:20/8 Merkezefendi / Denizli / Türkiye

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# SAN

## MALZEME TEKNOLOJİLERİ

SAN MALZEME TEKNOLOJİLERİ SAN. VE TİC. LTD. ŞTİ.

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E-mail [info@san-mt.com.tr](mailto:info@san-mt.com.tr)

Phone +90 216 452 96 80

Web [www.san-mt.com.tr](http://www.san-mt.com.tr)

Address **Cevizli Mah.Hızır Reis sok.Dragos Park Plaza No 10 D 22 Maltepe / İSTANBUL**

San Malzeme Teknolojileri has been established in 2012 with broad experience in sales of products for high temperature heating applications in different industries.

Company is the Sales agent of following European producers ;

- Sandvik Materials Technology, Kanthal branded product portfolio for the territory of Turkey and MENA
- IMP Intermetall AG for territory Egypt, Turkey, Saudi Arabia and UAE
- Ovako AB for territory Turkey
- Nippon Kormmeyer Carbon Group GmbH for territory Turkey
- Industrias Metalurgicas JEM, S.A. for territory Turkey

Kanthal is a world-leading brand for products and services in the area of industrial heating technology and resistance materials.

IMP supplies castings and components for high temperature services. Castings are delivered in a wide range of Iron-Nickel and Cobalt base alloys, fully machined, assembled, tested and ready for installation.

Ovako AB is a leading European producer of engineering steel for customers in the bearing, transport and manufacturing industries .

Nippon Kormmeyer Carbon Group produces components made of graphite, CFC and carbon-based insulating materials in any shape, size and complexity. He manufactures single-parts, assemblies, large projects or serial production. In addition to the machining, all components can be purified and coated (e.g. SiC and PyC).

Industrias Metalurgicas Jem, S.A., is specialized in production and distribution of cutting and cold forming tools and machinery for different sectors; Automotive, Metalurgical, Food, Plastic and Oil Industry

### Products

Heating wire, metallic electrical heating elements, SiC and MoSi2 based heating elements up to 1900 C, Modular heating systems, Radiant tubes, furnace rollers, cast conveyor belts, fans, furnace rider systems, engineering steel in form of bar, profile, tube and ring, Carbon and graphite parts, CFC plates, Spline rolls and racks for cold forming, Fin machines and tooling, saw blades and knives.

### Related Sectors

- Iron Steel
- Aluminium
- Heat Treatment
- Automotive and home appliances
- Glass
- Casting
- Furnace Building
- Ceramic
- Forging

### Export Markets

Middle East

## SAN

### MALZEME TEKNOLOJİLERİ

İş Ortaklarımız ile  
Birlikte Sürdürülebilir  
Bir Gelecek için  
Çalışıyoruz

[www.san-mt.com.tr](http://www.san-mt.com.tr)

### SANDVIK KANTHAL



- Rezistans Tel ve Şeritleri
- Elektrikli Metalik Isıtıcılar
- MoSi<sub>2</sub> Isıtıcılar
- Silisyum Karbür Isıtıcılar
- Kanthal APM Radyant Borular
- Flow Heater
- Fibrothal / Moduthal Modüler Isıtma Sistemleri
- APMT Konstrüksiyon Malzemeleri

### IMP Intermetall Produkte AG



- Savurma Döküm U ve W NiCr Radyant Borular
- Savurma Döküm NiCr Fırın Röleleri
- Döküm Konveyör Bantlar ve Taşıma Sistemleri
- Döküm Fırın Retortları
- Reküperatörler
- Fan Tekerleri

### OVAKO



- Mühendislik Çelikleri
- Yuvarlak Barlar
- Kare Barlar
- Lama Barlar
- Parlak Barlar
- Krom Kaplı Mil
- Ring
- Dikşiz Boru
- Uygulama Bazlı Özel Çelik Grupları



NIPPON KORMMEYER  
CARBON GROUP



- Karbon Bazlı İzolasyon Malzemeleri ve Komponentler
- Grafit Komponentler
- CFC Komponentler
- CFC Sepet
- Grafit Rezistans
- Grafit Rotor Şaft

### JEM reliable performance



- Ovalama Topları
- Ovalama Taraıkları
- Fin Makinesi
- Fin Makinesi Röleleri
- Fin Makinesi Revizyonları
- Testere Bıçakları



+90 216 452 96 80 pbx



[info@san-mt.com.tr](mailto:info@san-mt.com.tr)



[www.san-mt.com.tr](http://www.san-mt.com.tr)

Cevizli Mah. Hızır Reis Sok. Dragos Park Plaza No:10 Kat:10 D:22 Maltepe, İstanbul



# SARVION

SARVION ENDÜSTRİYEL MALZEME VE MÜH. TİC. A.Ş.

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Address TOSB TAYSAD Organize San. Böl. 1.Cd. 15 Yol No. 1, 41480 - Çayırova – KOCAELİ

Sarvion has been established in 2010 in regard of a requirement in the Heat Treatment industry to provide service and spare parts, do turn-key upgrading projects on industrial furnaces. With its slogan "Furnace UP" Sarvion is an expert company providing Upgrading Projects especially for Energy Efficiency and Carbon Footprint.

#### SERVICE SUPPORT

- 7/24 Technical Support
- Annual Maintenance
- Spare Parts

#### FURNACE INSPECTION

- Burner Gas/Air Adjustment
- Temperature Uniformity Test
- System Accuracy Test
- Flue Gas Analysis
- Inspection according to Standards (CQI-9, AMS2750 etc.)

#### PROJECTS

- PLC and SCADA System Revisions
- Combustion System Revisions
- Refractory Revisions
- Furnace Upgrade (Efficiency increase, Electrification, Carbon Emissions Optimization, Capacity Increase etc.)
- Movement of Furnaces

#### Related Sectors

- Industrial Furnace Users
- Steel Industry
- Fastener
- Forging
- Automotive
- Aviation
- Fire Resistance Test Laboratories

#### Quality Certificates

ISO9001-2015, OHSAS 1800

#### Export Markets

Europe, England, North Africa, Russia



Your solution partner for all  
brands and types of industrial furnaces

# SİSTEM MAKİNA

INDUSTRIAL FURNACES

SİSTEM MAKİNA SANAYİ VE TİCARET LTD. STİ.

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Phone +90 262 728 12 04

Web [www.sistemmakina.com](http://www.sistemmakina.com)

Address Kocaeli KOBİ O.S.B. 1. Cad. 26. Sok. No:5, 41455 Köşeler/ Dilovası / Kocaeli / Türkiye

Sistem Makina Industrial Furnaces was established in 1976 and has become a solution partner for the aluminum and iron and steel industry in heat treatment furnaces with its knowledge and experience of nearly 50 years. Sistem Makina produces turnkey solutions for its customers by carrying out all design, engineering, manufacturing, installation, automation and commissioning works with its own professional team. The company, whose main philosophy has been quality, innovation and 24/7 service since the first day it was founded, uses equipment of internationally famous brands in its ovens and exports its ovens to all over the world. In two different production areas in Turkey, with more than 150 employees, it creates special designs for its customers and establishes facilities that provide the desired features.

## Products

### Iron&Steel Industry;

- Mesh Belt Type Furnaces
- Continuous Heat Treatment Lines
- Bogie or Fixed Bottom type Furnaces
- Endogas Generators

### Aluminum Industry:

- Aluminum Melting Furnaces
- Aluminum Billet Homogenizing Furnaces and Cooling Cabins
- Aluminum Billet Pre-Heating Furnaces
- Aluminum Profile Aging Ovens
- Die Heating Furnaces
- Drop Bottom Type Solution Furnaces

## IRON & STEEL INDUSTRY

- Continuous Heat Treatment Lines
- Bogie or Fixed Type Furnaces
- Tempering Furnaces
- Endothermic Gas Generators
- LPG Cylinder Heating Furnaces
- Walking Hearth and Beam Furnaces

# SİSTEM MAKİNA

INDUSTRIAL FURNACES

## ALUMINIUM INDUSTRY

- Casthouse Furnaces
- Billet Heating Furnaces
- Profile Aging Ovens
- Die Heating Furnaces
- Drop Bottom Furnaces
- Handling Systems



QUALITY IS ALWAYS CLEAR!

Contacts **Beste ÖZDEŞLİK**

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Phone +90 262 658 29 14

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Web [www.sistemteknik.com](http://www.sistemteknik.com)

Address TOSB – Taysad Otomotiv Yan Sanayi İhtisas OSB 1. Cadde 15. Yol No: 1, 41420 Çayırova/Kocaeli/Türkiye

Sistem Teknik is a company that has over 45 years of experience in heat treatment furnace production sector, and today, became one of the leaders and pioneers in the world in this area. From Istanbul, Turkey, Sistem Teknik reaches the world with over 700 facilities in 6 continents and 35 countries. With wide product range, large production capacity, R&D Centre and 120 qualified employees, Sistem Teknik offers effective and innovative solutions to the customers, while continuing to support with spare part recruitment and technical support services after sales.

#### Products

- Wide Range of Vacuum Furnaces for LPC, Gas Quench, Tempering, Gas Nitriding, Brazing Applications
- Atmosphere Controlled Furnaces (Batch, Pit, Mesh Belt) for Carburizing, Bright Annealing, Brazing, Nitriding etc.
- Roller Hearth Furnaces & Heat Treatment lines for annealing, normalizing, isothermal annealing, hardening & tempering, LPG cylinder annealing and tube (pipe) heat treatment
- Fire Resistance Test Furnaces
- Composite Curing and Process Furnaces and Prepreg Production Lines
- Bogie and Batch Heart Type Furnaces for Pre-Heating for Forging, PWHT, Annealing, Stress Relieving, Tempering and Hardening Applications
- Microwave Furnaces
- Vacuum Drying Furnaces
- Custom Designed Furnaces and Heat Treatment Lines

#### Related Sectors

- Iron & Steel
- Automotive
- Fire Testing Industry
- Forging Industry
- Copper Industry
- Composite Industry
- Aviation and Defense Industry
- Commercial Heat Treatment
- Tube Industry

#### Export Markets

- Europe
- North Africa
- USA
- Brazil
- China
- India
- Russia



Turnkey solutions for  
your heat treatment requirements



Contacts **Lokman GÜR**

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Phone +90 212 423 29 28 | +90 212 423 46 45

Web [www.teknovak.com](http://www.teknovak.com)

Address Cihangir Mah. Sarı Zeybek Cad. Kale Kalıp Apt. No:4, 34310, Avclar/İSTANBUL

Teknovak Industrial Furnace Systems A.Ş. with its history based on material science Research&Development, is a company that develops and produces furnaces for the heat treatment applications demanded by the industry. We produce furnaces which are developed with a unique design concept have been serving the industry for 30 years; KN controlled gas nitriding&nitrocarburising furnaces with pre/post-oxidation, Bell type hardening furnaces for carburizing, austempering, Solute solution treatment furnaces for aluminium industry, vacuum sealed cryogenic furnaces for defense and die industry, special process furnaces, Ammonia cleaning, filtering and crackers. The company manages the project management processes including planning, production, service and Research&Development with an ERP (Enterprise Resource Planning) system specially developed for the company with a total staff of 25 people with 5 engineers and 15 technical staffs, including 1800 m<sup>2</sup> indoor area in Avclar/Istanbul. Furnaces systems that are designed by using the current software on demand basis are added to the product range by getting analyzed in the virtual environment (static, dynamic, flow, material selection, etc.) and post-production feedback analysis is performed to ensure the continuity of improvement. The company's vision is to be a global company with innovative furnace technologies and heat treatment solutions that always produces turnkey systems ahead of customer expectations.

The company continues to be determined about preserving its essential values; to continue to provide quality and solution-oriented service, to use all resources effectively and efficiently, to support professional and social development of team members, to preserve cultural history, values in all relations and to transfer these to the shareholders.

### Products

KN controlled gas nitriding&nitrocarburising furnaces with pre/post-oxidation,  
Bell type hardening furnaces for carburizing, austempering.  
Solute solution treatment furnaces for aluminium industry.  
Vacuum sealed cryogenic furnaces for defense and die industry.  
Special process furnaces  
Ammonia cleaning, filtering and crackers.

### Related Sectors

Automotive, Aviation, Defense, Machine

### Quality Certificates

DIN EN ISO 9001-2015

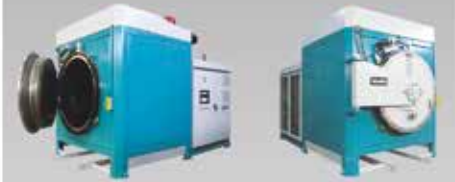
### Export Markets

Russia, Saudi Arabia, Ukraine

**BELL TYPE..** Hardening, carburizing, carbonitriding, austempering furnace systems



**NEW GENERATION..**  
Horizontal (Fast Cooling) Gas Nitriding Furnaces



**Vertical Gas Nitriding Furnaces**





TURHAN ISIL İŞLEM MAKİNALARI SAN. TİC. LTD. ŞTİ.

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Web [www.turhanisilislem.com](http://www.turhanisilislem.com)

Address 7407/3 st. No:1 PINARBASI / IZMIR – TURKEY

Turhan Makina, established by Turhan Cezayir in 1988, İzmir, maintains its leading position in the field of industrial furnaces by following the latest technologies with its 36 years of experience and expert staff in the sector. It manufactures high quality industrial furnaces and supports both local and international customers with after-sales services. It is engaged in energy efficiency and saving orientated production concerning industrial furnaces and plants. We offer market-oriented solutions in our unique facility for design, analysis and production operations for the needs of sectors such as aerospace, defence, energy, industrial and public services with our technical teams. Furnace systems designed using current software as a result of material analyses performed on virtual platforms will continue to be with you with spare parts supply, maintenance and training services after the project management is completed.

#### Export Markets

Russia, Africa, Europe, Ukraine, Middle East, Bangladesh

#### Our Products / Services

- Gas heating furnace
- Electric furnace
- Industrial Furnace
- Heat Treatment Furnace (Normalizing, Annealing, Hardening, Tempering and Carburizing)
- Transformer Drying and Oiling Furnace

#### Quality Certificates

- ISO 9001:2015
- GOST-R
- CE

"Tailored Projects for Every Client,  
High-Tech Solutions for Every Venture!"



YALMAN ENDÜSTRİYEL MAKİNA İMALAT VE DİŐ TİC. A.Ő.

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Address HQ Cami Mah. Gungor Sok. No:8/1 Tuzla - Istanbul / TURKEY



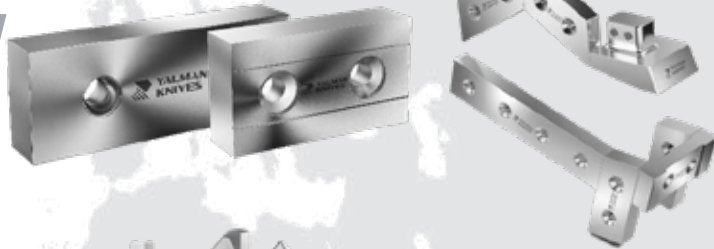
*As Yalman Knives, we have the capacity to realize the entire production process in a 3500 m2 production area in Gümüşova Industrial Zone. We stand out as a strong and reliable world brand in industrial knives and we are moving towards becoming the leader in the sector with our experience and expertise.*

+90 216 493 29 61

*With customized solutions to meet industrial needs, we aim to exceed our customers' expectations with every blade. By maintaining high standards of quality and durability, we offer excellent solutions to our customers. In addition to offering economical solutions at competitive prices, we continuously support our customers with fast delivery anywhere in the world and flexible stock management capabilities.*

## Metal Scrap Recycling Knives

- a. Stationary Shear Knives
- b. Mobile (Demolition) Shear Knives
- c. Baler Knives
- d. Alligator Shear Knives



## Steel Mill

- a. Crop Shear Knives
- b. Flying Shear Knives
- c. Cold Shear Knives



## Steel Mill Rolls

- a. Rolling Mill Cassette Rolls
- b. Guiding Rolls
- c. Forming Rolls



# The Turkish economy is expected to grow in 2024

**Demet Erten** is Vice Chairman of the Board of the Industrial Oven Industrialists and Businessmen Association (Efsiad) in Turkey. In heat processing she talks about the main challenges and markets of the Turkish heat treatment and industrial furnace industry.

**Mrs. Erten, what are the main topics on the agenda of Efsiad next year?**

**Demet Erten:** In line with the objectives of our association, we provide guidance and organize technical visits for our members to enhance awareness. Specifically, we aim to create mutual awareness and increase market share through technical visits for sectors heavily reliant on imports. Additionally, we aim to make the voice of Turkish Industries heard in global markets and to increase our export share. We will foster a culture of collaboration, organize international events such as exhibitions and conferences to boost our export share and enhance the quality of services and facilities through technical seminars as integral parts of our plan.

In January 2024, we will organize a seminar titled "The Development of the Hydrogen Sector and the Role of Industrial Stakeholders," for our EFSIAD members with the participation of academics. This seminar will investigate the dimensions of the transition from the carbon era to the hydrogen era, the challenges faced by various industries, and the opportunities it brings.

In 2025, we plan to organize the "Energy Congress" in Turkey, with infrastructure work beginning in 2024. Finally, we plan to optimize the EFSIAD website to support global marketing initiatives more effectively.



*"We aim to make the voice of Turkish industry heard in global markets"*

**Can you give a short overview of the Turkish heat treatment and industrial furnace industry?**

The Turkish heat treatment and industrial furnace industry serves as a significant contributor to the country's manufacturing landscape. It plays a crucial role in enhancing the quality and durability of metal and alloy products. This industry encompasses a wide range of applications, from automotive to aerospace, and continues to grow and adapt to meet evolving industrial demands.

**The decarbonization is a main topic for the whole industry in the world. How does your industry faces this transformation?**

The heat treatment and industrial furnace industry in Türkiye acknowledges the necessity of decarbonization and is actively addressing this transformation through a versatile approach. This includes optimizing energy efficiency in heat treatment processes, adopting greener technologies and materials, and exploring carbon-neutral practices. Collaboration with stakeholders and investment in sustainable innovations are key strategies to align with global decarbonization goals.

**How can we combine competitive leadership with decarbonization in Europe - facing the subsidy competition between the large economic areas?**

Europe needs a comprehensive strategy that combines government actions, innovation, and sustainable technology investment to lead competitively while decarbonizing. European countries must work together to establish clear regulations and incentives for carbon reduction while simultaneously promoting economic growth.

**Demet Erten**

Vice Chairman of the Board of the Industrial Oven Industrialists and Businessmen Association (Efsiad)

# EVENTS



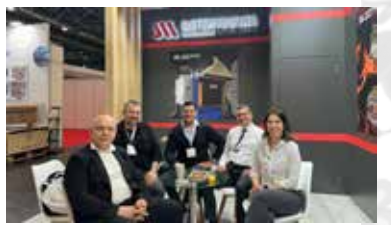
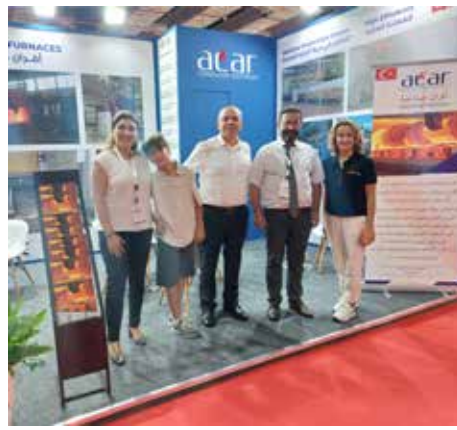
# EVENTS



# EVENTS



# EVENTS





# TURKEY COUNTRY PROFILE



Although Turkey now has an excellent tourism infrastructure, the motivation of most Turks remains one of sincerity and courtesy. The desire of Turks to feel understood and valued, to communicate and learn about people from other lands is a much more important motivation. Interpret their enthusiasm to interact with you from this perspective. They prefer to make long-term acquaintances by spending time together, exchanging cards, letters and gifts rather than receive payment or large tips for any help granted. This attitude may change as the tourism industry develops further in the coming decades, and much still depends on the visitors, but for now the sweetness of the Turkish people is unspoiled.

Here are some tips about social graces and conduct which may be useful in interpreting the goings-on around you, helping you to enjoy your participation in this social landscape even more. Greetings involving welcomes, handshakes, hugging and kissing on both cheeks, followed by a "How are you? How is the family? How is your health? How is business?" are important rituals. It is expected that everyone will inquire after the health and well-being of everyone else at first. During religious holidays, greetings are even more important. Young people visit and kiss the hands of elderly family members. Every friend and family is visited in order to renew bonds and kinship. Children receive pocket money and gifts, and responsibilities for social charity are fulfilled. Like elsewhere, these are joyous occasions. However, celebrations emphasize traditional, social and spiritual aspects, and a certain amount of decorum in action and appearance is expected from everyone.

A dinner invitation to someone's home is a special honour. At the dinner table it is customary for the hostess to offer additional servings many times and with great insistence. The guest is expected to accept the offer after several such offers. Dinners are leisurely affairs, to be savoured slowly along with the delicious home-cooked food. Sometimes, guests bring flowers or sweets to such occasions. During a typical after-dinner coffee, tea, candy, cookies, pastries and fruit are served.

In business relationships the whole affair is conducted as a social occasion, and completed with greetings and sharing coffee, tea or food and drinks, depending on the extent of the business. Even in ordinary shopping a lot of personal information is exchanged between the vendor and the customer, setting the stage for everyone to fulfil their various responsibilities. Bargaining is not a simple game of negotiation between adversarial parties but part of socialization and friendly chitchat to confirm the non-adversarial nature of the activity.

As a bridge between Europe and Asia, Turkey has so much to offer visitors: breathtaking natural beauty, unique historical and archaeological sites, steadily improving hotel and touristic infrastructure and a tradition of hospitality and competitive prices. Therefore, it is not surprising that Turkey has become one of the world's most popular tourism destinations.

In Turkey you will experience an incredible diversity in nature, culture, history, beliefs and ideas. This in itself may not be a challenge for the seasoned traveller. After all, diversity is the most prized feature of favourite destinations. In Turkey this diversity

is rich enough to challenge even the most experienced eye because it is packed into tight spaces with abrupt changes of scenery. This is why people sometimes describe the Turkish landscape as a "symphony of sounds, smells and people in the most unlikely combinations of appearance and action".

Due to Turkey's diverse geography, one can experience four different climates in any one day. This rectangular-shaped country is bordered on three sides by three different seas. Its shores are laced with beaches, bays, coves, ports, islands and peninsulas. Turkey is also blessed with majestic mountains and valleys, lakes, rivers, waterfalls and caves perfect for winter and summer tourism as well as sports of all kinds. Fans of skiing, mountain climbers, trekkers, hikers and hunters can all enjoy new and unforgettable experiences in Turkey. The country is rich in hot springs, healing waters and mud baths, which are highly recommended by the medical authorities as a remedy for many diseases. But Turkey is above all a huge open-air museum, a repository of all the civilisations nurtured by the soils of Anatolia.

## The Big City in Turkey



Following the foundation of the Turkish Republic after World War I, Istanbul, Ankara and Izmir became the focus of social and business life. Industry and business clustered in the established commercial centres of Istanbul and Izmir while the government built itself a new capital inland in Ankara. These cities contain the country's most respected universities, conservatories, theatres and concert halls. Jewish and Christian communities, as well as immigrants from different parts of the old Ottoman Empire, add diversity to these cities, contributing to the human mosaic so characteristic of Anatolia.

For visitors, the big city offers an abundance of museums and famous historical sites, along with nightclubs, taverns and bazaars filled with silver and copper objects, carpets and gold jewellery. Istanbul, of course, is in a category of its own. A separate introduction to its own unique landscape is necessary.

Most visitors want to explore the old part of a Turkish city. According to tradition, each alley or courtyard of a bazaar specialized in a craft or trade corresponding to the old guilds. The cities of the Ottoman Empire were organized into communities formed along religious lines. These were integrated with the rest of the city and larger society via networks of such locally-controlled services as fire protection, security and schools. The old city centre, with its places of worship, government, trade and entertainment, was where the citizens mingled, enjoying the benefits of the security and bounty of the state while maintaining their culture and way of life.

The big cities also allow ample opportunity to sample Turkish cuisine at excellent, well-established restaurants.

## Turkish Coastline; A Paradise for Yachtsmen



Turkey is home to the Blue Voyage, the idyllic cruise which equates with “sailing with the winds, into coves and over the seas, thus becoming one with nature”. For lovers of an active life, sailing in clear waters provides great opportunities for swimming, fishing, water skiing, surfing and diving.

The special design of Turkey’s indigenous sea-going vessel, the gulet, is synonymous with the Blue Voyage with its harmonious combination of practicality and tradition. Constructed mostly in the shipyards of Bodrum, Bozburun, Marmaris and İstanbul, and along the Black Sea coast, these broad-beam and wide-decked boats are equipped with motors as well as fully functional rigging. A good selection of charter gulets, motor yachts and sailboats are available for week tours, while smaller boats can be rented for day trips.

The ancient Romans were the first to discover that Turkey’s many thermal springs offer unique therapeutic powers; they built the ancient city of Hierapolis close to the waters of Pamukkale. The Byzantine Emperor Justinian built baths at the natural hot springs of Çekirge at the foot of Mount Uludağ in Bursa to make best use of the healing properties of these springs. Many thermal baths were also built by the Ottoman sultans across the lands of the empire. Today Turkey is one of the seven countries which enjoys rich geothermal resources and it is one of the leading countries in Europe for geothermal therapy. Western Anatolia in particular abounds in thermal springs, or kaplıcas in Turkish, where people seek remedies for a wide variety of health problems and disorders. Some thermal waters are suitable simply for relaxation, while others are believed to offer specific health benefits. In either case, spas in Turkey are under the supervision of the Ministry of Health for strict compliance with high standards of hygiene. Most of Turkey’s top hotels also have their own spas and health clubs offering the latest in health and beauty treatments.

## » Trekking

Mountains, rising on all four sides, encircle the Anatolian peninsula and form a part of the Alpine-Himalayan Mountain range. Two of Turkey’s most famous peaks are volcanoes, both inactive: Mt Erciyes in Kayseri in Central Anatolia (3.917 m) and Mt Ağrı (Mt Ararat 5.137 m) in the east. Other well-known mountain ranges are the Rize-Kaçkar (3.932 m) in the eastern Black Sea region, Niğde-Aladağ (3.756 m) in the Central Taurus range, and the Cilo and Sat mountains (4.136m) near Hakkari in the eastern Taurus.



For those interested in trekking, Turkey offers many opportunities. The Lycian Way and St Paul Trail are the two official long distance footpaths of Turkey. Both paths are 500km and trekking is possible almost all year round. The Lycian Way stretches along the coast from Fethiye to Antalya, with many ascents and descents. The St Paul Trail is a newer footpath leading from Perge, 10km east of Antalya, to Yalvaç, northeast of Lake Eğirdir. Treks on these paths range from a difficulty level of medium to hard, depending on the section and the season.

## » Food Fit For A Sultan



For those who travel so as to engage in culinary pursuits, Turkish cuisine is definitely worthy of exploration. The variety of dishes that make up the cuisine, the ways they come together in feast-like meals and the evident intricacy of each dish offer enough material for life-long study and enjoyment.

Turkish cuisine originated in Central Asia, the first home of the Turks, and then evolved with the contributions of the inland and Mediterranean cultures with which Turks interacted after their arrival in Anatolia. It was refined and enriched over the centuries in the palace of the Sultan, but its tendency for simplicity and natural tastes was preserved. In line with the palace cuisine, Anatolia’s regions developed their own gastronomic specialties.

Eating is not taken lightly in Turkey and dinner in a good restaurant may take four or five hours in the company of friends and family, sipping drinks and savouring the endless procession of hot and cold dishes while engaging in conversation that begins with light-hearted humour and often turns into poetic reminiscences of the past. Turkish cuisine ranks with French and Chinese in its variety, nutrition and finesse. Like its Chinese and French counterparts, Turkish cuisine developed according to the availability of ingredients. Original Turkish cuisine in Central Asia was composed mainly of meat dishes and such milk products as cheese.

In Anatolia, the cuisine grew with the abundant supply of vegetables and fruits. With its roots in Central Asia, and its later development in Anatolia, Turkish cuisine is in a sense a bridge between Far Eastern and Mediterranean cuisines, with the accent always on enhancing the natural taste and flavour of the ingredients. There is no dominant element in Turkish cuisine, nothing equivalent to the sauces in French and pasta in Italian cuisine.

In Turkish cuisine, meat, fish, vegetables and pastas can be prepared in countless different ways. For instance, eggplant, a vegetable not so commonly consumed in Europe, constitutes a main dish in Turkey and can be cooked in no less than 40 different ways. The sauces and spices used in Turkish cuisine are never allowed to alter the original taste of the main ingredient though. The ingredients are basically cooked in their own juices and the flavour is enhanced with butter, olive oil, salt, onions, garlic, spices and vinegar.

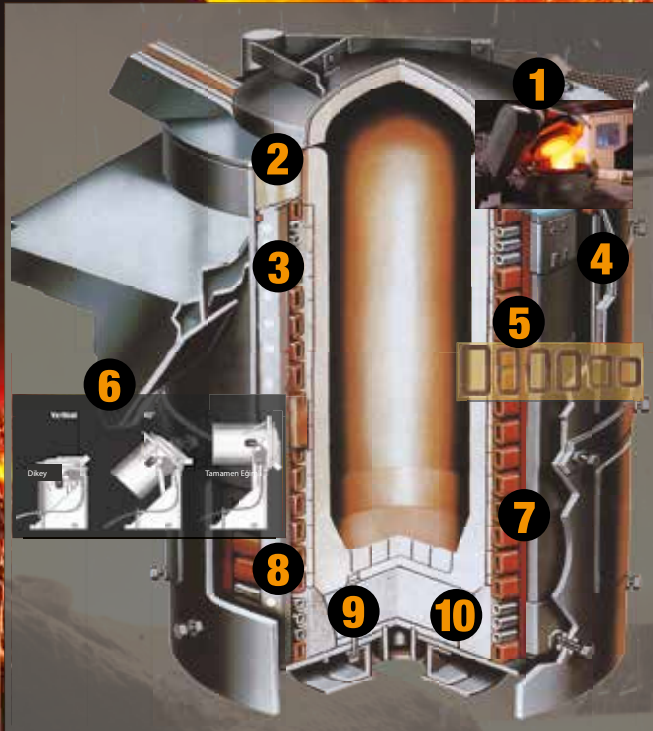
A number of Turkish culinary specialties have a world-wide reputation, one of which of course is lokum, or Turkish delight as it is better known. Made of sugar syrup which is boiled with starch, hazelnuts, pistachios, mint or rose water are added to it. One of the most famous Turkish desserts is undoubtedly baklava (honey and nut pastry). Other sweet specialties include pastes of almonds, pistachios and coconut. The roasted pistachio is a favourite snack and is also used in several dishes and sweets. Turkish coffee is also world-renowned. Its preparation is quite different from other coffees. The coffee grounds are first stirred into cold water in a pot with a handle and then boiled until it foams. The foam is then poured into the cup and the coffee boiled once again. The coffee grounds left in the bottom of the cup are undrinkable and often used for fortune telling by Turkish women who can be very proficient at scrutinizing the pattern left by the coffee grounds for hidden meaning. Another Turkish specialty is undoubtedly the Turkish simit (bagel). The simit is a sesame seed-covered bread ring, available

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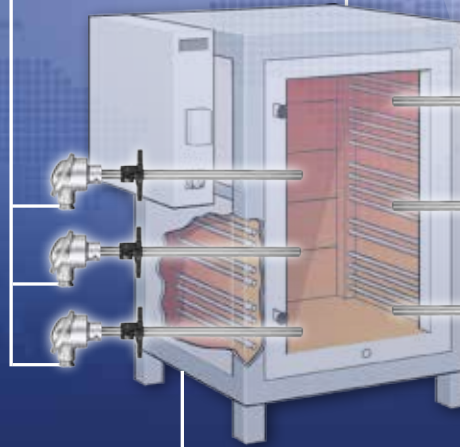
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