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# efsiad

INDUSTRIAL HEATING EQUIPMENT MANUFACTURERS  
and  
BUSINESSMEN ASSOCIATION



**Cihan ACAROĞLU**  
President of EFSİAD

Together with expansion and growth in all other machinery sectors, industrial heating equipment production is also growing in Turkey. We face with steeply increasing demand in our products since our products becomes more trustable. Taking this opportunity we aim to step up our export rate in our business field.

Efsiad is the unique civil Association of Industrial Furnace Manufactures in Turkey, representing his 57 members at all national and international platforms, including CECOF - The European Committee of Industrial Furnace and Heating Equipment Association.

Turkey has big production capacity in Iron and steel Automotive, Textile, Machinery, Electrical White Goods, Aluminum, Aviation and Defense. All these Industries need high standards on quality, accuracy, energy saving and environmental protection abilities in their production machineries. Our members are the furnace suppliers for all these industries, both for domestic market and outer markets such as, Europe , Middle East , America and Asia.

We invite investors to make deal with high quality Turkish Industrial Furnaces throughout EFSİAD or directly with members of EFSİAD.

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FOR QUALITY AND  
EFFICIENCY*

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- ~ High Wire Surface Quality
- ~ Physical Specifications in Accordance With Standards
- ~ Min. Fuel Consumption in Sector.
- ~ Open Fired Wire Annealing Furnace
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INDUSTRIAL  
ENGINEERING

3E ENDUSTRIYEL MUHENDISLIK SAN. TIC. LTD. STI.

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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.

As an engineering company we serve our customer on automation needs and with our expert software development team, we supply bundled software in addition to customized solutions.

#### Products

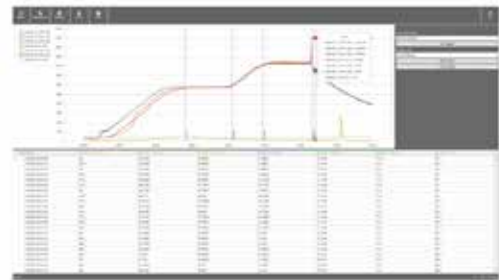
- Eagleye RSD (Runtime SCADA Designer)
- Eagleye HQM (Heat Treatment Quality and Management System)
- Eagleye QRD (Automatic Data Auditing and Reporting Software)
- Eagleye DEW (DewPoint Analyzer)
- Eagleye RDR (Data Logger)
- Eagleye PHT (Portable Heat Treatment Machine)
- Eagleye RRS (RealTime Remote Support Software)
- Customized Software Solutions
- Control systems for Vacuu

#### Related Sectors:

- Automotive
- Heat Treatment
- Metal Covering
- Industrial Furnaces
- Autoclave



Eagleye HQM®



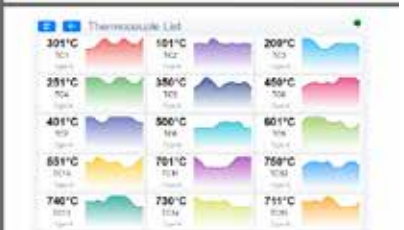
Eagleye QRD®



Eagleye DEW® & Eagleye PDR®



Eagleye RSD®



Eagleye PDR®

# 5M INDUCTION

5M ELEKTROMEKANİK İMALAT İNŞ. TUR. VE DAH. TİC. LTD. ŞTİ

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5M, with the importance given to the quality and the desire to achieve the challenge, is spread over 4 Continents, and 35 Countries.

5M Induction Systems, established in 2002, is a multi-partner international organization. With its headquarters and production site in Istanbul, 5M operates in a wide geography with its extensive sales and service network throughout the world. Our main products and services related to induction melting systems, related sectors and areas:

Our successful experience in induction melting systems and our capacity to meet your needs make us a valuable supplier and service center for you. In line with your demands, we realize your projects with mutual cooperation and trust.

## Products

- High technology power converters with "IGBT and Thyristors" technology.
- 25kg. – 30 ton capacity foundries, special solutions and more.
- Steel, stainless, ductile iron, pig iron, brass, copper, aluminum, iron and nonferrous alloys.
- Induction heating systems.
- Induction holding systems.
- Movable crucible induction melting systems for nonferrous metals.
- Mini-melting systems for laboratories and precious metals.
- Dual frequency or variable frequency induction melting systems.
- Induction melting systems for steel plants with a capacity of 400.000 tons/year.
- Continuous billet caster for steel billets. (Continuous casting machine.)

**5M  
INDUCTION**



Steel Construction Melting Furnace



Power Converter



Crucible Furnace



Melting systems at the time of operation



5M Steel Plants



5M Mini Melting & Heating System



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Our company was established in year 2001.

Acar Teknolojik Sistemler offers the best industrial furnace and heat treatment solutions to customers with high level engineering and innovative design. We have achieved many successful projects with continuous improvement.

All types of electric, gas or other fuel heated, furnaces operating between 50-1300°C temperatures are manufactured based on our customer's demand.

#### Products

- Aluminium Billet Heating Furnace
- Aluminium Aging Oven
- Aluminium Melting & Holding Furnace
- Aluminium Homogenizing Furnace
- Aluminium Log Hot Shear Machine
- Die Heating Furnace
- Pit Type/Bell Type Furnace
- Batch Type Furnace
- Car Bottom Type Furnace
- Composite Cure Furnace
- Tempering Furnace
- Hardening Furnace
- Walking Beam Type Furnace
- Roller Furnace



# adencon

Industrial Furnaces

ADENCON MÜHENDİSLİK MAK. İML. SAN. TİC. LTD. ŞTİ.

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Adencon Industrial Furnaces was established in 2007 and main business issue is manufacturing heat treatment furnaces for ferrous and non ferrous metal industry.

Main principle of Adencon is to have satisfied customers by presenting the best solutions quickly by support of the specialized team on issue of heat treatment furnaces and plants.

In accordance with this main principle, we serve not only to manufacturing industry but also to universities, research centers and R&D Institutes.

With our pproducts we are serving for many manufacturing industries like defense and aerospace, machinery, tool steel and die industry etc. In addition to manufacturing of new plants, we support the customers for after sales services, maintenance, spare parts, rebuilding of plants and engineering services.

## Products

Industrial and labrotary type heat treatment furnaces  
Vacuum heat treatment and brazing furnaces  
Vacuum tempering and aging furnaces  
Furnace equipment and spare parts;  
Maintenance, service and spare parts for all type furnaces.

## Related Sectors:

Automotive, tool steels and die industry, aerospace, aluminium factories etc. For example we manufacture vacuum furnaces for heat treatment of tool steels lile quenching, brazing, tempering, stres relieving etc.

## Export Markets

We are designing and manufacturing accordign to related standarts like ASME, European Standarts, German standarts etc.





## AKM METALURJİ SAN. TEM. VE DIŞ TİC. LTD. ŞTİ.

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AKM Metalurji provides high temperature insulation materials, refractories and complementary products for metallurgical industry since 1992.

With its expert engineering department, competent management approach and employees, AKM offers smart and cost-effective insulation solutions to dozens of diverse sectors such as Iron&steel Aluminum, Energy, Petrochemical, Industrial Furnace Manufacturers, Marine, Ceramic and Glass.

AKM Metalurji having a capability of meeting demands instantly thanks to its large a diverse stock capacity, guarantees complete delivery of its products on time with strong supply chain and modern storage unit at its 10.000 sqm modern facilities in Istanbul Tuzla Industrial Zone.

Considering increasing need for monolithic refractories globally, AKM signed a license agreement with American based United Refractories Co. and put its products into service to the industry in 2020. With carefully selected raw materials, fully automatized production process, accuracy in quality control steps this investment is a point of pride for Turkish industry.

AKM has ability to provide wide range of monolithic refractories in diverse field of application regarding customer request and total system efficiency.

### Products

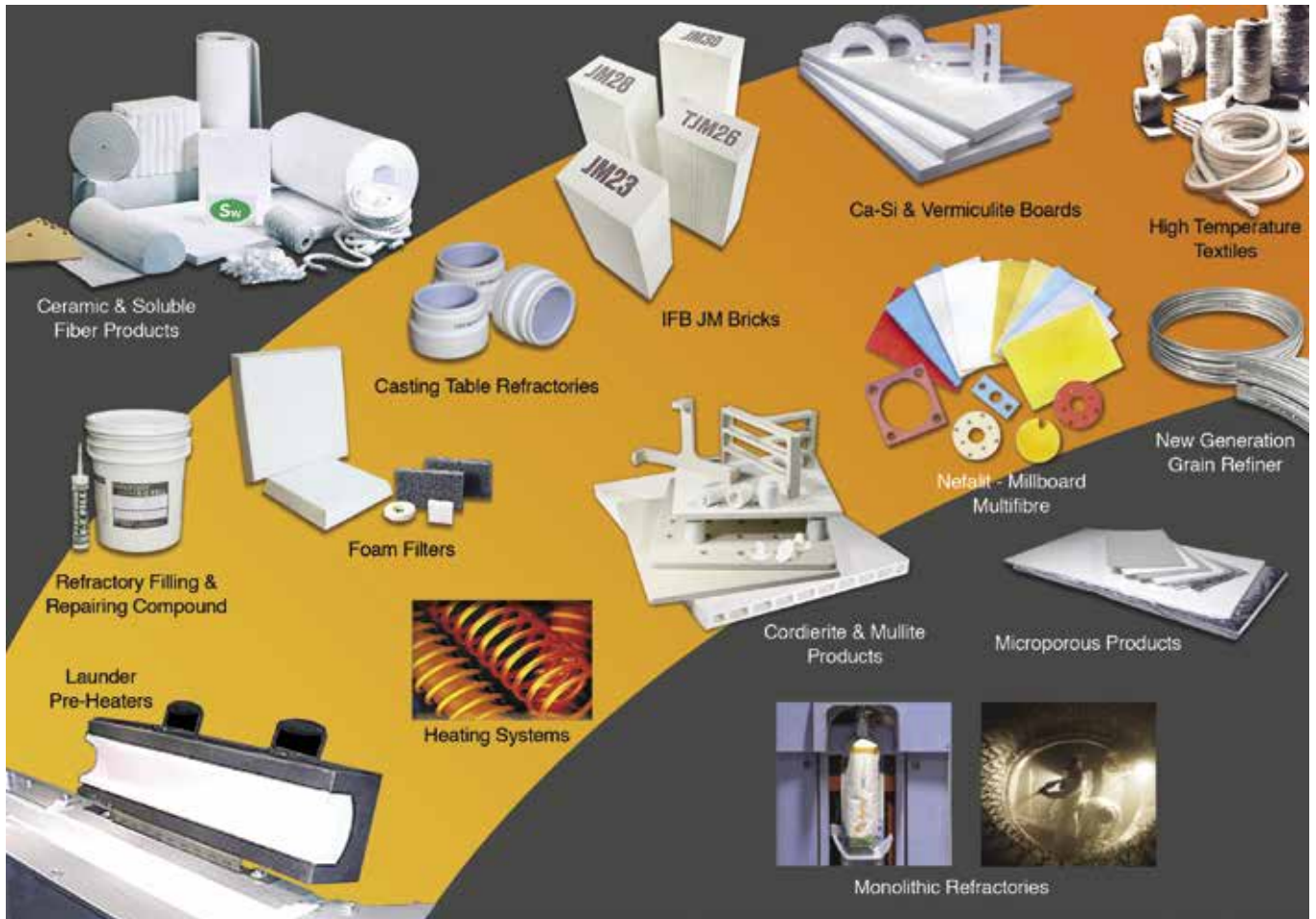
Ceramic fiber materials, AES bio soluble products, monolithic refractories, IFB JM bricks, mortars, passive fire protection materials, asbestos-free boards (Nefalit, Millboard, Multifibre), microporous materials, mineral wool (rockwool, glass fiber products), industrial heating systems, high temperature textiles, aluminium contact refractories, micanit sheets and rolls, anchors, ceramic rollers, cordierite & SiC products, Ca-Si & vermiculite boards, master alloys for aluminum industry, foam and cloth filters.

### Related Sectors:

Iron & Steel, Aluminium, Ceramic, Glass, Cement, Industrial Furnace Manufacturers, Domestic Appliances, Heat Treatment, Automotive, Marine, Petrochemical Industries.

### Quality Certificates

ISO 9001:2015





## ARSTEKNİK ENDÜSTRİYEL MÜHENDİSLİK A.Ş.

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Arsteknik was established in 2009 as a result of entrepreneurship in the field of industrial furnace manufacturing. It serves its customers with tailor-made solutions and turnkey installation approach.

In addition to the production of industrial furnaces used in casting and extrusion lines in the aluminum sector, it also responds to its customers with the production of machines that require R&D with its expert engineer staff and knowledge.

Aluminum, shoes, pipes, paints, iron and steel, energy, recycling, food, aerospace-defense, heat treatment, forest products, automotive, agriculture, textile industries, as well as storage tanks, scrap presses, platform services, carrier cars and furnace spare parts.

We do not limit ourselves as a market, we try to be wherever there is a fire. However, to mention our closeness to the aluminum industry as the industry and experience, the aluminum industry has a rising trend and we anticipate that this trend will continue to move in the positive direction for the next 10 years. Both the investments made and the interest of companies operating in different sectors in the aluminum sector underline our predictions. Our exports and negotiations continue to the Balkans and European countries, especially to the Turkish states.

As we all know, 2021 started sluggishly with the effect of the Pandemic and the first quarter passed with numbers below our targets. In the following times, the effect of the disease on the economy decreased, the trade volume returned to its former form with the measures taken by all the world's states, and quick decisions were taken to compensate for the time spent on investments under the pillow. The rapid decisions taken in the middle of 2021 had a positive effect and we filled our full capacity, this time we were in a sweet rush to meet the deadlines we gave and we increased our staff 2.5 times.

The year 2022 is largely export-oriented for Arsteknik, and we have determined our strategies to achieve these goals. We continue to receive inspiration and support from technology so that our product costs and labor costs are realistic in order to achieve competitive prices all over the world. On the other hand, we are making our moves to shorten our deadlines in order to stay ahead of the competition and add +1 to our customers. When we reach our goals, we will continue to include technological investments and strong solution partners in our ecosystem in order to increase the human resources and production capacity we need.

As we said at the beginning, Arsteknik is not a brand with limits, it is an engineering company that believes that it will produce every machine with a process. We will continue to offer turnkey solutions to our customers in order to show our enthusiasm for production wherever there is fire. We aim to contribute both to the decreasing stock of raw materials in the world and to recycling for a greener World, by using our stance that we stand by our customers and our belief in added value to benefit from revision investments.



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ATM Atılım Teknik Makine was founded in Ankara in 1999. Since 2017, ATM continues to serve in the new production area with 20.000m2 closed area. 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.

### Products

#### Recycling Machines and Plants

- Tilting Rotary Furnace
  - Aluminium Holding & Melting Furnace
  - Shaft Type Aluminium Melting Furnace
  - Side Well Furnace etc.
  - Ingot/Deox Production Line
  - Billet Production Line
  - Briquetting Press
  - Shredder
  - Jet Pulse Filtration System
  - Ingot Stacking&Strapping Line
- #### Foundry Machines and Plants

### Related Sectors:

Non-ferrous, Casting Sector, Aluminium

### Quality Certificates

ISO 9001

### Export Markets

Romania, Greece, Spain, Georgia, Azerbaijan, Colombia, Algeria, Albania, Libya, Thailand, Germany, Saudi Arabia, Italy, Argentina, Poland, UAE, Tunisia, Hungary, Portugal, Serbia, Ukraine, Israel, Kazakhstan, Austria, Sweden, Russia

### recycling machines and plants



### foundry machines and plants

Aluminium Holding & Melting Furnace



Tilting Rotary Furnace

Deox and Ingot Casting Machine



Jet Pulse Filtration System & Gas Cooling Unit



Aluminium Homogenisation Plant



*Türkiye'de yapılamayacak imalat yoktur.*



Metal Briquetting Press

Double Shaft Shredder



Aluminium Holding & Melting Furnace



Aluminium Billet Production Plants



Ingot Casting & Stacking & Strapping Systems



Billet Casting Piston



Shredder & Separation Plants

www.atilimteknik.com.tr  
+90 312 267 2145



## BAYKAL REZISTANS SAN. VE TIC. LTD. ŞTİ

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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.

### 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.

### Products

- Explosion proof heaters
- Tubular heaters
- Cartridge heaters
- Furnace heaters
- Industrial heat exchangers
- Air duct heaters
- Galvanic bath heaters
- Thermocouples
- Plastic industry
- Packaging industry

### Related Sectors:

- Cement industry
- Foundry industry
- Food industry
- Furnace industry
- Glass industry
- Iron & Steel industry
- Petrochemical refineries oil & Gas refineries
- Power plants & Steam boilers and many
- Plastic industry
- Packaging industry

**Baykal Rezistans** 1970

**ENGINEERING SOLUTION FOR ELECTRICAL HEATING ELEMENTS**

ISO 9001:2015 CERTIFIED COMPANY, CE, ISO 14001:2015 CERTIFIED COMPANY, Ex

**AIR DUCT HEATERS**

**BAND HEATERS**

**FLANGED TUBULAR HEATERS**

**EXPLOSION PROOF HEATERS**

**INDUSTRIAL HEAT EXCHANGER**

**FURNACE HEATERS**



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Since 1977, we have been manufacturing industrial furnaces mainly for automotive, fastener, heat-treatment, ceramics, casting, dried-food and related industries. We are doing tailor-made designs to meet our customers' unique needs and expectations. We not only design and manufacture individual industrial furnaces but also turned-key industrial plants together with all other necessary equipments and machinery.

Our biggest wealth is our ability to satisfy and please our customers by our specific solutions, designs and made-to-order products. We have gained excessive experience by applying different types of engineering practices throughout the years. Our goal is to transfer this value to our customers by offering up to date engineering solutions for an affordable price.

Regarding after sales and service, we support our customers during and after our 3 year quartentee period, whenever our assistance is needed.

#### Products

- Annealing Furnaces
- Tempering & Stress Relieving Furnaces
- Hardening Furnaces
- Bell Type Heat Treatment Plants
- Hydrogen Embrittlement Relief Furnaces
- Protective Atmosphere Heat Treatment Furnaces
- Aluminium Melting & Holding Furnaces
- Industrial Drying & Curing Furnaces
- Rubber Vulcanization Plants
- Fruit Drying Furnaces
- Ceramics - Glass - Porcelain Furnaces
- Laboratory Furnaces

#### Related Sectors:

- Fastener
- Casting
- Ceramics
- Industrial Drying
- Food Drying
- Heat Treatment
- Automotive Supply Industry

#### Quality Certificates

ISO 9001-2015

#### Export Markets

Middle East, Balkans, Germany





## COMBHEX COMBUSTION SYSTEMS

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**Address** Orta Mah. Erk Sokak Aslı Ne Mutlu San. Sitesi A:19 Tuzla / İSTANBUL

CombHEX manufactures environmentally friendly, low emission, high efficiency premix burner and combustion systems using the latest known combustion technologies and top quality components.

We bring a new perspective to the combustion systems used in processes that require heat in the industry. CombHEX is one of the industrial production facilities, machine manufacturers, boiler and burner manufacturers; Tailor-made (designed specifically for the process) designs compact, reliable and long-life premix combustion systems to reduce energy costs, reduce environmental adverse effects from high emissions and reduce maintenance costs of its systems, and produce on-site solutions.

We aim to satisfy our customers by replacing old technology, environmentally friendly and low-efficiency combustion systems with the latest technology, compact, environmentally friendly, highly efficient and at the same time low-cost systems. Because, so in terms of energy use and costs, which is also dependent on foreign engineering and design within the meaning of Turkey; By succeeding in reducing foreign dependency, we will have achieved our most basic goal.

CombHEX's vision is to support companies that are solution partners while developing their own processes and products, to enable their partners to design special, compact and cost-effective systems and expand their product range by increasing their know-how.

### Products

- Turn key solutions for industrial projects
- Industrial burners
- Special design burners
- Infrared burners
- Premix burners

### Related Sectors:

- Heating
- Turn-Key projects
- Food processing
- Energy
- Tunnel Ovens
- Metallurgy

### Export Markets

Azerbaijan, Iran, Indonesia, Singapore, Canada, Brazil, Germany, Poland, Slovakia, France, Russia, Ukraine, United Arab Emirates, United Kingdom, Bulgaria, Italy, Egypt, Macedonia .



METAL FIBER COATING TECHNOLOGY

**PREMIX BURNERS**



### Tailor made Burner Systems for your Processes



Infrared Gas Premix Burners



Special Designed Burners for Industrial Processes



Special Designed burners for Industrial Processes



Direct Heating for tunnel ovens



Flame Curtains for heat Treatment Furnaces



Preheating Burners before welding / assembly



Coating Furnaces (teflon coating, preheating before coating, electrostatic powder coating)



ÇUKUROVA MÜHENDİSLİK ELEKTRİK ELEKTRONİK MAKİNE SAN. VE TİC. LTD. ŞTİ.

**Contacts Sertaç ÇOĞAL**

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**Phone** +90 212 668 42 53

**Fax** +90 212 667 50 55

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

**Address** Defterdar Mahallesi, Otağçılar 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





**EFESMETALURJİ**  
Endüstriyel Fırınlar ve Ekipmanları Servisi

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

**Contacts Hakan ONFİDAN / Muhammet BALCI**

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**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 Anchor, 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



# **BROX**<sup>®</sup>

**BOILER & BURNER COMPANY**

ELEKTRODİNAMİK TEK. MALZ. MAK. VE SAN. VE TİC. LTD. ŞTİ.

**Contacts** **Volkan ALBAYRAK**

**E-mail** volkan@brox.com.tr

**Phone** +90 546 591 01 39

**Fax** +90 216 591 01 96

**Web** www.brox.com.tr

**Address** İstanbul Organize Deri Yan Sanayi Bölgesi, Keratin Sok. No : 9 YC 14 Özel Parsel Tuzla / İSTANBUL

Our company was established in 1991 and operates its facility in İstanbul Organized Leather Industrial Zone. Due to its planned facilities, enlarged product range and qualified production principles, it has become a preferred brand in the market.

## **Products**

- Iron-Steel Mills
- Glass Industry
- Textile Industry
- Dangerous Waste Recycling Facilities
- Aluminium & Copper Ind.
- Chemical Industry
- Mining
- Biomass Recycling
- Ceramic Industry
- Marine Industry
- Power Plants
- Waste and Solid Waste rRecycling

## **PRODUCTS**

### **FURNACES**

Industrial Furnaces  
Stress Relieving Furnaces  
Annealing Furnaces  
Drying Furnaces

### **BOILER**

Steam Boiler  
Steam Generators  
Thermal Oil Boiler  
Waste Heat Boiler  
Marine Type Boiler  
Hot water Boiler  
Condenser Boiler

### **BURNERS**

Industrial Burners  
Rotating Dish Burner  
Rotary Cup Burner  
Process Burner  
Coal Burner

### **GAS PRESSURE REGULA STATIONS**

RMS-A  
RMS-B

### **AUTOMATION**

Natural Gas Conversion Sys.  
Boiler Automation Systems  
Burner Automation Systems  
Furnaces Automation Systems  
Pyrolysis Automation System

**BROX**

**BURNERS FOR FURNACES APPLICATIONS | BOILER & BURNER COMPANY**



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

# Elimko

ELİMKO ELEKTRONİK İMALAT VE KONTROL TİCARET LTD. ŞTİ.

Contacts **Malik AVİRAL**

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Phone +90 312 212 64 50

Fax

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.

#### 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

#### 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.

#### Related Sectors:

- Cement Industry
- Ceramic & Porcelain Industry
- Oil & Gas Refineries
- Chemical, Petrochemical Refineries
- Food Industry
- Furnace Industry
- Iron & Steel Industry
- Power Plants & Steam Boilers
- Glass Industry
- And Many Other Industries' Branches

#### 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**



**Complete Turn-Key Projects**



**Including Mechanical Parts Factory Automation**



**Control Panel Manufacturing**



**Thermowells with Gun Drill Machine**



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

**Contacts Ahmet CİVAN / Emrehan CİVAN**

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**Phone** 90 262 502 30 82 - 84

**Fax**

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

**Address** Köşeler Mahallesi, Mermerciler Sanayi Sitesi, 23. Sokak, No:11, 41455 Dilovası/KOCAELİ

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





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

Contacts **Atilla ODABAŞI**

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Fax +90 216 377 67 32

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

Address Behcet Necatigil Sokak No: 9 A-B 34880 Soganlık - Kartal / ISTANBUL

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

#### Related Sectors:

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

#### Export Markets

Europe, Azerbaijan, Middle East







## FOCUS ENDÜSTRİ SATIŞ PAZARLAMA MÜH. VE DAN. HİZ. LTD. ŞTİ.

**Contacts** Hasan YILDIZ

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**Phone** +90 537 838 49 17

**Fax**

**Web** www.focusendustri.com.tr

**Address** Körfez Mahallesi Rıza Paşa Sokak No:37/A İzmit/KOCAELİ

### Experienced, Passionate, Dinamic Team

As FOCUS ENDUSTRI, we became fascinated by the idea of helping the customer achieve excellence and set out to supply best quality products in the shortest delivery time and at the most affordable price.

We work collaboratively with clients and producers to supply most efficient solutions by using the experience we have gained over 15 years in industrial, construction and energy sectors.

We focus on voice of our customers in every step of our business processes by putting current technology and innovation tools in our center

### Products

- Burner and Combustion Systems
- Regenerative Burner Systems
- Liquid Technologies
- Automation Instrumentation Systems

### Related Sectors:

- Iron steel
- Glass
- Marine
- Waste incineration
- Aluminium
- Ceramic
- Food
- Petrochemical
- Casting
- Wood
- Chemical
- Scrap Recycling

### Quality Certificates

- ISO 9001: 2015 Quality Management System Certificate
- ISO 14001: 2015 OHSAS System Certificate
- CE Certificate: General Product Safety Directive 2001/95/AT

### Export Markets

Middle East, Ukraine, Russia, Europe, Africa





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

**Contacts Emrah KÜÇÜKALİ**

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**Fax** +90 216 377 67 32

**Web** www.fornaxsoftware.com

**Address** Yalı mah. Topselvi cad. MAI Residence B Blok No:100 D:44 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

# Gassero

GASSERO ISI TEKNOLOJİLERİ SANAYİ LTD. ŞTİ.

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Fax +90 216 394 24 91

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

Address İstanbul Endüstri ve Ticaret Serbest Bölgesi 4.Sokak, No:8, 34957 Tuzla İSTANBUL/TÜRKİYE

Our company has brought together more than 60 years of experience in the thermal heating and process heating industry with the Gassero brand. It continues its production activities in the Istanbul Industry and Trade Zone.

Gassero develops and manufactures tailor-made, energy efficient, environmental friendly system solution for various industrial applications within the R&D Department.

Our company, which has accomplished many successful projects with its domestic and export sales offices. With the contracting group, it carries out governmental and special sector turnkey projects including control automation systems for its customers globally.

Gassero offers solution for the food production, textile, dryers, foundries, asphalt, metal - glass and ceramics production, steel making, cement industry, thermal power plants and many other sectors.

## Products

Package Burners, Industrial Burners, Special Burners for the Processes, Gas Lances, Pilot Ignition Lances, Gas Trains, Burner Management Systems, Automation-Control Systems, Hot Gas Generators, Turnkey Projects

## Related Sectors

- Steel
- Aluminium
- Glass
- Cement
- Asphalt
- Food
- Textile
- Drying
- Thermal Power Plant
- Foundry

## Quality Certificates

- EN 9001:2005
- ISO 14001
- ISO 45001
- CE
- TSE
- SELO

## State of the Art Burner Solutions for Your System



GAS BURNER



HEAVY-OIL BURNER



LIGHT-OIL BURNER



DUAL FUEL BURNER  
(GAS - HEAVY OIL)  
(GAS - LIGHT OIL)



GAS TRAINS  
(FUEL STATIONS)



AUTOMATION  
CONTROL SYSTEM



**Gassero**

[www.gassero.com](http://www.gassero.com)



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

Contacts **Ekrem ATAMAN**

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Phone +90 262 311 29 49 | +90 262 373 29 01 Fax +90 262 311 24 49

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

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

İndemak was established in 2006 and continues its activities over a total area of 5.000 m2 with covered area 3.000 m2. İndemak 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.

İndemak 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, İndemak 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 TÜRKİYE

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**Web** www.jumo.com.tr

**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.

Contacts **Murat GÜL**

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Phone +90 216 420 81 45

Fax +90 216 420 81 48

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

Address Yüksel Ofis Tatlısu Mahallesi Erkaya Sokak No:1 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

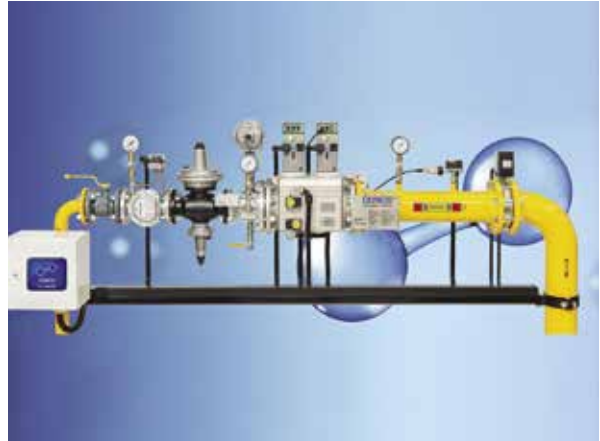
Burner Management Systems Automatic Burner Controls, Pressure regulator, Solenoid valves Double solenoid valves, GasMultiBloc Multifunctional gas controls, Valve proving system, System engineering Gas trains, Ball valve, Filters, Motor butterfly valve & Actuators, Accessories.

## Quality Certificaters

ISO 9001:2015, Type test certificates acc. to Gas Appliance Regulation (GAR), Pressure Equipment Directive (PED). US Approvals (UL, UR, CSA, FM). REACH, RoHS, China-RoHS. CCC-Declaration

## Export Markets

Europe, EAC, USA, Canada, South America, China, Japan, India, South Africa.





## KARTAL BOMBE SANAYİ

### Contacts

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

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

Our company KBS started its journey in the sector in 1940. Manufacturing of dished heads and dished heads products, production pressure equipment, heat treatment, section and pipe bending, 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 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.

### Products

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

### Quality Certificates

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

### Export Markets

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



DISHED HEAD - SPHERICAL TANK - LPG TANK - PIPE BENDING - PRESSURE EQUIPMENTS - HEAT TREATMENT

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

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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





**Contacts Hanife WIDEBERG / Demir BUKULMEZ**

**E-mail** info@multimetal.com.tr / hanife@multimetal.com.tr

**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, equipmants, furnace)
- Automotive (Mould, spare parts)
- Chemicals & oil-chemicals industry.
- Steel industry
- Water treatment
- Furnace industry (radiant & heat-exchanger tubes)





## OPTIMAL FURNACES

OPTİMAL ENDÜSTRİYEL FIRIN SAN VE TİC . LTD. ŞTİ

**Contacts** Mr. Hüseyin KARA / Mr. Mehmet DEMİRCİ

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

**Phone** +90 216 593 33 59

**Fax**

**Web** www.optimalfurnaces.com

**Address** Aydınlı Birlik O.S.B. 6.Sok No:7 34953 Tuzla/İSTANBUL - TÜRKİYE

With a foundation history, back in 1996, today with 4.800 m<sup>2</sup> factory areas, we are placed as one of the leading producer and global supplier of industrial furnaces and firing plants for ceramic industry.

To be a global brand, we are providing superior quality engineering solutions through customized design, manufacturing, installation and the best after-sales support.

Today, besides our high experience, some of the important reasons for our customers to choose Optimal Furnaces are:

- High quality production with low investment cost,
- Low energy cost,
- Low operating cost,
- Low maintenance cost,
- Homogenous temperature, inner pressure, atmosphere control by flexible and user friendly control system
- Respectful approach to the health & environment.

### Products

Ceramic kilns & firing plants

### Related Sectors

Ceramic Industry

### Quality Certificates

ISO9001:2015

### Export Markets

Europe, North America, North Africa and Middle East Countries



# ORDEL

ORDEL ORTADOĞU ELEKTRONİK SAN. VE TİC. LTD. ŞTİ

**Contacts** Serkan ÇAKIROĞLU

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**Phone** +90 312 385 70 96

**Fax** +90 312 385 70 78

**Web** www.ordel.com.tr

**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 Managemet System - CE Certificate – GOST-R Quality Certificate

## Export Markets

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

## Products

Process Control Devices, Electronic Devices, Signal Converters, Filter Timer, Relative Humidity And Temperature Transmitters, Weight Control Devices, Auxiliary Softwares, Level Sensors, Thermocouples, Resistance Thermometers, Thermowells, Thermocouple 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.

**Contacts** Meral ÖNDER / Gökay ÖTLEŞ

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

**Phone** +90 262 335 47 47 | +90 533 325 03 84 **Fax** +90 262 335 33 31

**Web** www.onder.com

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

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.

Under the cooperation with the German company C-Deg, we design and produce biogas and syngas flares.

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.

#### 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
- ISO
- EAC
- SIL
- PL
- FM
- SA
- UL
- AGA

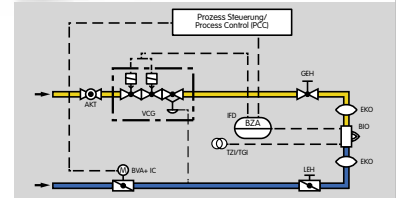
#### Export Markets

Germany, China, EMEA etc.

## Your partner in industrial combustion for 47 years



- Product** All parts for gas combustion and safety systems
- Project** Project development for turn key combustion systems
- Service** Commissioning and start up of combustion systems
- Maintenance** Maintenance of combustion systems on site
- Training** Training and seminars for combustion systems
- Biogas** Syngas and biogas flares
- Support** 7/24 technical support line +90 542 663 37 41



Önder Müh. San. Tic. A.Ş. Sanayi Mh. Kuzey Sk. No.16 TR - 41040 İzmit / Kocaeli / Turkey, Tel +90 262 335 47 47, www.onder.com



## RBS RAVAGO İNŞAAT YALITIM ÜRÜNLERİ A.Ş.

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**Web** 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

## THE SHINING STAR OF THE WORLD IN INSULATION: 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 more than 120.000 tons annual production capacity.
- Using own raw material from its quality, using self-generated electricity, oxygen and resin for production.
- First ceramic fiber producer in Turkey.
- With its investments in abroad, transfers its quality and technology to the world.

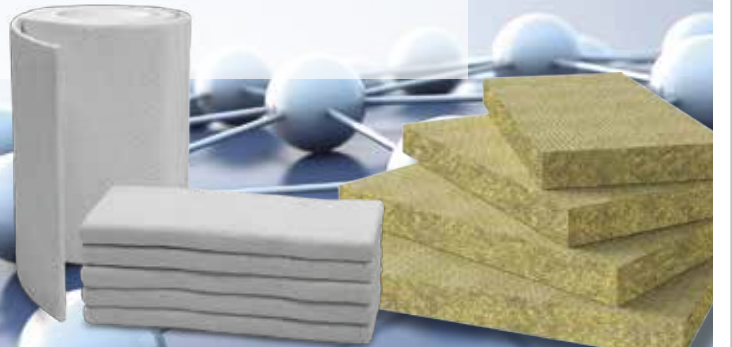
**Ravago Building Solutions**, protecting your investments in every area from residential to industrial against heat, cold fire, noise and damp.

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



"milestone of insulation"

[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 İnköy Mah. Perli Yolu Cad. No:19 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.

So we know that success is never a coincidence.

Refsan production facilities are established in 5500 m2 closed area and with 80 employees. Refsan, also establishing Turkey's first and still the only ceramic materials and machinery markets in 2006 and continues its leadership in this area. Our know-how and our specialized team combine the highest quality materials with the production and human resources available.

Our firm has established ceramic, tile, glass fusion and gilding workshops to almost all of the universities, municipals, public education centers, rehab centers, and private schools. With the strength that we obtain from customers, we continue these works. We are using special software for these design works, with the help of it, we are creating the interior design of those workshops.

This makes us unique in the world.

#### Products

- Ceramic kiln
- Annealing
- Drying Ovens
- Machines and Equipments
- Heat treatment
- Glass-Fusion
- Ramat and Dental Sectors Kilns

#### Related Sectors

- Ceramic
- Tile
- Glass
- Iron and Steel Sector

#### Quality Certificates

ISO 9001:2015, CE Certificate

#### Export Markets

Europe, Asia, America, Australia, Africa



## INDUSTRIAL FURNACE ARTIST



(High capacity furnaces suitable for the sector)

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

0-1300°C  
Heat

**THERMAL  
PROCESSING KILN**

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

## RTI ENGINEERING INDUSTRIAL FURNACES AND COMBUSTION SYSTEMS

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**Web** www.rtimuhendislik.com

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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



### 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



# SAN

## MALZEME TEKNOLOJİLERİ

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

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Phone :+90 216 452 96 80

Fax

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 MoSi<sub>2</sub> 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 Modüller Isıtma Sistemleri
- APMT Konstrüksiyon Malzemeleri

### IMP Intermetall Produkte AG



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

### OVAKO



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

### NIPPON KORNMEYER 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 Taranları
- Fin Makinası
- 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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**Web** www.sarvion.com

**Address** TOSB TAYSAD Organize Sa. 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 upgrading projects on industrial furnaces. As an engineering company, we provide also programming and control system revisions. With the beginning of this year Sarvion is in process to be a globally accredited third party company to do industrial furnace inspection to verify compliance with standards such as CQI-9, AMS2750.

#### 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 Revisions
- Combustion System Revisions
- Refractory Revisions
- Furnace Modernization
- Movement of Facility

#### Related Sectors

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

#### Quality Certificates

ISO9001-2015, OHSAS 1800

#### Export Markets

Germany, England, Russia



Your solution partner for all  
brands and types of industrial furnaces

**Contacts** **Beste ÖZDEŞLİK**

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**Phone** +90 262 658 29 14

**Fax** +90 262 658 18 19

**Web** www.sistemteknik.com

**Address** TOSB – Taysad Otomotiv Yan Sanayi İhtisas OSB 1. Cadde 15. Yol No: 1 – 41420 Çayırova/KOCAELİ/TÜRKİYE

Sistem Teknik is a company that has over 40 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 it has, Sistem Teknik offers effective and innovative solutions to its customers, while continuing to support with spare part recruitment and technical support services after sales.

#### Related Sectors

- Iron & Steel
- Defense
- Commercial Heat Treatment
- Tube Industry
- Copper Industry
- Automotive
- Leaf Spring
- Fasteners & Bearing
- Composite Industry
- Aviation
- Fire Testing
- Forging Industry
- Steel Plants & Foundries

#### Products

- Vacuum Furnaces
- Fire Resistance Test Furnaces
- Leaf Spring Furnaces
- Mesh Belt and Roller Conveyor Furnaces and Heat Treatment Lines
- Boggie Heart Type Furnaces
- Walking Beam Furnaces
- Bell and Pit Type Furnaces
- Atmosphere Controlled Furnaces
- Microwave Furnaces
- CTS Diaphragm Furnaces
- Vacuum Drying Furnaces
- Custom Designed Furnaces and Heat Treatment Lines

#### Export Markets

Europe, North Africa, Russia, USA, Brazil, China, Ukraine



Turnkey solutions for  
your heat treatment requirements

**Contacts Melih SÜSLEYEN**

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**Phone** +90 216 593 18 60

**Fax** +90 216 593 18 67

**Web** www.teknotherm.com.tr

**Address** Gülsuyu Mah. Fevzi Çakmak Cd. Bilginer Sk. Tesa İş Merkezi No.9/1 Maltepe / İSTANBUL

Since 1987, TEKNOTHERM has been the leading company in the high temperature insulation and refractory market.

Teknotherm has invested in a most modern ceramic fiber production plant and has started to produce refractory ceramic fiber with European quality at the end of 2020. The quality of their products have found the acceptance of many European companies .

Teknotherm is planning to expand their production range by producing soluble fibers, boards and paper production. The production of these additional product lines will be finished in 2023.

#### Products

Ceramic Fiber Products, (Blankets, Bio Soluble Blankets, Moist Blankets, Paper, Board, Adhesives, Bulk Fiber, Module, Glass and Ceramic Fiber Textile Products), Calcium Silicate Boards, Vermiculite Boards, Isolated Fire Bricks, Microporous Super Insulation Products, Rock Wool, Casting Products (Mica Folio, Filters, Isolated Feeding Bricks), Resistance Wire and Heating Systems, Pyrometers and Thermal Cameras, Infrared Cameras, Fire Protection Products

#### Related Sectors

Industrial Furnace Production, Ceramic, Glass, Heat Treatment, Foundry, Iron Steel, Cement, Thermal Power, Petrochemistry, Enamelling, Automotive and Forging

#### Quality Certificates

ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

#### Export Markets

Europe, Middle East, North Africa, America



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**Web** www.teknovak.com

**Address** Cihangir Mah. Sarı Zeybek Cad. Kale Kalip Apt. No:4, 34310, Avcılar/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&nitrocarburizing 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 Avcılar/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&nitrocarburizing furnaces with pre/post-oxidation,  
Bell type hardening furnaces for carburizing, austempering.  
Solute solution treatment furnaces for aluminum 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



**Gas Nitriding & Nitrocarburizing Furnaces**

No Parking Problem with Modern Lines

$$K_n = \frac{pNH_3}{pH_2^{1/2}}$$

**Multi Functional Applications:**

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- Nitrocarburizing
- Post Oxidation (Nickel)
- Surface Activation for De-Passivation
- Waste Layer Free with Low KN Value
- Preferential 1 and 2-Crystal Structures

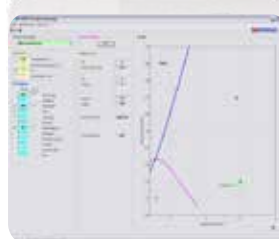
**KN Controlled Gas Nitriding and Nitrocarburizing**

**Standard Features:**

- One-Wire/Lead and Inertness
- All Loading & Unloading & Inert
- Sample Heating in Air/Water or Oil
- Water Gas Treatment
- After Heat Soaking, air cooling from hot body

**Optional Features:**

- Sample Heating
- Automatic Cooling System
- Inert Gas System
- Sample Heating in Inertness
- Inert Gas/Water System
- No Release to High Level
- KN Control & Control System



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

Address Esentepe Mah. Milangaz Cd. No:75 Kat: 3 Monumento Plaza Kartal/İSTANBUL

Termo Isı Sis. Tic. San. ve A.Ş., which was founded in 1967 in Istanbul, is today one of the leading companies of heating sector with its brand ECOSTAR, headquarters in Istanbul. Ecostar has a manufacturing facility of 50.000 m<sup>2</sup> open 15.000 m<sup>2</sup> closed area in Corlu/Tekirdag and meets the demands of its customers on world standards throughout its domestic and foreign sales offices. Beside domestic and industrial burners, Ecostar also serves its customers with a solution-oriented approach by manufacturing domestic and industrial hot air generators, high temperature resistant process burners special for industrial furnaces and fluidized bed boilers, premix burners for condensing boilers and many other products.

Process Burners are compatible even with heavy industry applications owing to its superior design. Easy connection with the connecting flange and the optional flame tube length allow easy adaptation to rendered systems. System-specific designed control and command panels meet the requirements of single and multi-zone control systems.

Ecostar burners are used in furnaces and salt baths where treatment processes are carried out by annealing, recrystallization, normalization, carburization, hardening, etc.

- In furnaces with crucible and similar ones where alloys like aluminium, magnesium and copper are melted down.
- In dye cabinets where dyed metal products are kiln-dried in dyeing industry.
- In indirect hot air gas generators manufactured to dry various foodstuff, mines, etc.
- In cabin, tunnel and cart type furnaces that are used in firing simalar materials like porcelain and ceramic.

The recuperative burners has high energy efficiency, low flue emission values, and designed for direct and indirect heating systems. The combustion air is heated with the recuperator integrated to the burner body. Ecostar, who is able to meet different demands of its customers with the assistance of its many years of experience in the sector, also carries out turn-key government and private sector projects both in Turkey and abroad. Ecostar who keeps maintaining its solution and trust oriented activities, works to provide the highest efficiency with minimum cost for its customers.

## Products

Package, process and industrial burners, hot air generators, condensing boilers.

## Related Sectors

Heating, Energy, Industrial Furnace and Boiler Manufacturers, EPC and Turn-Key projects.

## Quality Certificates

Quality Management System Certificate, ISO EN 9001:2015,WIPO International Trademark System Certificate, Domestic Goods Certificate,Service Adequacy Certificate acc. To TS 12676 (For Boilers) & TS 12865 (For Burners), TURQUIM Turkish Quality of Machinery Certificate, EPDK Certificate, ECOSTAR Trademark Certifications; ECOSTAR Trademark Registration Certificate, Monoblock and Process Combustion Burners CE certification (GAR; 2016/426/EU), NG series Combustion Burner CE certificate (GAR; 2016/426/EU), Low, NoX (LNX) series Combustion Burner CE certificate (GAR; 2016/426/EU), Process Combustion Burners CE certification (EN 746-2, 2006/42 /EU), TS EN 676 Gas Fuel Burners National Standards (TSE) Certificate, TS EN 267 Oil Fuel Burners Nat. Standards (TSE) Certificate, TS EN 676 + TS EN 267 Combined Fuel Burner Nat. Standards (TSE) Certificate, TS EN 746 Safety requirements for combustion and fuel handling systems (TSE) Certificate, UKR Sepro Gas Fuel and Light Fuel Combustion Burners Certificate (EN 60204-1)

## Export Markets

Azerbaijan, Kazakhstan, Iran, Bangladesh, Malaysia, Australia, Indonesia, South Africa, Lebanon, Jordan, Saudi Arabia, Iraq, Qatar, Ukraine, Kyrgyzstan, Georgia, Turkmenistan, Uzbekistan, Russia, Romania, Spain, United Kingdom, Netherlands, Bulgaria, Poland, Slovenia, Egypt, Israel, Tunisia, Morocco, Algeria, Libya, Nigeria, Tanzania, Canada, Peru, Chile, Brazil, Mexico, Colombia, Ecuador.

## PUMPING STATIONS TURNKEY PROJECTS GAS LINE

### Monoblocks Burners



### High Velocity - Fuse Series



### Industrial Burners



# THERMCORE®

## MARMARA METAL

THERMCORE MARMARA METAL SANAYİ İÇ VE DIŞ TİC. LTD. ŞTİ.

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Thermcore Marmara Metal has been producing industrial furnaces for 30 years. Our founder Mr. Özgülen has 40 years experience in this field. Thermcore kilns are successfully used in tempering, firing, melting drying processes in heat treatment, ceramics, porcelain, glass, enamel, aluminum sectors. With the low consumption values of electric and gas fired furnaces are environment friendly and economical.

Thermcore Marmara also makes special designs in test and laboratory furnaces. Burn-off furnaces for cleaning of different materials are also our specialty. We produce special electrical heating systems for industrial furnaces.

Our company also imports and sells insulation materials, technical ceramics, refractories and kiln furnitures likes SiC or Coriderit Mullit products from Europe and other countries.

Thermcore is the exclusive distributor of the infrared temperature measurement equipment manufacturer Keller MSR company in Turkey.

### Products

- Heat Treatment Furnaces
- Porcelain Furnaces
- Glass Furnaces
- Burn-Off Cleaning Furnaces
- Slow Cook off Furnaces
- Insulation Materials
- Infrared Temperature Sensors
- Polytetrafluoroethylene (teflon) furnaces
- Ceramic
- Roller Tunnel Furnaces
- Industrial Drying Furnaces
- Laboratory and Test Furnaces
- Electrical systems
- Kiln Furnitures
- Melting Furnaces

### Related Sectors

Iron and Steel, Aluminium, Ceramic, Porcelain, Glass, Investment Casting, Enamel, Textile, Cement, Foundry

### Quality Certificates

ISO 9001, CE

### Export Markets

Africa, Asia, Europe





## TREND MAKİNE A.Ş.

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Our company was founded in 2015 with a wide scale of product in order to serve in sectors such as industrial furnace manufacturing, casting heat treatment, iron and steel, ceramics, copper alloys, glass, enamel, cement, whiteware, thermal power station, aluminum, work safety.

With the products we have produced due to increasing demand of industrial furnaces and their equipments our company have become known and turned into a brand name in both our country and abroad. We are the main supplier of insulation and refractory materials, resistors, automation and auxiliary materials.

We continue to provide our services as TREND MAKİNE A.Ş. We are prepared to afford customers' demands with current technology, our knowledgeable and experienced staff.

### Quality Certificates

- ISO 9001:2015
- ISO 14001:2015
- MADE IN TÜRKİYE
- ISO 45001:2018
- CE

### Export Markets

Azerbaijan, Kazakhstan, Iran, Iraq, Ukraine, Turkmenistan, Uzbekistan, Russia, Bulgaria, Libya, Algeria, Somalia, Usa, Israel, Pakistan, Tunisia

### Products

- Die Heating Furnaces
- Car Type Furnaces
- Laboratory Furnace
- Annealing Furnaces
- Forging Furnaces
- Special Type Furnaces
- Stainless
- Brass
- Aluminum
- Induction Melting Systems
- Extrusion Line Furnaces
- Transport Ladles
- Chamber Furnaces
- Muffle Furnace
- High Temperature Furnaces
- Heat Treatment Furnaces
- Ceramics and Glass Furnaces
- Steel
- Ductile iron
- Copper
- Iron and nonferrous alloys
- Melting and Holding Furnaces
- Loading Carts

### Related Sectors

- Iron & Steel
- Ceramic
- Tattoo Industry
- Lab.
- Aluminium
- Industrial Furnace
- Copper and Copper Alloys





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

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We have been produced industrial furnace for 30 years for you as one of biggest industrial furnace producer in Turkey.

We design each furnace according to your need. Our main goal is present to you product that has all technologic features , provide to best P/P ratio and exactly what you need .

We create right product for you with our experience and technologies.

We will proud of being your solution partner about industrial furnaces.

Our mission is to produce special projects and products according to the wishes of our customers, from design to manufacturing, delivery to technical service, and to provide your service with timely and world-class quality, using the experience and technology of the customer atOur mission is to produce special projects and products, from design to production, from delivery to technical service, completely according to the wishes of our customers, and to offer the facility that the customer wants, using its experience and technology at every stage, on time and with world-class quality.

#### Quality Certificates

- ISO 9001 : 2015
- TSE EN 746-2

#### Export Markets

Russia, Ukraine, Azerbaijan, Angola, Ethiopia, Kenya, Bangladesh, Iran, Iraq

#### Products

- Protective Gas Atmosphere Furnaces
- Batch Type Quenching Furnaces
- Tube Annealing Furnaces
- Bell Type Annealing Furnace
- Tempering Furnaces
- Bogie Hearth Type Stress Relieving and Annealing Furnace
- Vacuum Type Transformer Cabin
- Roller Type Pipe Annealing Furnaces
- Stepped Furnaces
- Industrial Burners
- Pit Furnaces

#### Related Sectors

- Heat Treatment
- Defence
- Cosmetic Dust Industries
- Steel
- Agricultural Tools Product Industries
- Automotive
- Transformer
- Tube Industry
- Cast Material Annealing





## 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, İstanbul, Ankara and İzmir became the focus of social and business life. Industry and business clustered in the established commercial centres of İstanbul and İzmir 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. İstanbul, 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 Istanbul, 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.

## » Handicrafts



Among the traditional handicrafts are carpet weaving, ceramics and pottery, embroidery, leather manufacture, musical instrument-making, masonry, copper work, basket-making, saddlemaking, felt-making, weaving and woodwork.

Carpet weaving is one of Turkey’s oldest handicrafts. Turkish carpets and kilims are characterized by the use of woollen yarn, bold drawings and bright colours that form a pattern of infinite beauty. Turkish carpet weaving started among the nomadic Turkish Peoples of Central Asia and was introduced to Anatolia by Seljuks in the 11th century. Anatolian women continued this tradition for centuries, using woollen yarn produced by twisting the wool with their fingers and dyes they extracted from wild plant roots.

The Seljuks and Ottomans developed a highly original decorative and pictorial style for ceramics, imitating the technique of tile-mosaic. With the emergence of Ottoman might, ceramic art matured and Iznik and Kütahya became major centres of production. The Ottomans introduced coloured glazes, in particular sapphire blue and golden yellow, and invented a new technique enabling many tiles to be fired on one single modular tile, thereby eliminating the time consuming process of piecing fragments together in the mosaic. Another traditional handicraft is copper and brass work; the inhabitants of Anatolia have used copper kitchen utensils from time immemorial and copper work reached its height during the Ottoman age. The Ottomans exploited the copper mines of Anatolia and the Balkans, and perfected the craftsmanship of copper. Today, traditional pots and pans have been replaced by more convenient utensils, but in cities where copper craftsmanship continues, such as Gaziantep, Diyarbakır, Kahramanmaraş and Muğla, copper and brass objects are still manufactured in the traditional way.

From the 16th century onwards, jewellery artisans in the Sultan’s Palace succeeded in creating their own original, rich style. The art of jewellery still continues in many regions of Anatolia and the Covered Bazaar in Istanbul has preserved its historic reputation as Turkey’s main centre of jewellery.

## » 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 any time and everywhere from street peddlers to street corners. Turks like to start the day with a freshly baked simit and a cup of Turkish tea which is prepared by using a double-tiered tea pot.

Turkey is adorned with precious examples of humanity's endless strivings in progress, aesthetics, meaning and purpose from throughout history with these combining to form the cultural heritage of our planet. Each monument and object from the past also gives us an insight into our origins and our lives today.

## » Historic Areas of Istanbul



The cultural heritage of Istanbul was shaped by its location as a strategic entrance to Anatolia, Central Asia and the Middle East on the one hand, and to Europe on the other.

The Historic Areas of Istanbul, inscribed in the World Heritage List in 1985, cover four main areas: the Archaeological Park, the Süleymaniye Mosque and its associated Conservation Area, Zeyrek Mosque and its associated Conservation Area, and the City Walls of Istanbul.

In its evaluation report the International Council on Monuments and Sites has stated that one cannot conceive of the World Heritage List without Istanbul, which has been associated with the world's major political, religious and artistic events for over 2000 years. The cultural property in this area includes unique monuments and masterpieces of universal architecture, two of which are the Hagia Sophia (Ayasofya), built by Anthemios of Tralles and Isidoros of Milet in 532-537, and the Süleymaniye Mosque, a masterpiece of Sinan the Great Architect. The 6650m city walls of Theodosius II, with its second line of defences created in 447, has been one of the leading references for military architecture.

## » City of Safranbolu



\* Located in a district of Karabük province in the Black Sea Region of Turkey, Safranbolu is a typical Ottoman city that has survived to the present day with the architectural forms of the buildings and streets illustrative of their period. During its zenith in the 17th century, Safranbolu's architecture influenced urban development throughout much of the Ottoman Empire. The city was an important caravan station on the main east-west trade route from the 13th century to the advent of the railway in the early 20th century. Built in 1322, the Old Mosque, Old Bath and Süleyman Paşa Madrasah are the most prominent examples of Ottoman architecture in the city.

## » Archaeological Site of Troy



Contrary to popular opinion, the archaeological site of Troy does not embody just one ancient city. In fact, this site comprises the ruins of at least nine different settlements, built one on top of the other, dating back to the early Bronze Age. The first city was founded in the 3rd millennium BC and flourished as a mercantile city due to its location.

This unique site enabled its inhabitants to control the Dardanelles (today's Çanakkale Strait), a waterway which is used by every merchant ship passing from the Aegean Sea and heading for the Black Sea. The extensive remains at this archaeological site are the most significant demonstration of the first contact between the civilisations of Anatolia and the Mediterranean world. Naturally, Troy is of immense significance to understand the early development of European civilisation at such a critical stage. Moreover, Troy is of exceptional cultural importance because of the profound influence of Homer's Iliad on the creative arts over more than two millennia.

## » Göreme National Park and The Rock Sites of Cappadocia



Located among the 'fairy chimney' rock formations, Göreme is a town in the Nevşehir province of Central Anatolia. With a spectacular landscape entirely sculpted by erosion, the Göreme Valley and its surroundings contain rockhewn sanctuaries that provide unique evidence of Byzantine art in the post-Iconoclastic period. The area also contains the villages of prehistoric cave dwellers and underground cities that include the remains of human habitation dating back to the 4th century. Göreme contains unique natural features and displays a harmonious combination of natural and cultural landscape elements.

## » Hattusha: The Hittite Capital

Hattusha, found near modern Boğazkale (formerly Boğazköy) in Çorum province, was the capital of the Hittite Empire in the Late Bronze Age – a region situated in a loop of the Kızılırmak River in Central Anatolia. The archaeological site of Hattusha contains several notable elements: its urban organization, the types of construction that have been preserved (temples, royal residences, fortifications), the rich ornamentation of the Lions' Gate and the Royal Gate, and the ensemble of rock art at Yazılıkaya. The city enjoyed considerable influence in Anatolia and northern Syria in the 2nd millennium BC.

## » Mount Nemrut



Mount Nemrut can be found in south-eastern Turkey, 40km north of Kahta near Adiyaman, standing at a height of 2206m. It is most notable for the gigantic statues located at the 1st century BC on its summit – a sanctuary built by King Antiochus I of Commagene – with the engineering of the construction continuing to amaze visitors when seen for the first time. The colossal statues of Apollo, Zeus, Hercules, Tyche and Antiochus rest on terraces that flank the artificial tumulus and a ceremonial road of approximately 180m connects the eastern and western terraces, lined on both sides with incomplete statues and stele. Sunrise makes a deep impression with visitors at this particular spot on Mount Nemrut, with its magnificent scenery set against the background of the landscape of nearby hills and mountains.

## » Aphrodisias



The site, located in southwestern Turkey, consists of two components: the archaeological site of Aphrodisias and the marble quarries in the northeast of the city. The temple of Aphrodite dates from the 3rd century BC and the city was built in the 2nd century BC. The wealth of Aphrodisias came from the marble quarries and the

art produced by its sculptors. Arranged around several large civic structures, the city streets include temples, a theatre, an agora, and two bath complexes.

## » Selimiye Mosque and Its Complex



The Selimiye Mosque and its Külliye form a complex including a madrasah or Islamic religious academy, dar-ül hadis (hadith school), timekeeper's room and an arasta (avenue of shops). Constructed by the celebrated architect Sinan between 1569 and 1575, the Selimiye Mosque and its complex are located in Edirne, the capital of Ottoman Empire before Istanbul. A masterpiece of Ottoman art and in the history of world architecture, the Selimiye Mosque is visible from all parts of the city with its monumental dome and four slender minarets. Besides its unique architectural characteristics, the mosque evokes admiration with its exquisite details in its carved-stone work and marble, glazed tiles, wood carving and mother-of-pearl inlays.

### » Divriği Ulu Mosque and Hospital, Sivas

The Divriği Ulu Mosque and its adjoining hospital was constructed by Emir Ahmet Shah in 1228. The mosque has a single prayer room and is crowned by two cupolas. Some of the unique features of this masterpiece of Islamic architecture include the highly sophisticated technique of vault construction and a creative, exuberant type of decorative sculpture. This is particularly evident on the three doorways in contrast to the unadorned walls of the interior.



### » Xanthos-Letoon



The ancient Lycian capital of Xanthos, today in the Turkish village Kınık, lies 18 km north of Patara. The theatre, Tomb of the Harpies, Nereid Monument, agora, and Inscribed Pillar, among a mixture of ruins from Lycian, Roman and Byzantine times, create a special atmosphere at this site. The archaeological site of Letoon is located between the towns of Kaş and Fethiye in Antalya, approximately 4km south of Xanthos along the river. These sites illustrate the blending of Lycian traditions and ancient Greek influence, especially in their funerary art. Archaeological experts and linguists agree that the epigraphic inscriptions are crucial for our understanding of the history of the Lycian people and their Indo-European language.

### » Hierapolis-Pamukkale



Pamukkale, meaning “cotton castle”, is a natural attraction in south-western Turkey’s Denizli province. Unique in the world, Pamukkale resembles a frozen waterfall, with white layers of limestone and travertine cascading down a mountain slope approximately 2700m in length and 160m in height. Thermal spring waters, laden with calcareous salts running off the plateau’s edge, have created a fantastic formation of stalactites, cataracts and basins. At the end of the 2nd century BC, the dynasty of Attalid, the king of Pergamon, established the thermal spa of Hierapolis close by. Situated on a plateau, we find both the thermal centre and the ruins of the ancient city of Hierapolis. The ruins of the baths, temples and other monuments can be observed at the site.

### » Neolithic Site of Çatalhöyük



Çatalhöyük is renowned as one of the earliest settlements of the Neolithic era, shedding light on the dawn of human settlement with unique examples of the earliest domestic architecture and landscape painting as well as sacred objects of the mother-goddess cult.

The site has extraordinary arts and crafts, with the earliest finds dating from 7400BC, and it has been an important key to unlocking the mysteries of the beginnings of agriculture and civilisation. The social organization of the Neolithic site of Çatalhöyük and its urban plan are believed to represent the ideals of equality.

The tumulus shows that the history of mining in Anatolia dates back to the Neolithic era and provides ample evidence that people were involved in agriculture as well as hunting and gathering at that time. Çatalhöyük is also the first site in the world where a city plan is depicted in wall paintings. Baked-clay seals from the site show that the concept of property ownership developed in that era.

### » Pergamon and Its Multi-Layered Cultural Landscape



The ancient city of Pergamon near İzmir, which was inscribed on the UNESCO World Heritage List in 2014, is a settlement that was rebuilt constantly and persisted in the stage of history due to its strategic location, though it has been exposed to many occupations and destructions throughout its history. Having been conquered by Alexander the Great after Persian rule, Pergamon’s golden era was during the 2nd century BC when it became the capital of the Kingdom of Pergamon. Pergamon was a centre of health, culture and arts for many years with the world’s largest library and spectacular sculptures hewn by accomplished artists. Pergamon maintained its importance during the time of the Romans when construction works continued. A trip to Pergamon, described as “the most famous and magnificent city of Asia Minor” by Plinius Secundus, the 1st century BC author and philosopher, will allow you to discover the traces of this famous city of antiquity.

## » Bursa and Cumalıkızık: The Birth of the Ottoman Empire



Bursa, one of the early capitals of the Ottoman Empire, reflects the early period of Ottoman culture. Cumalıkızık is a village from that period, a place where time seems to have stopped. The village is notable both for its houses, which are excellent examples of the civil architecture of the Ottoman period, and also for its friendly inhabitants that revel in the traditional setting. It is a 'living Ottoman village' with an unspoiled historical ambiance, everyday living, cultural values and natural surroundings where you are sure to step into a time capsule of wooden houses, narrow streets and monumental trees.

## » Archaeological Site of Ani



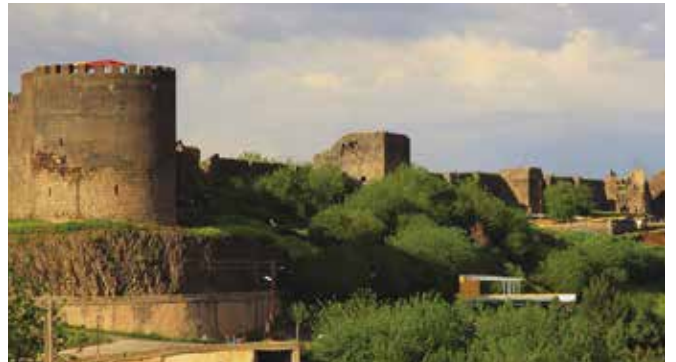
Lying on a secluded plateau in the Turkish Province of Kars, Ani is home to military, religious as well as residential buildings and fortifications which trail back hundreds of years. These structures reflect the characteristics of the medieval urbanism that was formed within centuries by Christians and Muslims. It grew into a magnificent capital of the Bagradit Armenian Kingdom in the 10th and 11th centuries with a population over one hundred thousand and gained economic power by controlling one branch of the Silk Road. Even after coming under the sovereignty of Byzantines, Seljuks, and Georgians, it kept playing a vital role as a significant crossroads for merchants. However, the city started to go into decline after the Mongol invasion and a destructive earthquake that occurred in 1319. Through the technically and artistically advanced structures of the region built between the 7th and 13th centuries, this archaeological site provides the modern-day archaeologists with valuable information that unveil the evolution of medieval architecture.

## » Ephesus

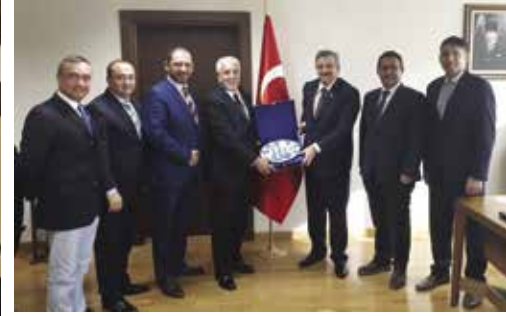


As one of the most important centres of the ancient era, Ephesus has been inhabited approximately for 9000 years throughout the Hellenistic Era, Roman Period, Byzantine Era, the Period of Principalities and the Ottoman Era and has always been a very important port city and the centre of culture and commerce. Inscribed on the UNESCO World Heritage List in 2015, the site comprises Çukuriçi Mound, Ayasuluk Hill (Selçuk Fortress, the Basilica of St. John, İsa Bey Bath, İsa Bey Mosque, Temple of Artemis), the ancient city of Ephesus and the House of the Virgin Mary.

## » Walls and Hevsel Gardens Cultural Landscape



Located on an escarpment of the Upper Dicle (Tigris) River Basin, the fortified city of Diyarbakır and the landscape around bearing the traces of several civilisations throughout the history has been inscribed on the UNESCO World Heritage List in 2015. The site encompasses the Amida Mound, known as İçkale (inner castle), the 6 km-long city walls of Diyarbakır with their numerous towers, gates, buttresses and 63 inscriptions from different periods, as well as Hevsel Gardens, a green link between the city and the Tigris that supplied the city with food and water.

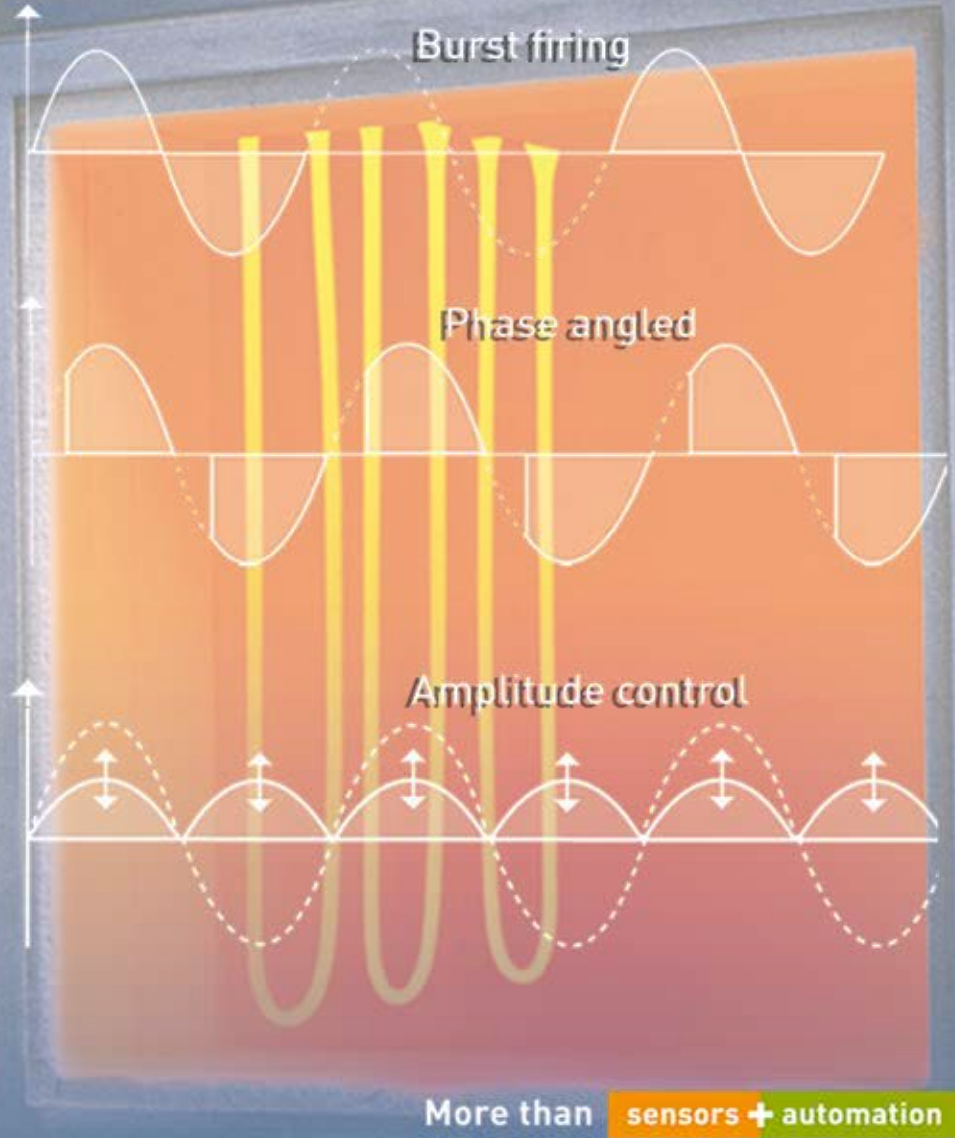




JUMO TYA-203  
3 fazlı tristör



JUMO IPC 300  
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