

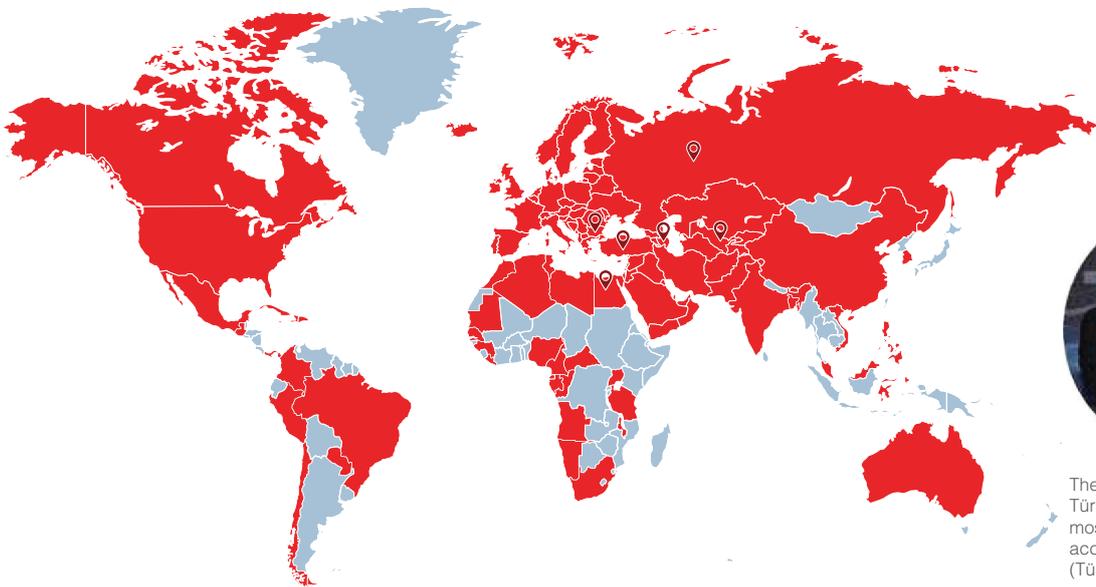


EKIN ENDUSTRIYEL

**General
Product Catalogue**



Your Satisfaction Is Our Priority;
Globalization Is Our Goal!



The second-rated company in Türkiye has exported to the most different countries in 2021, according to ISIB (Türkiye HVAC-R).



The first condition of innovation is to question. Sustainable innovation is to never stop questioning.

For us, the journey of innovation started with a question: "Why not produce value-added technology in Türkiye?". The first turning point in this long journey was the birth of the MIT (Made In Türkiye) brand. The founding vision of MIT, which enabled us to become Türkiye's first domestic manufacturer in the field of "Plate Heat Exchanger", was not to be a domestic "alternative", but to create a quality brand that could compete in the global market.

By working for this goal, we have been entitled to receive many international quality certificates such as ISO, TSE, CE, GOST... for our products and processes over many years. For us, questioning the current situation was a natural result of our desire to exceed ourselves.

New Generation Engineering

With our engineering approach that focuses on the process, not the problem, we do not only specialise in one product, but also consider the entire ecosystem of that product. Therefore, we provide an end-to-end application by producing all other components that will form a system as well as the plate heat exchanger. For this, we focus on the continuous development of the necessary engineer staff. With our business development, pre-sales, sales and after-sales services provided by our expert engineers, we produce not only products but also "solutions".

At the point we have reached; we offer complementary services with our internationally approved plate heat exchangers, components such as accumulation tanks, boilers, industrial pumps and installation materials that turn these heat exchangers into a system. With our team of more than 100 expert engineers, we continue to develop as a solution partner for projects requiring high technology in more than 60 countries.



HEAT TRANSFER PRODUCTS

- Gasketed Plate Heat Exchangers
- Brazed Heat Exchangers
- Shell & Tube Heat Exchangers
- Evaporators and Condensers
- DC Fan Driven Oil Coolers
- Heat Coils
- Serpentine / Radiators / Economizers

PRESSURE VESSELS

- Water Heater Tanks
- Water Storage Tanks
- Buffer Tanks
- Expansion Tanks / Automatic Pump Controlled Expansion System
- Stainless Steel Tanks
- Balance Tanks / Dirt Separators / Air Separators / Air Tubes
- Steam Separators
- Pressured Air Tanks
- Neutralization Units

INDUSTRIAL AND FOOD GRADE SYSTEMS

- Heat Stations
- Industrial Process Systems
- Dosing Systems
- Substations
- Thermoregulators
- Pasteurizers
- CIP and Hygienic Process Systems
- Hygienic Storage and Process Tanks / Reactors
- Homogenizers
- Turn-key Projects

FLUID TRANSFER PRODUCTS

- Lobe Pumps
- Hygienic Centrifugal Pumps
- Twin Screw Pumps
- Gear Pumps
- Magnetic Drive Pumps / Thermoplastic Pumps
- Dosing Pumps
- Air Operated Double Diaphragm Pumps (AODD)
- Drum Pumps
- Monopumps
- Peristaltic (Hose) Pumps
- Centrifugal Blowers
- Roots Blowers
- Turbo Blowers

FLOW CONTROL UNITS

- Butterfly Valves
- Ball Valves
- Globe Valves
- Knife Gate Valves
- Actuators
- Check Valves and Strainers
- Pneumatic Piston Valves

ENERGY SYSTEMS

- Domestic and Industrial Boilers
- Steam Generators
- Solar Collectors
- Chillers
- Cooling Towers

PRODUCT RANGE



CONTENTS

○ Heat Transfer Products



○ Pressure Vessels



○ Industrial and Food Grade Systems



○ Fluid Transfer Products



○ Flow Control Units



○ Energy Systems



17

21

25

29

33

35



From our product quality to value-added services; we owe our sustainable success to our established corporate culture in every field from employee to customer satisfactions.

Our comprehensive corporate policies pave the way for our corporate culture. Thanks to these policies, we design all our activities to offer the same quality regardless of individuals and market dynamics.

CORPORATE POLICIES



The secret of being the leading company in the heating and cooling sector lies in the people. We know in order to make a difference; it is necessary to have the staff to implement these policies flawlessly as well as the corporate policies created by experts in their fields with nearly 20 years of experience. We demonstrate our customer-oriented approach by reflecting the needs and expectations of the industry to our MIT branded products in the best possible way. We are raising the standards of the heating-cooling and air conditioning industry by combining our modern production and marketing understanding with our innovative approach with the valuable experience of our expert engineers.



OUR VISION

To make the MIT brand a reputable and leading global brand in all sectors in which Ekin Endüstriyel operates.

OUR MISSION

To provide sustainable benefit to all our stakeholders by using our resources effectively and efficiently within the framework of human and moral values.



AN ENGINEERING APPROACH FROM SALES TO MAINTENANCE

We offer value added pre and after sale services with our customer satisfaction-oriented approach and deep expertise we are more than happy to share. Thanks to our expert engineers that provide proactive solutions, we focus on making a difference throughout the process, from presales to maintenance. With our “quality product, quality service, quality solution” approach, we are more than a manufacturer and supplier, we are a highly motivated solution partner for all kinds of heating and cooling projects.



OUR QUALITY POLICY

It is our pleasure to share our knowledge; through value-added Before & After Sales Services. By generating proactive solutions, we are in close contact with our customer; from the pre-sale, up to the final production stages. By viewpoints of “High-Quality Products, Services & Solutions”, we manage our operations based on Sustainability and efficiency. We recognize ourselves as a Solution Partner in all Local & International projects & proceed through this motivation.



CUSTOMER SATISFACTION POLICY

We aim for sustainable quality with a proactive approach that anticipates rather than meets the need. We bring together a corporate management approach based on strategy, not personal considerations, with effective decision-making mechanisms, including our employees and suppliers. We run an operation based on efficiency and sustainability.





ETHICAL VALUES

We conduct all our activities in accordance with the laws and then with ethical values. We believe in growing together and we look for mutual benefit in all our business relationships.

PRIVACY POLICY

All your personal information shared with our company is guaranteed by our ethical values and our processes in compliance with the Law No. 6698 on Protection of Personal Data.

OCCUPATIONAL HEALTH AND SAFETY (OHS) POLICY

We prioritize a single rule in all our operations: "It is the right of every human being to work in a healthy and safe environment." We minimize risks with preventive OHS practices and analyzes. We increase the awareness of our own personnel, our suppliers and subcontractors with trainings and guidance. We work with the understanding of "zero concessions" in compliance with Occupational Health and Safety Regulations and related laws.

ENVIRONMENTAL POLICY

We care about the prevention of waste in natural resource consumption. We keep the environmental pollutants and our wastes under constant control. We constantly inform our employees in this topic. We never compromise on compliance with the relevant legal legislation, and we wholeheartedly support all kinds of work that will benefit environmentally friendly technologies and social awareness.

INFORMATION SECURITY POLICY

All our information technology operations are protected by our information security processes, which are managed in accordance with ISO 27001 Information Security Management System requirements.



SPONSORSHIP AND SOCIAL RESPONSIBILITY

As Ekin Endüstriyel, we have been supporting projects that will bring social benefit from day one with our desire to develop and grow together. We strive to create and promote a sensitivity towards the future of our country and our world.

With our understanding of "Sponsorship and Social Responsibility", we regularly support various social sharing projects on education, health, and environment with great interest. We work diligently to fulfill our responsibilities towards our employees and heir families, customers, dealers, universities, non-governmental organizations, and other stakeholders.

In addition to the projects, we have implemented in a corporate sense, we support the projects created by students with all our strength in order to contribute to the raising of environmentally sensitive generations and to enlighten future generations. In addition, we prioritize the demands and needs of the projects in our region.

In the field of education, we are proud to provide support for many projects carried out domestically and nationwide. As the leading institution of the industry, we carry out projects focused on education and employment with vocational high schools and universities. In addition, innovation, we support the renewable energy, research, and R&D projects of student communities in Türkiye's elite universities.

We are also working with non-governmental organizations in the field of health. We regularly organize seminars to inform our employees in topics like blood donation, harms of smoking and similar health-related issues. We wholeheartedly support projects carried out in the field of health at every opportunity.

While contributing to the national economy and employment with our investments, we strive to achieve a vision that tries to be a pioneer and an example to the society with our sponsorship and social responsibility projects and the voluntary support of our employees. We prioritize projects that generate permanent benefits to create sustainable effects with our social responsibility efforts.

WE USE THE RESOURCES WE HAVE MORE EFFICIENTLY AND TAKE CARE TO PROVIDE THE MOST EFFECTIVE RECYCLING WITHIN OUR COMPANY. **WE ADOPT TO ACT WITH CARE AND SEE IT AS A REFLECTION OF OUR RESPECT FOR THE ENVIRONMENT, HUMANITY, FUTURE GENERATIONS, AND OURSELVES.**



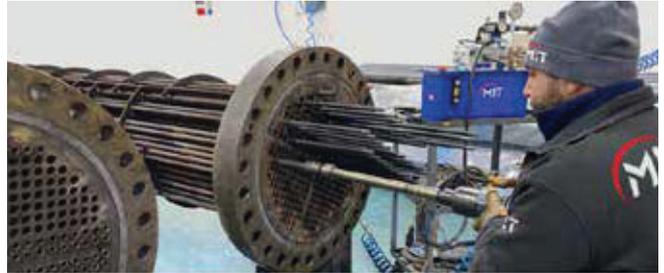


OUR FACILITIES

 DUDULLU



HIGH
QUALITY, FAST
SHIPMENT &
AFTER SALES
SUPPORT!





We continue to produce solutions with designs suitable for the process and specific to your demand.

OUR FACILITIES



KIRKLARELİ



QUALITY
PRODUCTION
WITH INNOVATIVE
MANUFACTURING
APPROACH



OUR FACILITIES



AKSARAY





OUR FACILITIES

 MALTEPE





OUR PRODUCTIONS

FROM THE FIELD



OUR HISTORY

- 2005** As Ekin Endüstriyel, we have established our foot print as the very "First Domestic Plate Heat Exchanger" producer, applying "New Generation Engineering" approach.
- 2006** We succeeded as a locally technology possessor & pioneer of domestically producing company of heat exchanger; entiteled with MIT (Made in Türkiye) brand.
- 2007** We added the production of "Pressure Vessels" alongside our Plate Heat Exchanger, and continously growing.
- 2008** We added "Tubular Heat Exchangers" to our Heat Transfer Portfolio...
- 2009** In order to determine the most suitable heat exchangers for our customers' needs, our expert engineers started to offer the best solutions via using the heat exchanger selection software.
- 2010** Expansion Tank took its place in our product range, which provides pressure control and water support in plumbing systems.
- 2011** "MIT Brazed Plate Heat Exchanger" designed & produced for cooling-heating & ventilation processes.
- 2012** MIT brand has made its presence felt in 60 countries.
- 2013** Ekin moved the Headquarter to a new location in Des Industrial Zone.
- 2014** Foundation of our Kırklareli factory launched.
- 2015** "Fluid & Air Transfer" products added to Ekin product portfolio; & that enabled us to be responsive to our customers, in each & every field.
- 2016** Our 2500 m² factory in Kırklareli started commissioning.
- 2017** We started providing services in various engineering fields to meet our customers' expectations with "Package System" solutions.
- 2018** "MIT Cooling Towers", "Chillers" and "Steam Generators" have been included in our product range. "MIT point" Regional directorates started operations in four different countries.
- 2019** We never stopped moving forward and started manufacturing "MIT Boilers".
- 2020** We added Truevalve brand to our group of products.
- 2021** We established our Maltepe facility as a new site, added to our production potentials.
- 2022** We have been granted "2nd-Exporting Company of the Year 2021" award, by İSİB in Air Conditioning Sector.

Today;

Alongside our various production facilities (Dudullu Organized Industrial Zone, Aksaray, Kırklareli, Maltepe), we have been trying to provide our business partners with best services, end-to-end equipment supply and unlimited supports. With our innovative manufacturing approach and team-work spirit...

Gasketed Plate Heat Exchangers

MIT Plate heat exchangers, entirely produced in Turkey, as the most comprehensively and effectively heat transfer devices for various applications. The frames, plates and fluid inlet-outlet connections' materials are flexibility chosen, to render efficiently heat transfer of diverse fluids.

Aiming to expand the product range, Ekin Endüstriyel concretely demonstrates its determination via its Sustainably New Generation Engineering approach.



Brazed Heat Exchangers

MIT brazed heat exchangers are used in refrigeration units as evaporators, condensers, heating applications and instantaneous heaters and in their specific applications. MIT offers the most suitable solutions with a wide range of heat exchangers produced with high quality components.

Capacity and connections for specific applications can be produced as desired. MIT brazed heat exchangers save space thanks to their compact design.



Stainless Steel Heat Exchangers

The body & full components of plate heat exchangers, which used in food industries to be completely out of stainless steel, due to hygiene reasons; since the body and all surfaces are in contact with food stuffs. Thanks to the plate heat exchangers, which applied in pasteurization system, designed and manufactured to be suitable for food, through which the milk can flow with optimum performance for long hours without cleaning, being sure of homogeneous distribution on plates surface.

Our plates which specifically produced for food industry, are much more effectively transfer the heat, and CIP cleaning applied. Our heat exchangers produced for food can be easily replaced via help of special sealing fixture, that provide extraordinary convenience for the user.

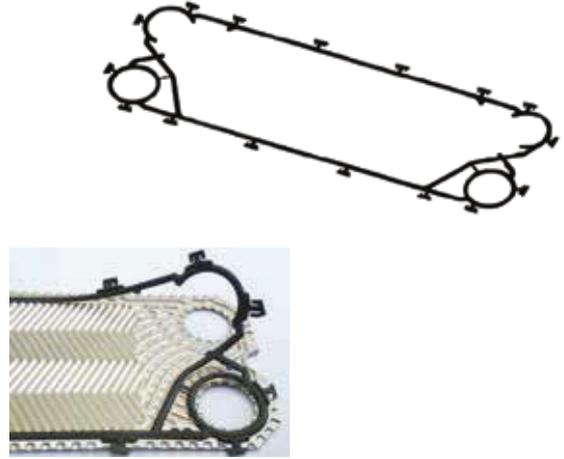
Our user-friendly gaskets are of this advantage to allow you put your heat exchanger back into operation, in a short period of time. In addition, the gaskets have FDA (American Food and Drug Administration) certification.



Plate Heat Exchanger Gaskets

Ekin Endüstriyel Inc. has been of the most comprehensive capability in production of plate heat exchangers Plates & Gaskets, compatible with all international standards, and highly operating brands & models. Ekin Endüstriyel attains distinctions with high efficiency at low operating costs, maximum flexibility and versatile application possibilities, as an ideal and reliable supplier of all spare parts, regardless of the brand or model of the product you use.

Additionally, our plate heat exchangers come up with friendly assembly & maintenance including high-tech sealing technology, ensuring low service and maintenance costs.



Shell & Tube Heat Exchangers

Tubular heat exchangers are one of the most applicable heat exchanger types, designed to meet special demands in heat transfer applications, thanks to their high efficiency, durability and design flexibility. They are preferably applied in critically enquired temperature and pressure, through which heat transfer takes place alongside the pipes inside the body.

Tubular heat exchangers are advantageously important equipments for processes, respecting their sustainability, energy & cost efficiency.



Evaporators and Condensers

Ekin Endüstriyel BE type evaporators have basic capacity and geometry options up to 1500 kW. They can be manufactured with 4 cooling circuits.

Appropriate refrigerants are all HFC and HCFCs. Special reverse flow and high heat transfer efficient evaporators are manufactured for R134A gas.



DC Fan Driven Oil Coolers

In industrial applications, during the conversion of mechanical energy into pressure energy and pressure energy into work, some of the energy is released as heat energy and this released energy causes an increase in the hydraulic oil temperature.

Keeping the temperature of the oil at a certain level in order not to lose its lubricating property is important, therefore cooling the heated oils is necessary for the systems and other equipment to operate smoothly.



Heat Coils

Respecting our wide range of molds; particularly ordered batteries could be designed and manufactured, in accordance with customer drawings, samples or operating conditions.

Capacity and sizing calculated by our concerned software. After fin alignment process, the batteries are mechanically inflated in automatic machines & adjusted; to ensure full contact and fulfill the maximum level of heat transfer.

Respectively, the finished products are going through test in a pool filled with 40-45 °C water and at 20 bar pressure. After the test, the outer parts washed and dried.



Serpentines

It is manufactured by wrapping/arranging fins around the pipes to increase the heat transfer surface.

Our manufacturing capability enables us to determine the pipe fin winding and laying processes, based on our customers' desired measurements and designs, to carry out serpentine fabricating.

They are used singly or in-group, where heat needs to be exchanged. Serpentines could be used in each & every sector; especially in textile industry, air heating drying machines and stenters, and ambient heating in air handling units.



Radiators

The radiators formed by the grouping of the serpentines vary according to their fluid types and usage areas. Fluid types; hot water, superheated water, seawater, steam, superheated oil and nitrogen etc. radiators used in the gas.

It is possible to classify according to the serpentine type. It is listed as baren tube, serpentine with straight pipe, serpentine with oval pipe, flat double pipe with winged, grooved and crooked pipe radiators.



Economizers

Today's competitive conditions lead firms to maintain the highest level of energy with high cost. In particular, the use of waste hot water energy in the textile sector with the use of waste flue gas generated in steam, water and hot oil boilers contributes to the production costs and the country's economy.

The systems made by taking into account the process values pay themselves in a short time. Economizers take names according to processes. Waste flue gas is used to obtain hot water and hot air from the gases thrown into the atmosphere as in the ram machines used in the textile industry.



Water Heater Tanks

Boilers heat and store water, by the serpentine inside them. MIT fast boiler series supply economically and hygienically domestic water, via single or double serpentine heating sources (hot water boiler, steam boiler, solar energy panels, heat pump, geothermal energy, etc.). In addition, since the serpentine can reach to the lowest possible points of the tank, the legionnaires' disease is prevented. MIT series electric hot water suppliers (electrical boilers) provide hygienically comfortable hot water, where there is difficulty in supplying the heating fluid, or in places using electric power is preferable to fetch hot water.



Water Storage Tanks

Accumulation tanks store and supply immediately & hygienically conditioned water, which use in both heating and cooling systems. It is generally assembled behind heat exchangers (plate/tube heat exchanger, boiler, chiller, fancoil, etc.). Insulation materials with minimum heat loss applied in all accumulation tank models. Accumulation tanks, alongside heat exchangers, as a package system; are effectively and efficiently economical solutions.



Buffer Tanks

The buffer tank applied in Residential & Commercial complexes, for all cooling systems need to be operated by heat separation, & managed the chilled water applications, in a way to store the extra water volume. One of the main purpose of such products' application is to provide thermal balance by preventing heat loss in our energy-generating systems. Another function of the buffer tank is to provide a suitable working environment in the system, accordingly to replenish the consuming water volume, which is required for the chiller appropriate operation.



Expansion Tanks

Expansion Tanks provides pressure control and hold water up in plumbing systems. The average consuming hot water temperature to be at 80°C in residential & Commercial complexes. The feeding water temperature is approximately 10°C. In this case, the water temperature constantly changes between 10 to 80°C. The specific volume of water also changes based on this fluctuating temperature. Expansion tanks are of this advantage to regulate the water volume, which expands as the system heated up, and in general protect the whole system.



Automatic Pump Controlled Expansion Systems

Pumped expansion systems absorb the fluid volume change that may occur in heating and cooling systems and keep the installation pressure constant. It eliminates the pressure increases that may occur by accumulating the amount of water that expands during heating in a controlled manner in the tank. During the cooling of the water, it ensures that the missing amount of the shrinking installation water is sent back to the installation with the help of the pump system and prevents the installation pressure from decreasing.



Stainless Steel Tanks

MIT, one of the most known and preferred brands of Türkiye, has been continuing to create new ideas and developments to improve plate heat exchanger sector.

One of the most concrete indications of Ekin Endüstriyel determination, is aiming to expand its MIT stainless tank product range with specific qualifications, entirely in Türkiye.



Balance Tanks

Balance vessel ensures the balance of thermal values, avoiding stresses in the system, and respectively extends the installation's shelf-life. The thermal balancing in the systems not only saves energy, but also ensures that; the equipment work for a longer time, without any problems. Advantages of threaded and flange connections are of helpful use to the balance vessel, which facilitates the easy maintenance of the balance system, in our installation.



Combined Balance Tank

Package balance container acts as both air separator and sediment holder in balance bowl. This product stabilizes sudden thermal stresses in the system, via help of its balance tank function, and also provides an efficient operation by separating the circulating air, in the system. It provides a healthier heat transfer environment by separating the residue and unwanted particles circulating in the system through the sediment holder component.

Another advantage of this product is taking up less space in our installation. It is a convenient solution for small installation spaces.



Dirt Separators

Sediment holders prevent mixing extra unwanted substances & particles, with our circulating water; pushing them to be stored into drain tanks, via help of separator filter. Thus, the sediment may damage valves, pumps or other equipment in the system, the particles to be separated from the installation, and easily dispensed via discharge valve. Sediment holders are generally used in installations as a complete set, alongside Balance bowl and air separator.



Combined Dirt and Air Separators

It prevents the unknown matter in the water (sludge, sediment and dirt caused by the water) to enter into the drainage and into the drain.

At the same time, it ensures the evacuation of accumulated air bubbles, in separator system.



Air Separators

The air and water, which are dissolved in the water, start to circulate with the water in the system by increasing the temperature. This air can cause corrosion in materials such as pipes, fittings, boilers and combi boilers. Sound causes circulatory disorders and cavitation in pumps.

Due to the air of the radiators, it can cause non-heating problems. Therefore, these problems are prevented by using air separators in the system.



Air Tubes

The air tank ensures that the air formed in the pipes and radiators in the central heating systems is easily collected and discharged from the top branch. Allows air in the system to be evacuated. Continuously evacuates air while the system is running. A relief valve or an air breather can be installed.



Steam Separators

Steam separators are fixtures that provide clean and dry steam to the system by separating the water droplets and particles carried in the steam with the vortex effect.

Our two types of high efficiency separators designed as horizontal and vertical; they are manufactured from carbon steel or stainless material as flanged, threaded or weld-neck.



Pressured Air Tanks

The air tank is one of the main products that balances the pressure fluctuations at the compressor outlet. Provides air pressure at constant pressure. Stores the amount of air required to meet sudden air demands exceeding the compressor capacity.

The capacity of the air tank is determined depending on the compressor capacity and the shape of the air demand. Air tanks should be installed where the ambient temperature is low. The place where the tank is located in a moist and corrosionable place should be produced by increasing the strength by removing the double layer primer. Air tanks are manufactured in such a way that they can be fitted with the necessary accessories.



Neutralization Units

Due to condensation occurring during combustion and condensation of flue gases, pH values are reduced and condensate acid is formed.

The condensate acid causes severe ecological problems and causes corrosive effects on the economizer and the boiler. The neutralization device prevents this problem by neutralizing the pH value.



Heat Stations

Energy efficiency is a phrase we hear very often. Energy efficiency is the reduction of energy consumption by providing the same production and service quality without reducing the amount of energy.

The ever-increasing energy costs in the world show that the issue of energy efficiency is very important. With heat stations, there is both energy recovery and more efficient use. With heat transfer, the water at the desired temperature can be circulated in the system or sent to the system.



Industrial Process Systems

We offer engineering solutions supported by our special software in all kinds of plate, tube and shell heat exchangers needed in industrial facilities (automotive, dairy, ceramics, chemistry, etc.).

We can produce special solutions according to internal and external fluids such as water, oil, steam used in your process applications. Our products are produced with copper, stainless steel, titanium and aluminum pipe materials which are chosen used depending on the project.



Dosing Systems

Dosing, in general terms, is the process of adding additives to the main raw material. This setting can be measured with very sensitive devices and is important in terms of mixing quality.

We can examine food dosing systems under 2 general headings.

- Liquid Dosing Units
- Solid Dosing Units

Ekin Endüstriyel supplying dosing systems, with +/- 0.1 to 1 gram accuracy, would provide you the ideal conditions, out of what you are expecting from each & every process...



Substations

MIT hot water supply flat access stations combine the economy provided by central heating systems with the advantage of independently determining the comfort conditions of individual systems. Thus, this system, which significantly reduces energy expenditure, helps to maintain a fair balance in central system fuel expenditures.



Thermoregulators

Thermoregulators can also be called heat regulators in short. The products developed by MIT engineers are mainly designed to achieve precision in mold heating and cooling processes, to obtain high quality products, and to perform gradual heating and cooling.



Pasteurizers

Pasteurizer systems are used in the food industry for the purpose of purifying the prepared beverages from bacteria and microorganisms. It works with the principle of cooling the product to high temperature in a very short time and cooling it suddenly. The shelf life of the pasteurized product lasts up to 1 year. As Ekin, we produce low energy and high efficiency pasteurisation systems which are suitable for your production capacity.



CIP and Hygienic Process Systems

CIP systems are units that provide automatic cleaning while aiming for the best cleaning in production lines with water and various cleaning solutions without disassembling machinery and equipment, as it done when manual cleaning.

In other words, they are easy-to-use automatic systems that allow closed-circuit systems to be cleaned easily with a high level of hygiene.



Hygienic Storage and Process Tanks / Reactors

The stainless steel tank, which is used with gusto in the production and preservation phase in many sectors. It is used in production variety of products such as honey, jam, milk, chocolate, etc., in the necessary storage stages during the resting period for them to gain their distinguishing taste and preserved until they reach the consumer.

Reactor tanks could be applied in pharmaceutical, chemical and food industries, through which the heat easily spread, and operate under high pressure. There are of heating, cooling and jacketed alternatives. It yields efficiency by providing energy savings in large-scale areas. It is endowed with fast adjustable inverter, and panel. Thanks to its ex-proof material, it provides technological superiority against flammable and combustible fluids. The applied mechanical seals in these products facilitate operation, under vacuum condition.



Homogenizers

The process of increasing the stability of the solid, semi-solid or liquid parts in the liquid by separating them into much smaller parts is called homogenization. The machine that performs this process is called homogenizer. Homogenization is applied in many fields such as food-beverage, chemistry-petrochemistry, pharmacy, biotechnology and cosmetics. It is generally more widely used in the juice and dairy industry.



Turn-key Projects

We can manage all process processes from A to Z by designing special facilities according to the wishes, needs and conditions of our customers.

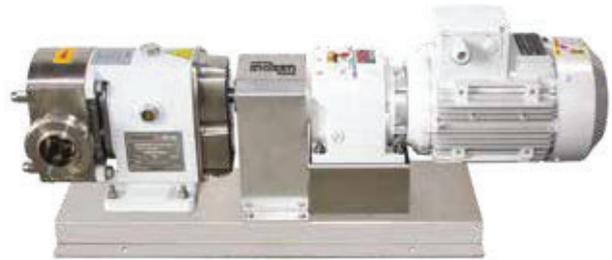
Ekin Endüstriyel is an international expert on all mechanical equipment and control systems of plants. We build facilities that are specially designed according to the wishes, needs and conditions of the customers. We cooperate with different equipment manufacturers in the projects we undertake and work together to provide all kinds of services in the complete establishment of the facilities.





Lobe Pumps

Lobe pumps are of no any valve, and conveniently displaced. They are applied for hygienic purposes, mainly in food industries. Lobe pumps are usually made out of 316 stainless steel material, and designed in a way to ensure the smooth transfer of low, medium and high-viscosity fluids, considering the displacement advantage. They are of compact structure & ease of maintenance; including hygienic qualifications with FDA approval. Lobe pumps are preferred in various industries such as food, beverage, paper, cosmetics and pharmaceutical, upon the advantages and designs. Three different rotor, flushed and mechanical seal options, including heating jacket offered, depending on your fluid and process.



Hygienic Centrifugal Pumps

Inoxen hygienic centrifugal pumps have all the necessary properties for the transfer of all kinds of fluids like milk, fruit juices, alcoholic and non-alcoholic beverages, beer, pharmaceutical and chemical industries. It is made of 304 or 316 L quality stainless steel. Due to its high wall thickness, it is long-lived against corrosion abrasions. Thanks to the special design of the cover and the fan, friction is reduced and unhygienic blind spots are eliminated. A convenience provided by its special structure can reach the maximum level of fluid's speed in the pump. In addition, it enables control and cleaning applications in a short time with its easy removal feature.



Twin Screw Pumps

Twin-screw pumps are capable of powerful self-absorption. It can easily transfer solid particulate liquids, gas-liquid mixtures, high viscosity and low viscosity fluids. The pump not only carries fluids but is also used for CIP and SIP systems.

This reduces the cost of investment by eliminating the need for extra pipelines, valves and CIP pumps. It has extra features that other positive displacement pumps do not have, such as constant flow, high pressure, wide speed range.



Gear Pumps

Gearymax gear pumps are specially designed to transfer fluids with both high viscosity and low viscosity. Gearymax gear pumps provides advantage for hygienic applications with its stainless body option.

Gearymax gear pumps can operate at high temperatures and maximum efficiency depending on fluid viscosity. They have been designed to work with high efficiency even in irregular feeding with the R&D studies carried out, and has become indispensable for the industrial sector.




Magnetic Drive Pumps

Thermoplastic acid pumps applied to transfer corrosive and hazardous liquids. These pumps are of diverse designs, preferably used in many industrial sectors, such as; energy, chemical, food & pharma.

These products designed to minimize the maintenance costs, maximize efficiency and reliability. These are produced out of PP, PVDF and SS316 materials, also have ex-proof models against explosion and impact.




Dosing Pumps

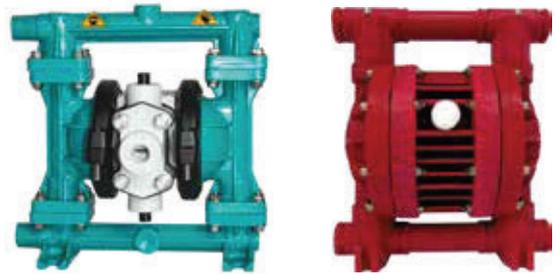
Doris dosing pumps are sensitively transfer devices designed to apply, in which chemicals such as acid, chlorine, liquid fertilizer, etc.; need to use at a certain level. These devices are of flow rates of 0.5 lt/h to 1000 lt/h, with suction ability. These pumps are of solenoid, mechanical diaphragm and piston types, according to preference and purpose of applications. These devices used in many industrial sectors, such as; chemical, food & pharma, and mining, as the best solution for dosing systems.




Air Operated Double Diaphragm Pumps

Air operated diaphragm pumps (pneumatic pumps) are used for many purposes in many areas of the industry.

It is operating as same as suction and force pumps. Air diaphragm pumps are driven by compressed air, not by electric motor. It weks by connecting to the air line of suitable capacity compressor depends on the flow capacity of pump and the pressure required by the operating conditions.



AIRCO

Ruby
STRONG QUALITY INDUSTRIAL PUMP

Drum Pumps

Myra barrel pumps applied to drain and evacuate liquids from closed containers, such as; barrels and IBC's. Myra barrel pumps, which used in many industries, such as; Chemical, Cosmetics, food & pharma, to transfer all types of fluids within 1000 - 100,000 CPS.

Myra barrel pumps are of diverse body materials, such as; PP, PVDF, SS316 and Aluminum; operates by air, electrical and ex-proof motor options. Respecting such advantages, it is of extraordinary adaptation for short-distance fluid transfer, in many industries.



myra

Mono Pumps

Mono pumps are of displacement advantage, and of this capability to easily transfer all types of fluids up to 1,000,000 CPS viscosity. Silent and vibration - free operation, including special rotor and stator design, as well as not disturbing the texture of the fluids, make mono pumps as suitable options in most of the industries. With the developed series and models, they are preferred in many sectors, such as; purification, food & pharma, hygienic & paper industries.



inoxen

Peristaltic (Hose) Pumps

Myra hose pumps offer excellent options for the most challenging applications, with durability up to 10 bar. These pumps significantly reduce your operating costs by saving up to 30% of energy consumption, while supporting your business valuation with lower maintenance costs.

It is also ideal for dosing and transferring all types of acid and corrosive products; and can safely handle the mediums up to 80% high of solids contents.



myra

Centrifugal Blowers

MIT centrifugal blowers offer a maintenance-free option; thanks to their simple and compact design. It comes up with highly efficient fan, electric motor and various mounting options (horizontal and vertical).

It meets highly pressured vacuum requirements by offering double, and single fan options; according to flow and pressure values. Additionally, it is equipped with AC motors, that easily installed. Model options include a wide range from 0.25 to 25 kW, and preferred of diverse applications, from food industry to product transfer, and automatic filling processes.



MIT

Roots Blower

HG series are positive displacement blowers which for used to transmit air and gas. It is used in many sectors of the industry. In pressurization; Air blowing capacity up to 10.000 m³/h and pressure range up to 1 bar.

In vacuum process, it has 10000 m³/h air absorption power & vacuums up to -500 mbar.



AIRCO

Butterfly Valves

Butterfly valves are a versatile valve type used for opening, closing and flow adjustment. Butterfly valve is an economical type of valve that takes up little space in the pipeline, provides perfect sealing in both directions, can be easily and economically adapted to automation, works with low pressure losses



Ball Valves

Ball valves take their name from the perforated and rotating ball inside them. Ball valves are preferred primarily in places that open and close a lot or need to be opened and closed quickly. They are frequently used, & preferred valves; due to their longevity and concise installation mode on the line. Ball valves produced in one, two or three-piece, upon the body structure; also as threaded, flanged or welded connection types.



Globe Valves

Globe valve is the most commonly used valve type in installations all over the world. Like all frequently preferred products, the technology of these valves is developing rapidly. They are durable and long-lasting, suitable for continuous open closing. Glob valves render precise flow control, and are appropriate selections to use at both high pressure and temperature.



Knife Gate Valves

Knife gate valves mainly developed for sludge and abrasive applications. They are frequently used, & especially for fluids which contains corrosive and solid particles. These valves called knife valves, since they interrupt the medium flow with a knife slide perpendicularly to the flow. According to applications, could be produced with manual hand flywheel, gearbox, electric actuator and pneumatic piston. As already noted, this type of valve generally used in industries, where fluids with particulate structures transferred, such as wastewater treatment plants, paper industry, feed and flour factories.



Actuators

The Actuator is an operating mechanism, provides automation of Valve opening-closing process. Power Driven Actuators are basically divided into Electrical, Pneumatic & Hydraulic Types

Actuators categorized in different classes as Protection and Ex Proof, depending on environmental conditions & applications. Pneumatic actuators dichotomized into double and single-acting; and electrical actuators divided according to the used medium.



Check Valves

Check valves are safety fixtures that prevent the fluid from returning back in fluid transfer systems. There are many types of check valves to choose from according to the system requirement and other criteria. The main factors taken into account when choosing a check valve are pressure loss, closing feature and costs.



Strainers

Strainers are plumbing equipment that filters impurities in pipelines. Strainers, which have a very wide usage area, are indispensable for the health and safety of the system. These equipments are used so that many equipment in the system, such as pump, water meter, control valve, can work healthily and for a long time.



Pneumatic Piston Valves

Pneumatic piston valves are valves that allow the piston to cut off or open the flow with linear motion by moving away from the seating surface (seat) with the air power supplied to the actuator.

As long as no air is supplied to the actuator, the pneumatic piston valve remains in the closed position with the force of the spring and ensures that the fluid does not pass.



Domestic and Industrial Boilers

They are steel-bodied hot water boilers with a three-pass combustion system. It is environmentally friendly with its high combustion efficiency and low flue gas emission values.

Thermostatic control panel and burners provide full compatibility. They are long-lasting and trouble-free boilers, providing ease of placement in boiler rooms with their compact design. Boiler radiation and standby losses are minimized due to high density glass wool thermal insulation with aluminum foil.



Steam Generators

Mitrogen steam domes, originally designed as steam accumulation chambers, function by utilizing the water present within the dome in a state of evaporation to meet the immediate steam demand during the time interval before the burner comes into operation when the steam in the dome is utilized.

In smaller-scale applications, it's possible that the burner may remain inactive entirely, as the steam requirements are satisfied through this process of evaporation.



mitrojen

Solar Collectors

Innsun solar collectors; are the hot water sources that have high efficiency and specific surface area. They are used for heating the water as absorbing the energy from sunshine.

Innsun solar collectors, are used for meet the hot water requirements of houses, villas, hotels, buildings, restaurants, hospitals, swimming pools and many industrial areas like factories.



Chillers

MIT-SG-T series R410a gas coolers are designed with a air cooled scroll compressor, internal tank and pump groups.

MIT-SG-T series low energy consumption axial fans charged with environmentally friendly R410a gas, tropical type condensers with large heat transfer area and scroll compressors contribute to a more livable environment. It is used safely in every process designed with a closed circuit where cold water is required.



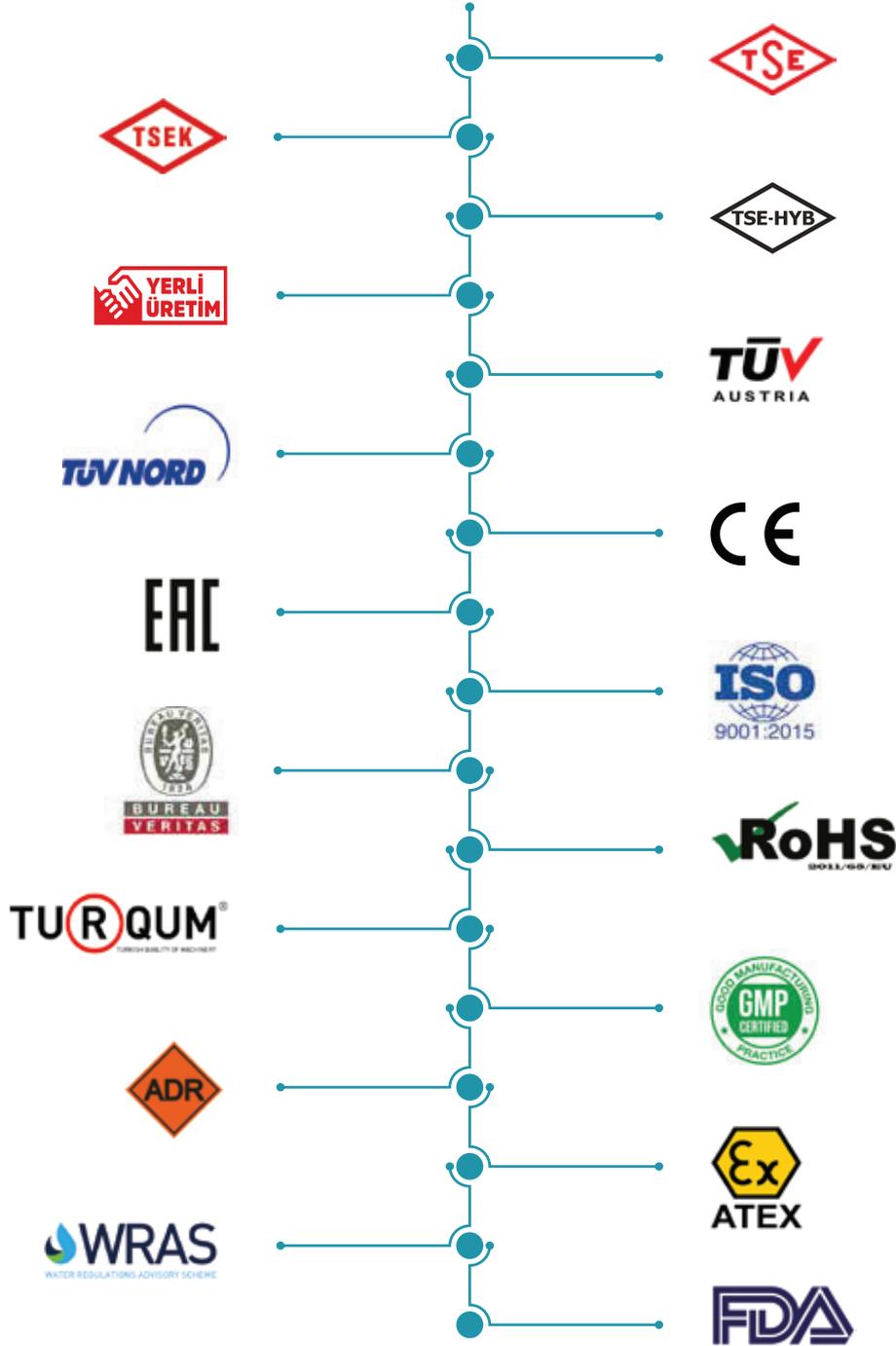
Cooling Towers

Cooling towers are structures designed to provide cooling water in industrial facilities and living spaces of various purposes and sizes.

Water cooling towers are systems that reduce the process water to wet bulb temperature by spraying the hot water from the system on the fill and removing the heat from the environment to be emitted to the atmosphere.



QUALITY MANAGEMENT SYSTEM



Ekin Heating and Cooling Endüstriyel Co. applies engineering approach; to focus on the process, not the problem; respectively, not only specializes in concerned products, but also take the entire aspects of the product, into consideration. Therefore, alongside the plate heat exchanger, Ekin has the capability to produce all other components to form a system. Advanced quality control structure are fully equipped, in order to present the products with a quality that goes beyond the acceptable regulations and standards.

With respect to "ISO 9001: 2015 Quality Management System" certification, which covers all processes from production, domestic / international sales and after-sales services, aiming at continuous improvement, respecting optimum results. With our expert engineers and solution-oriented approaches, the products have been certified with TSE, CE, Rosh and FDA quality certificates.



ECO FRIENDLY HEAT EXCHANGER

MIT CO2

- MIT CO2 heat exchangers are capable of withstanding operating pressures of up to 100 bar, offering energy – efficient cooling solutions.
- Thanks to compact design, it facilitates easy installation and maintenance.



info@ekinendustriyel.com

www.ekinendustriyel.com



 **EKIN ENDUSTRIYEL**
Isıtma - Soğutma San. Tic. A.Ş.



A chain is only as strong as its weakest link.

Running and maintaining a quality production process that meets international standards requires focusing on quality all along the ecosystem. Maintaining this focus requires a unifying vision of constant improvement shared by all stakeholder, and a certain level of expertise for all parties involved. Ekin Academy was established with the principles of continuous development and growing together to share the knowledge and experience that will realize this vision.

We support the development of our employees with training programs that directly contribute to the results in their business processes and make a difference in their personal development. We offer technical trainings on heat transfer, pressure vessels, package systems, food systems and liquid transfer. We help them become individuals who will make a difference with our development programs that covers topics like leadership, strategy, sales and many more. In addition, we provide information regarding installation, operating, maintenance and repairs with our pre and after sales training modules prepared for our business partners and customers.

At Ekin Academy we do not solely focus on the development of our staff, partners and customers. Thanks to our university collaborations, we provide the means for future engineers to put their theoretical knowledge to use with practical applications.



We organize seminars, conferences and trainings for professional chambers, and institutions we collaborate on social responsibility projects. Because we know that only by investing in the society, the industry and the future of the industry, we can become a country known for its high-quality engineering products.

Sales Team

An Engineering Approach from Sales to Maintenance

We offer value added pre and after sale services with our customer satisfaction-oriented approach and deep expertise we are more than happy to share. Thanks to our expert engineers that provide proactive solutions, we focus on making a difference throughout the process, from presales to maintenance.

With our “quality product, quality service, quality solution” approach, we are more than a manufacturer and supplier, we are a highly motivated solution partner for all kinds of heating and cooling projects.



Customer Satisfaction



Our priority is to ensure customer satisfaction and protect the rights of our customers with our pre-sales processes that analyze customer needs well, quality-registered product range, expert staff and meticulous working methods.

Ethical Values



We conduct all our activities in accordance with the laws and then with ethical values. We believe in growing together and we look for mutual benefit in all our business relationships.

Privacy Policy



All your personal information shared with our company is guaranteed by our ethical values and our processes in compliance with the Law No. 6698 on Protection of Personal Data.

Information Security



All our information technology operations are protected by our information security processes, which are managed in accordance with ISO 27001 Information Security Management System requirements.

Professional System Solution Center

You can get answers to the problems you experience with your pumps, heat exchangers and system from our MIT professional system solution center. You can also benefit from our 7/24 uninterrupted service with our solution center consisting of our expert engineers.

- Domestic hot water installations.
- Central and district heating systems.
- Milk, yogurt, heating, cooling and pasteurization systems.
- Industrial cooling and heating systems.
- Oil cooling systems.
- Energy recovery systems.
- Pool heating systems.
- Steam installations.



It is vital for your system to be designed and implemented correctly in the first installation in order to be able to operate at the desired capacity, smoothness and long life. For this reason, you can get first-hand

the technical support you need during the installation phase of your system and the problems that may arise in the business; You can reach us **24 hours +90 (216) 232 24 12 in 7 days.**



+90 850 811 04 18

We would like to reiterate that we will be happy to share our knowledge accumulated over many years with our valued customers in order for your system to work correctly and performance.

Ekin will continue to be the best solution partner for you in all applications with all kinds of heating and cooling applications.

 Producer; reserves the right to change the product features, technical dimensions and information and installation diagrams specified in this catalog without notice. No specified information can be copied and used without the permission of the manufacturer. In no way can the manufacturer be held responsible by giving examples of technical information and diagrams. In case of need, we request you to request a special technical drawing for your project for exact dimensions.

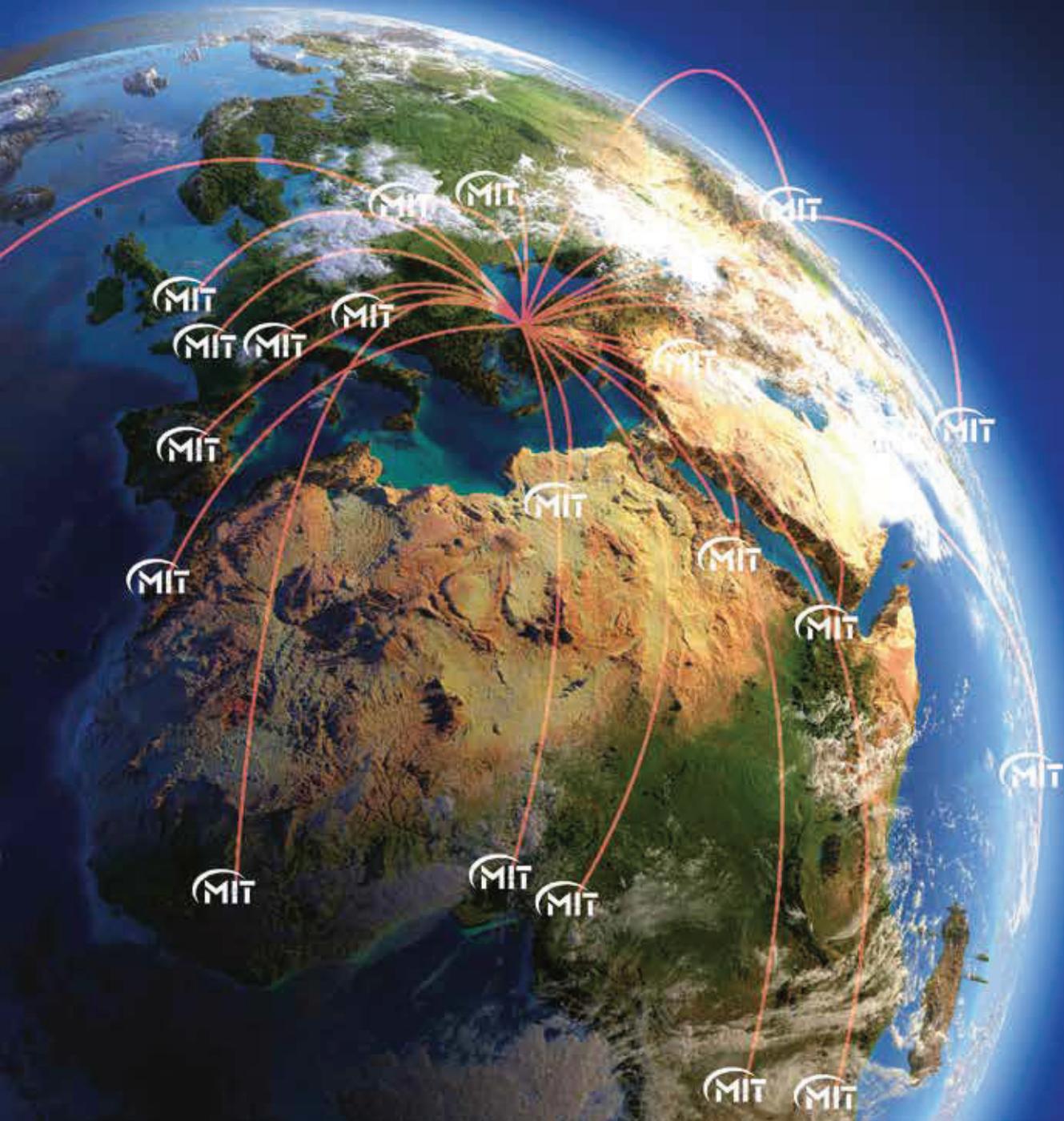


/ekinendustriyel

**Follow us on
social media...**



Today; **135 points** in the world.





EKİN ENDÜSTRİYEL
Isıtma - Soğutma San. Tic. A.Ş.

Dudullu Organize Sanayi Bölgesi - Des Sanayi Sitesi
107. Sk. B14 Blok No: 2 Ümraniye / İstanbul / Türkiye
Phone: +90 216 232 24 12 **Fax:** +90 216 660 13 08
info@ekinendustriyel.com - www.ekinendustriyel.com

+90 216
444 € 3 5 4 N 6

