



EKİN ENDÜSTRİYEL

**MONOPUMPS
PRODUCT CATALOGUE**

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EKIN ENDÜSTRİYEL
Isıtma-Soğutma San. Tic. Ltd. Şti.





Sustainable Innovation, Quality Standardization and Dynamism

Ekin has entered Turkey's sector of the imported plate heat exchanger, with their customer-focused vision and dynamic. Ekin has expanded into new and upcoming investments. One of the main steps was gaining the identity of being a producer. Ekin has started the production of plate heat exchangers with the brand of "MIT". We have grown in the philosophy of quality, through initially adapting to ISO Quality Management.

MIT plate heat exchangers have now become a solution to engineering problems in the world market and have grown through an expansion of franchises.

Engineering Approaches, Integrated Solutions

Ekin has expanded into the production of components, sales, and after-sales service by employing expert engineers. The factors that guided Ekin to success are their exceptional customer service to the needs and wants of consumers, modern facilities, and becoming partners to projects that involve high-end technology.

Ekin is an expert company which has a wide product range which includes plate heat exchangers, accumulation tanks, water heater tanks, installation, and its service group and submit competitive advantages to mechanical installation sector in Turkey and all around the world.



APPLICATION FIELDS



HEAT TRANSFER PRODUCTS

- Gasketed Plate Heat Exchangers • Brazed Heat Exchangers • Shell&Tube Heat Exchangers • Air Fan Oil Cooler • Economizers • Coils and Radiators



PRESSURE VESSELS

- Water Heater Tanks • Water Storage Tanks • Buffer Tanks • Expansion Tanks • Stainless Steel Process Tanks • Balance Tanks / Dirt Separators / Air Separators • Pressured Air Tanks • Neutralization Tanks • Air Tubes • Steel IBC Tanks with ADR



COMPLETE SYSTEMS UNITS

- Heat Stations • Steam Package Systems • Special Designed Systems • Dosing Systems • Substations • Thermoregulators



FOOD GRADE SYSTEMS

- Pasteurizers with plate heat exchangers • Hygienic Pasteurizers with Shell & Tube Heat Exchangers • Cheese and whey Systems • UHT – Sterilization Systems • CIP Systems • Hygienic Storage and Process Tanks • Homogenizers • Standartization Systems • Evaporators • Turn-key Projects



FLUID TRANSFER PRODUCTS

- Lobe Pumps • Hygienic Centrifuge Pumps • Turbo / Roots / Centrifuge Blowers • Drum Pumps • Acid Pumps • Dosing Pumps • Monopumps • Air operated Double Diaphragm Pumps (AODD)



VALVES

- Thermoplastic Valves • Plastomatic Valves



ENERGY SYSTEMS

- Solar Collectors • Water Heater Tanks for Solar

Content

1

Nova Rotors Monopumps



FLANGED INDUSTRIAL SERIES

The Flanged Industrial Series is the basis of the Diamond series. The robust cast casings, also in the stainless steel model, with large inspection ports included, make this an ideal product for the toughest applications. The Diamond DN and JN series are the best solution for a wide range of fluid pumping industries. They are synonymous with sturdiness, reliability, performance and application flexibility. Available with UNI, DIN and ANSI flanged and GAS BSP threaded connections.

The drive system is coupled directly to the pump by means of a flange. This solution is extremely economical and compact, considerably reduces installation costs and simplifies maintenance. The forces generated by the hydraulic part are supported by the drive system itself.

The drive is connected to the free bare shaft via a flexible coupling. This solution is the best solution in terms of performance and durability. All the forces generated by the pump are absorbed by the bearings. The bearing unit of our design is modular and can be installed at a later date in a closecoupled pump of the DN series.

DN SERIES



JN SERIES



HOPPER PUMPS

The open hopper pumps with hydraulic auger feed screw are ideal for handling high-consistency materials with a low degree of flowability and high solid content. They are available in 7 different construction types, each with different screws and hoppers based on the type of product to be pumped. All pumps can be made with a close coupled arrangement or a bearing unit arrangement and free bare shaft (JH SERIES, JHS SERIES, JHP SERIES, JHB SERIES and JHSB SERIES) excepting the DHE SERIES which has a built-in gear motor.

DH SERIES

Standard model equipped with rectangular hopper and an auger feed screw that moves the product to the hydraulic part. The length can be adapted to suit the application. Suitable for pumping materials with low flow-ability and up to 18% solids content which do not create or have a tendency to bridge.



DHE SERIES



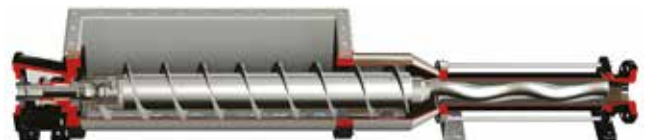
This model has a large eccentric hopper, with integrated trolley, ideal for the wine industry in conjunction with destemmers-crusher. For pumping crushed grapes with or without stems. Extremely compact standard construction with all parts made from AISI 304 stainless steel.

The worm gear motor significantly reduces the pump's footprint. The pump is supplied with a safety mesh on the hopper, protection guard for the drive system and a large handle that can accommodate electric panels and inverters. It can be supplied with a level probe on the hopper for automatic shutdown of the pump.

DHS SERIES

This model features a rectangular hopper and enlarged auger feed screw that moves the product to the hydraulic part. The length can be adapted to suit the application.

Suitable for pumping high viscosity materials with low flow-ability and up to 28% solids content which do not tend to bridge. The screw drive shaft features a special integrated joint protection.



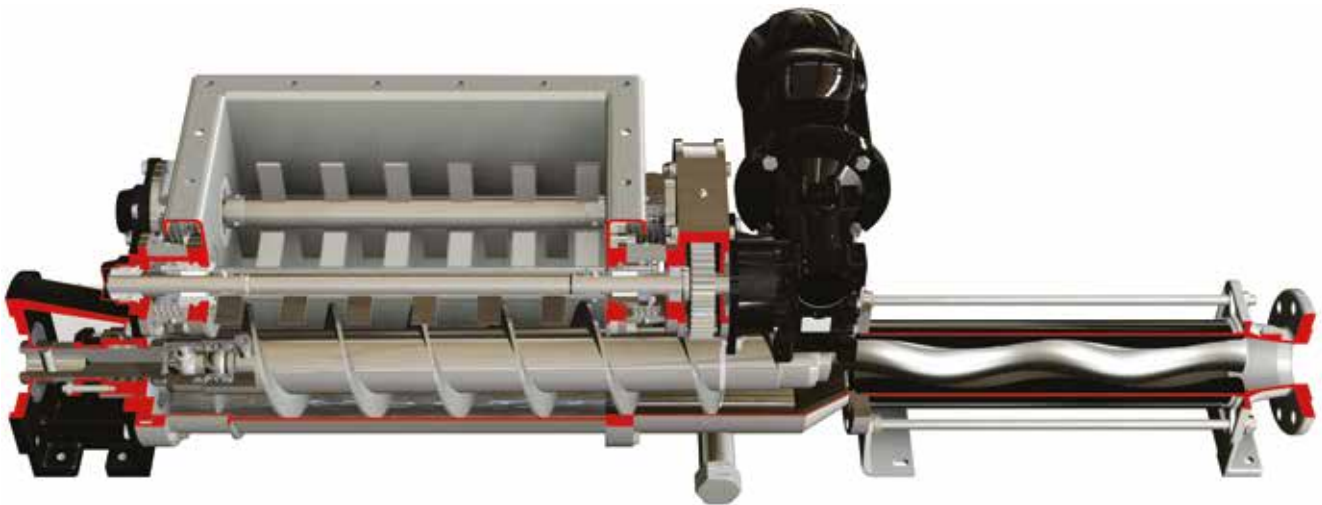
HOPPER PUMPS

DHP SERIES



Model fitted with wide hopper, single bridge breaker shaft and auger feed screw that moves the product to the hydraulic part. Easy handling of materials with a low degree of flow ability and prone to bridging. Particularly suitable for easily compressible, large mixtures or solid materials such as whole fruits and vegetables. Ideal for food applications such as grapes, whole fresh grapes, chopped tomatoes or doughs for the confectionery industry. Standard AISI 304 or AISI 316 stainless steel construction. No dead zones and easy to clean design.

DHB SERIES

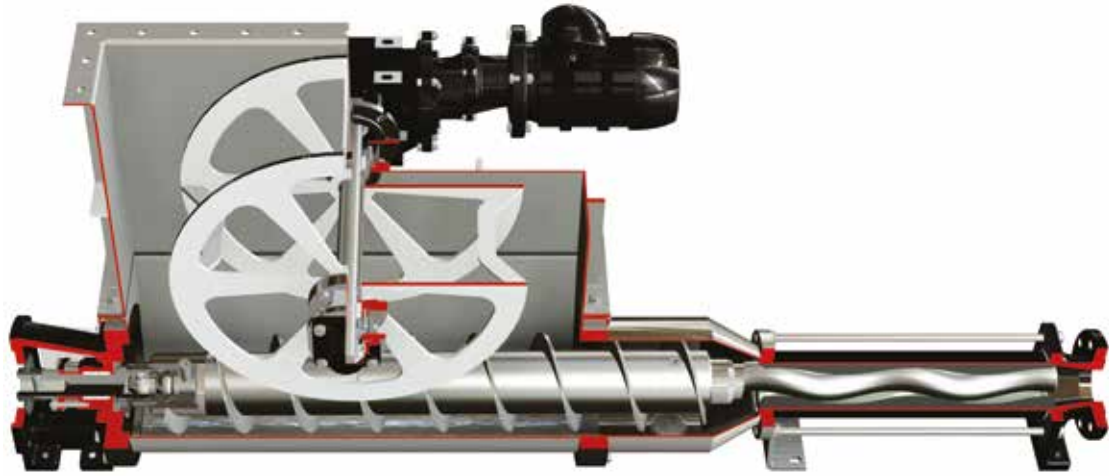


This model features a hopper with double bridge breaker shaft and an enlarged auger feed screw that moves the product to the hydraulic part. The length can be adapted to suit the application. Suitable for pumping highly viscous, non-flowing materials with up to 35% solids content with blocks that tend to bridging.

The screw drive shaft features a special integrated joint protection.

HOPPER PUMPS

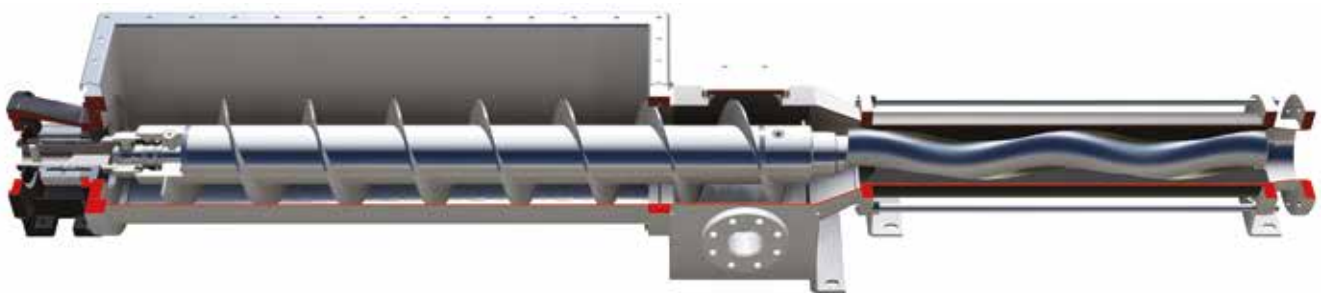
DHSB SERIES (DHS with “B” Module)



This model features a rectangular hopper and an enlarged auger feed screw that moves the product to the hydraulic part. The hopper is fitted with a “B” Module which features a special wheel device that feeds the screw to prevent bridging and increase flow ability of the plastic or pseudo plastic materials. Suitable for pumping non-flowing materials with up to 40% solids content with blocks that tend to bridging.

It is particularly effective in pumping products that tend to plasticize. The screw drive shaft features a special integrated joint protection.

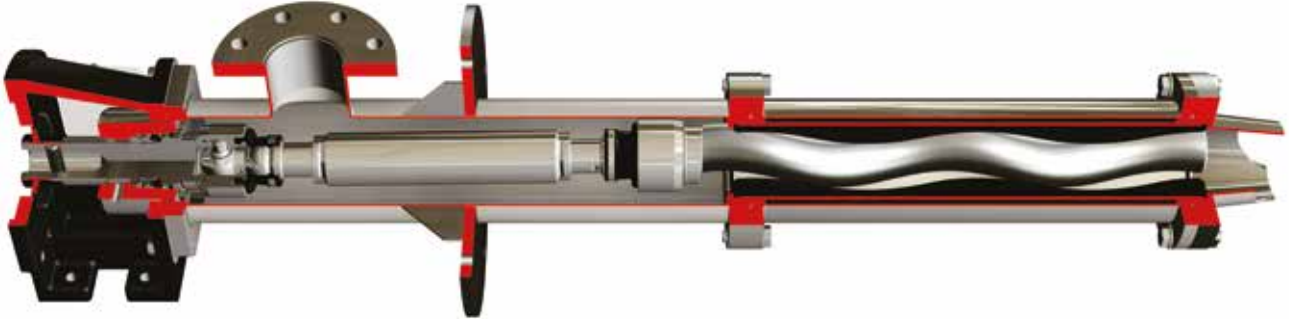
DHS-T SERIES



This model features a rectangular hopper and an enlarged auger feed screw that moves the product to the hydraulic part. It is designed for the Biogas sector for pumping silage with the injection of phase liquid at the inlet to increase pump-ability of the solids. The separate inlet provides the connections for the injection of liquids and has a rectangular bottom for collecting any stones that might enter the hopper and be conveyed away by the screw. This avoids damage to the hydraulic section. Moreover, a large additional inspection port is provided with quick couplings for easy removal of solid deposits from the inlet.

VERTICAL SERIES

DV SERIES “SHORT VERSION”



The Vertical series is the ideal solution for pumping viscous or non-viscous, abrasive and aggressive materials from tanks and wells. These pumps are available with UNI, DIN and ANSI and GAS BSP discharge flanged connections; whereas the liquid suction port is designed specifically for priming the product in which it is immersed. The length can be adapted to suit the installation requirements. The stainless steel version (AISI 304 or AISI 316) is supplied with a stator jacket as standard to prevent corrosion of the stator.

DV SERIES “LONG VERSION”



There are two standard configurations: the short version and the long version. The difference is in the installation length with which they are constructed. The short version is compact robust and very easy to install. Whereas the long version is ideal for installation in deep wells or tanks and feature a number of dedicated optimizations such as the removable inlet for easy maintenance of the rotor, stator and coupling. A fundamental feature is the downhole plate with clamping cone to make the pump extremely stable and vibration-free even in extreme conditions of use.

They are always constructed in the close-coupled version.

HYGIENIC SERIES

The sanitary pump series is state of the art and perfect for food, pharmaceutical, chemical and cosmetic industries. The complete sanitary design, in compliance with EHEDG and 3A standards, ensure maximum sanitization. These pumps are top rated for “Clean in Place” and “Sterilisation in Place” procedures. The geometry of the pumps is designed specifically to allow complete draining and avoid dead zones. Each single component is manufactured with the utmost attention to finishing details and is thoroughly cleaned.

As well as the parts that come into contact with the product, the block construction and base (when requested) are also made of stainless steel (standard in AISI 304).

The available fittings include DIN 11851, DIN 11864, Clamp ISO 2852, Clamp ASME-3A, Clamp DIN 32676, RJT, SMS 1145 and lastly Garolla and Macon fittings for the wine industry.

The complete range of pumps can be manufactured with block construction (DXO SERIES and DXC SERIES) or bearing unit and free bare shaft (JXO SERIES, JXC SERIES).

DXO SERIES



The DXO series is a hygienic pump with open joint. The design of its casing and rotating parts ensures that they are completely free of stagnation points and dead zones, making it the absolute best for sanitary applications. The pin-type joint has been suitably sized to ensure a long life. Lubrication of the joint is guaranteed by the actual product thanks to its open design, consequently it is suitable for non-abrasive fluids. Performance improves considerably when pumping lubricants.

DXC SERIES

The DXC series is a hygienic pump with closed pin joint (standard to the DN series) and ideal for abrasive sanitary applications. In all other respects it maintains all the sanitary features of the DXO series.

. Lubrication of the pin is independent of the pumped product, consequently it is also suitable for abrasive fluids.



WOBBLE PUMP SERIES

The wobble series of pumps is the ideal solution for applications requiring an extremely compact and versatile product. The small number of parts used in its construction makes maintenance simple and economical. It can be used in a broad range of industries because of its capacity to pump viscous products containing solids in the fluid or slightly abrasive products. It is ideal for those seeking an economical yet efficient product, as it boasts an unparalleled cost/benefits ratio. Pumping is pulse-free and the centrifugal effect is almost totally absent even at high speeds. The absence of dead zones inside the pump makes it suitable for use in the food industry as well.

The R and RL series pumps are all constructed with robust cast iron and stainless steel (AISI 304 and AISI 316) bodies made with lost wax casting technology.

Available with threaded GAS BSP fittings, and on request we can supply DIN 11851 type adapters.

RL SERIES

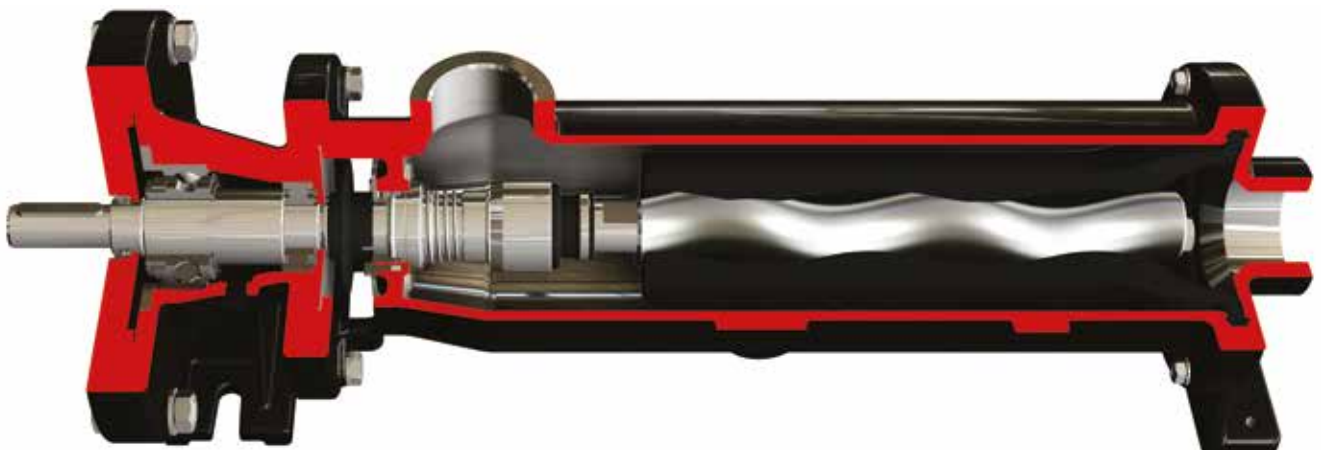


The RL series is an extremely compact product thanks to the integrated pump-electric motor construction. The patented pin joint of the Diamond series ensures high reliability. The support between the body pump and drive unit has been eliminated which makes the pump more compact and easier to maintain.

RJL SERIES

The RJL series is based on the same technology as the RL series. The difference lies in its use of a bearing unit and free bare shaft. The RJL series can be connected to the drive with a flexible coupling. The ideal solution for the supply of a bare shaft pump.

The bearings ensure the highest reliability in all operating conditions.



WOBBLE PUMP SERIES

RFL SERIES



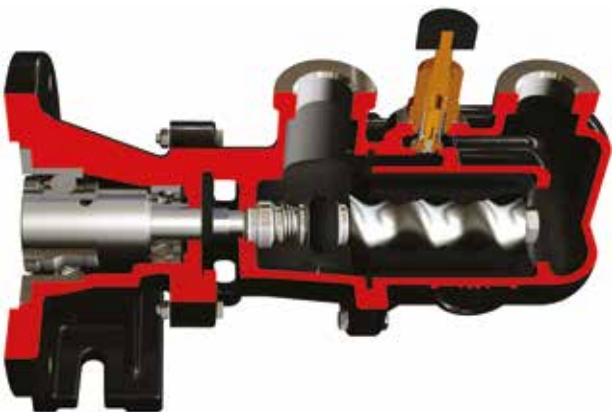
The RFL series is based on the same technology as the RL series. The difference lies in its use of a bearing unit with plug-in shaft. The RFL series can be flanged directly to the drive. This is the ideal solution for the supply of a pump without a drive system, while maintaining compactness and easy installation. The bearings ensure the highest reliability in all operating conditions.

R SERIES

The R series is the most compact product available due to its integrated pump-electric motor construction and an extremely short hydraulic section. It uses a cross joint, is reliable and easy to maintain. The support between the body pump and drive unit has been eliminated which makes the pump more compact and easier to maintain.



RF SERIES



The RF series is based on the same technology as the R series. The difference lies in its use of a bearing unit with plug-in shaft. The RF series can be flanged directly to the drive. This is the ideal solution for the supply of a pump without a drive system, while maintaining compactness and easy installation. The bearings ensure the highest reliability in all operating conditions.



Ekin is aware that the progress in its sector is possible through continuous development and learning.

Ekin Academy, established with this awareness, aims to provide high-quality and sustainable development with its modern education methods, to provide successful employees and to provide value to the society through social responsibility projects.

Training and development programs that will make a direct contribution to the results of our employees' work processes and which will make a difference in their personal development are prepared by Ekin Academy.

For our business partners and customers, our training modules prepared by our expert staff provide training support for pre-sales and post-sales issues such as commissioning, operation, maintenance and repair of our products.

In cooperation with universities within the scope of corporate social responsibility projects, we are experiencing the happiness of adding value to the society by allowing the engineer candidate, who aims to take place in the fields where Ekin is active, to meet with the sector and to experience the theoretical knowledge acquired in the fields of application.

In-Company Trainings

Ekin Academy conducts technical, leadership, strategy development, sales and training and development programs for different tasks in the fields of heat transfer, pressure vessels, package systems, food systems and liquid transfer.



Out-of-Company Trainings

We are realizing conferences and training activities to our business partners, professional groups and institutions where we carry out social responsibility projects in various locations of Turkey.



SALES TEAM

At Ekin, we produce a proactive solution by our engineering staff who are specialized in their field. Our team, which works with the aim of unconditional customer satisfaction, works selflessly in order to gain customer loyalty by raising the bar of success in products, services and processes.

We are happy to share our accumulated knowledge with our valued customers. Ekin will continue to be the best solution partner for you in all applications with all kinds of heating and cooling applications.



Customer Satisfaction

Customer rights are protected in all circumstances.



Privacy Policy

Aware of the importance of protecting personal information, personal information is not shared with third parties.



Information Security

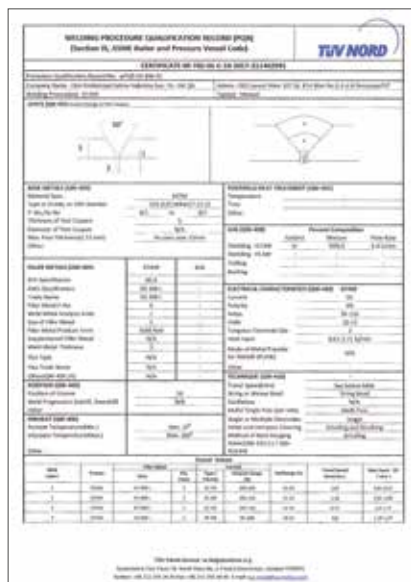
The requirements of ISO 27001 information security management system are fulfilled at Ekin.



Ethical Values

In all our business relations, our principle of mutual benefit by adhering to laws and ethics is our principle.

CERTIFICATIONS





PROFESSIONAL SYSTEM SOLUTION CENTER

From our MIT professional system solution center, you can get help with problems with your pumps, heat exchangers and your system. Our solution center consisting of our expert engineers will be happy to help you.

- Domestic hot water installations.
- Central and district heating systems.
- Milk, yogurt, buttermilk 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 (216) 444 35 46 in 7 days.**

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.



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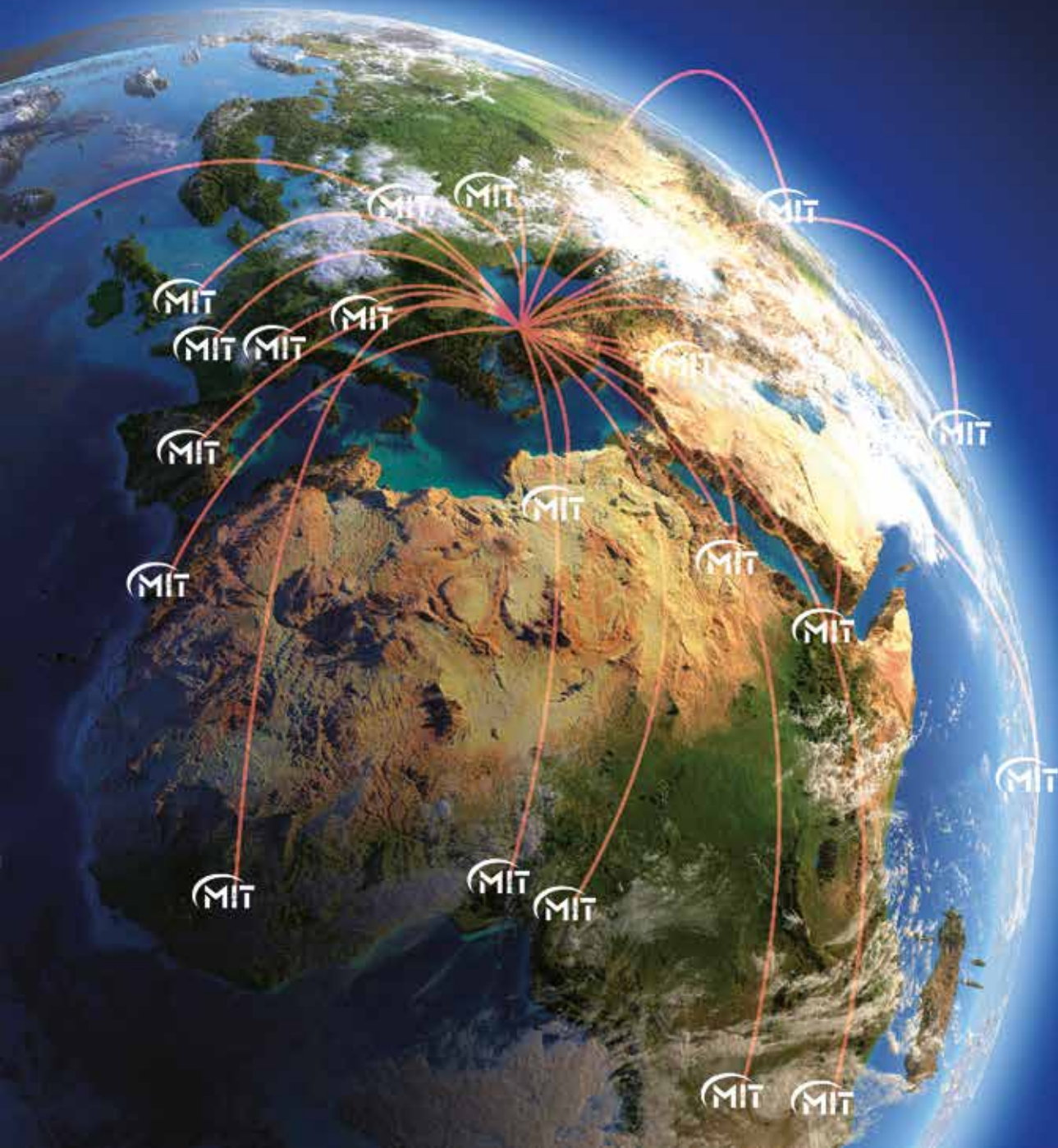


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Our products are produced with Turkish engineering technology in **135 countries** in the world today...





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