



EKİN ENDÜSTRİYEL

**HYGIENIC
CENTRIFUGAL PUMPS
PRODUCT CATALOGUE**

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





The first condition of innovation is to question.

And the first condition of sustainable innovation is to question constantly.

The journey of innovation has started with a question for us too: “How can we develop value-added technologies in Turkey?”. First turning point in this long journey was the birth of MIT (Made in Türkiye) brand. MIT made us the first plate heat exchanger producer of Turkey and it’s founding vision was not to become a local alternative, it was to build a high-quality brand that can compete on a global level.

While we are working towards this goal in the past 17 years, our products and processes deemed worthy for documentation by many national and international quality assessment institutions such as ISO, TSE, CE, GOST and many more. This was the natural outcome of our constant questioning of the status-quo and our desire to outperform ourselves.

New Generation Engineering

With our engineering approach that focuses on the process, not the problem, we do not just specialize in a product, we consider the entire ecosystem of that product. Ergo, we produce all the other components of a system in addition to plate heat exchangers and we focus on the constant development of engineering staff required to provide an end-to-end application.

We provide a “solution” rather than a product with our business development, presales, sales and after sales services provided by our expert engineers.

In our 17th year, we continue to grow as a solution partner for projects that need high technology in more than 60 countries with our internationally approved high-quality plate heat exchangers; components such as accumulation tanks, boilers, industrial pumps and installation materials that completes these exchangers to form a system; and complementary services provided by our expert engineer staff.



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
- 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
- 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
- Thermoplastic Valves

ENERGY SYSTEMS

- Boilers
- Steam Generators
- Solar Collectors
- Chillers
- Cooling Towers

PRODUCT RANGE



Contents

1

Hygienic Centrifugal Pumps





MIT HYGIENIC CENTRIFUGAL PUMPS

MIT hygienic centrifugal pumps have all the features necessary for the transfer of all liquids in milk, fruit juices, alcoholic and non-alcoholic beverages, beer, pharmaceuticals and chemical industry. Made of 304 or 316L quality stainless steel. Thanks to its high wall thickness, it has a long service life against corrosion wear.

Thanks to the special design of the lid and fan, friction is reduced and non-hygiene blind spots are eliminated. The convenience of the special structure of the fluid in the pump speed can reach the highest level. In addition, it allows easy control and cleaning applications in a short time with its easy disassembly feature.

Pump Technical Specifications

Max. Flow: 100 m³/h
Max. Discharge Head: 70 m
Max. Operating Temperature: 120 °C
(30 mins. in CIP/SIP applications)
Max. Cycle: 3600 d/dk.

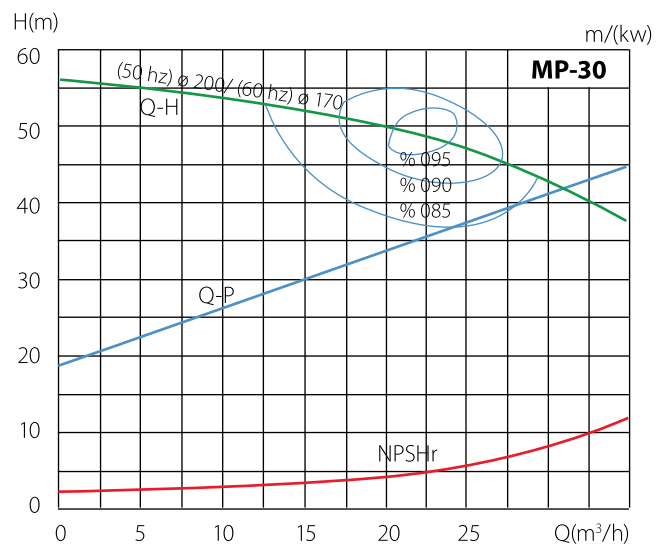
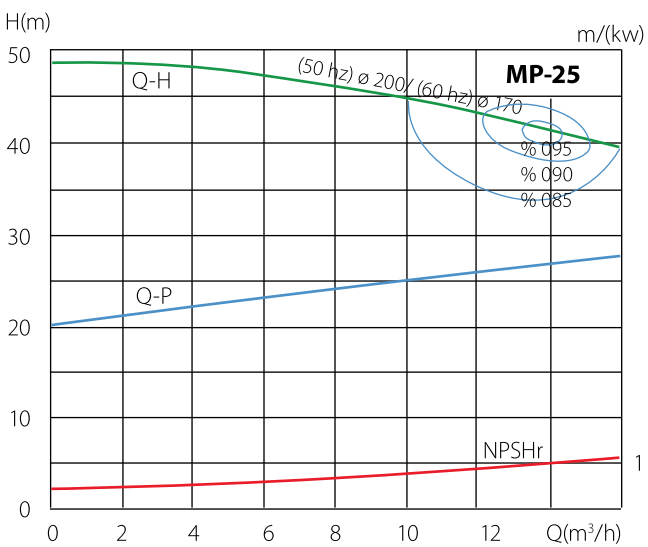
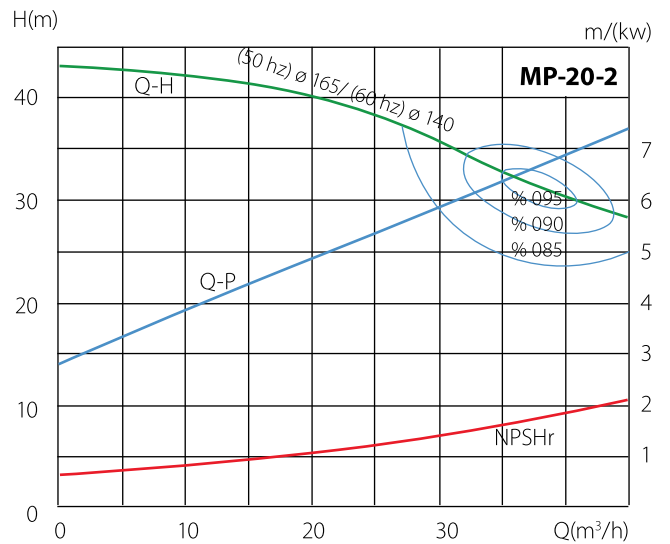
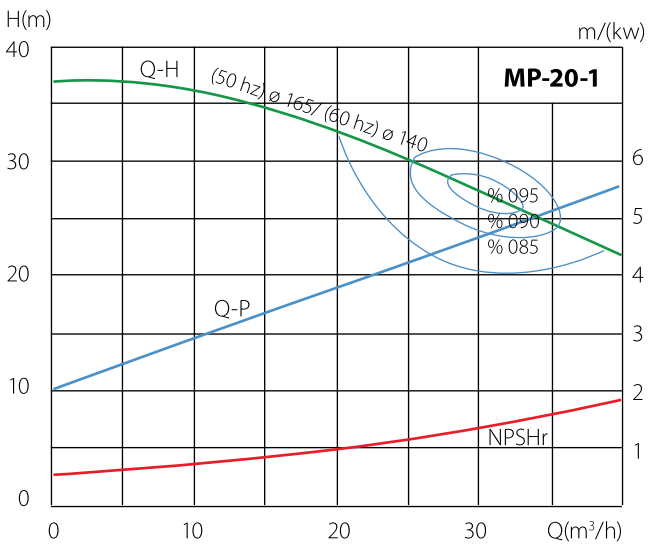
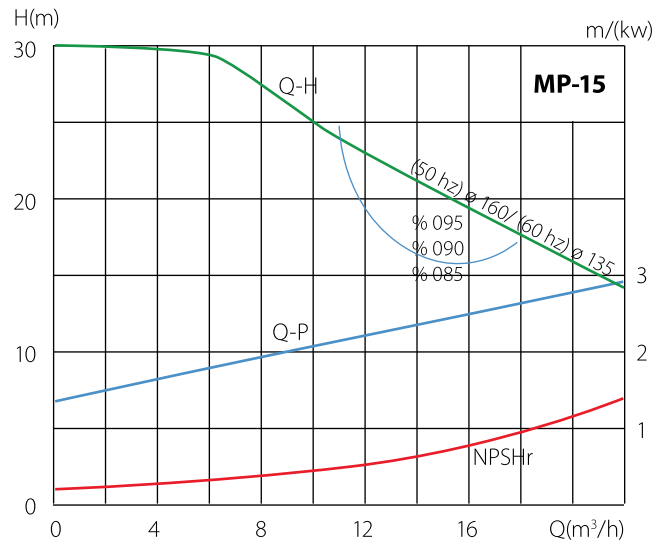
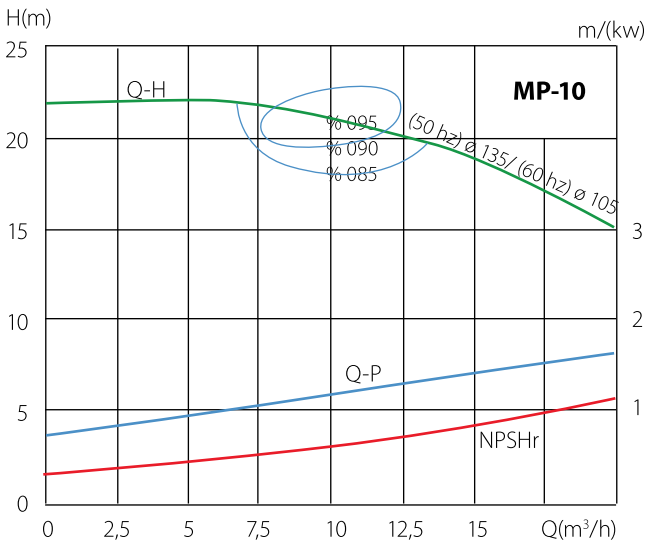
Materials

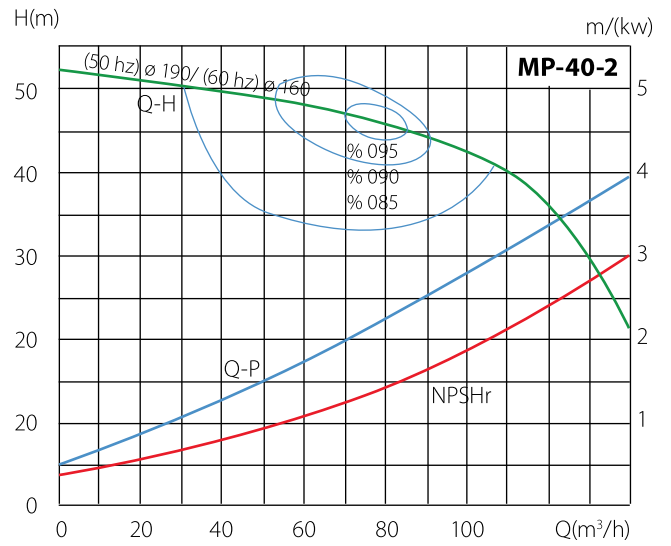
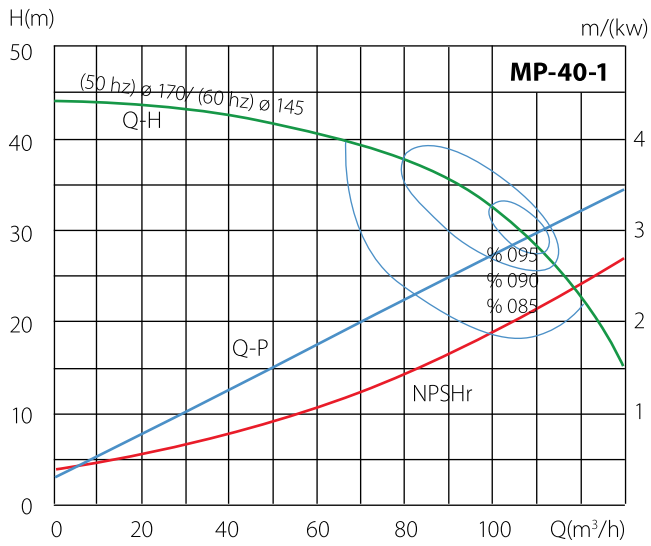
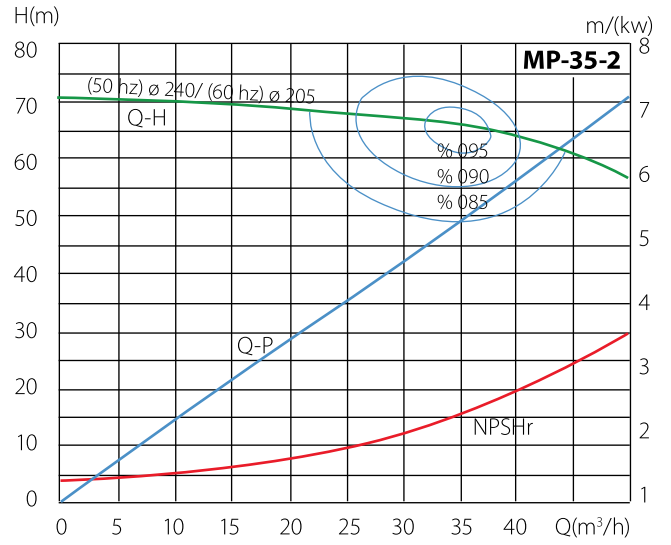
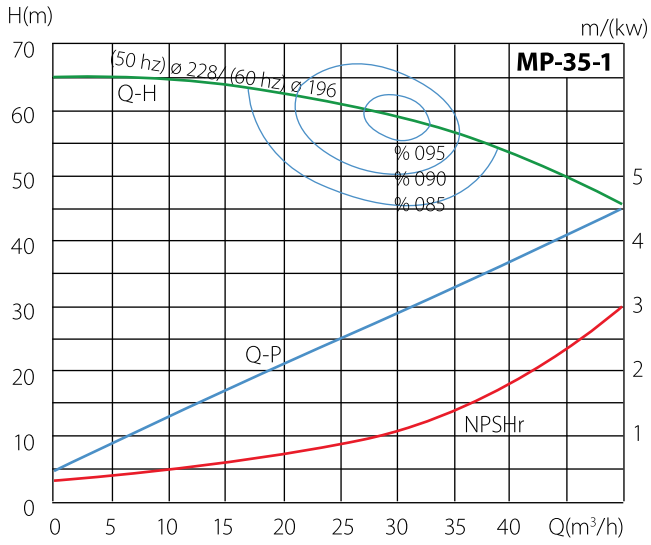
Pump Body and Fan: AISI 316L / AISI 304
Gasket: EPDM (conformity to food - FDA)
Leak-proofing: Meachanical Seal



Model	Capacity		Motor Power (kW)	Input-Output Connection Dimensions
	m³/h	Metre		
MP-03	1	13	0,55	DN25 / DN25
	7	10	0,55	
MP-05	3	12	0,75	DN40 / DN40
	8	10	0,75	
	17	3	0,75	
MP-10	3	27	1,5	DN50 / DN40
	5	26	1,5	
	7	25	1,5	
	11	24	1,5	
MP-15	3	27	2,2	DN50 / DN50
	10	24	2,2	
	29	13	2,2	
MP-20-1	5	30	3,0	DN50 / DN50
	11	28	3,0	
	10	30	4,0	
	35	19	4,0	
MP-20-2	5	40	5,5	DN65 / DN50
	10	38	5,5	
	40	29	5,5	
MP-30	10	41	7,5	DN65 / DN50
	30	36	7,5	
	49	30	7,5	
MP-35-1	20	55	11,0	DN80 / DN65
	25	50	11,0	
	30	45	11,0	
	50	25	11,0	
MP-35-2	10	53	15	DN80 / DN65
	29	52	15	
	40	51	15	
	52	50	15	
	64	46	15	
	30	65	18,5	
	60	50	18,5	
MP-40-1	10	82	22,0	DN80 / DN65
	30	81	22,0	
	39	80	22,0	
	51	76	22,0	
	59	73	22,0	
	61	72	22,0	
	65	72	22,0	
	68	71	22,0	
71	70	22,0		
MP-40-2	40	80	30,0	DN80 / DN65
	45	78	30,0	
	50	76	30,0	
	60	72	30,0	
	70	67	30,0	
	80	64	30,0	
	85	63	30,0	
	90	60	30,0	
	93	58	30,0	
	95	55	30,0	
100	50	30,0		

PERFORMANCE CURVES







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

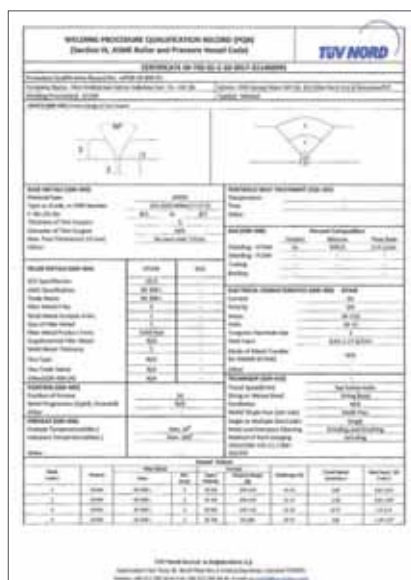
The requirements of ISO 27001 information security management system are fulfilled at Ekin.



Ethical Values

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

CERTIFICATES

This is a TUV NORD WELDING PROCEDURE QUALIFICATION RECORD (WPQR) form. It contains detailed information about the welding process, including the welding procedure specification (WPS) number, the welder's name, and the results of the qualification tests. The form includes a table for test results and a signature block.

Test	Welder	WPS No.	Welding Process	Welding Position	Welding Speed (mm/min)	Welding Current (A)	Welding Voltage (V)	Welding Gas	Welding Electrode
1									
2									
3									
4									
5									



This is another TUV NORD WELDING PROCEDURE QUALIFICATION RECORD (WPQR) form. It contains detailed information about the welding process, including the welding procedure specification (WPS) number, the welder's name, and the results of the qualification tests. The form includes a table for test results and a signature block.

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1									
2									
3									
4									
5									



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 +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.

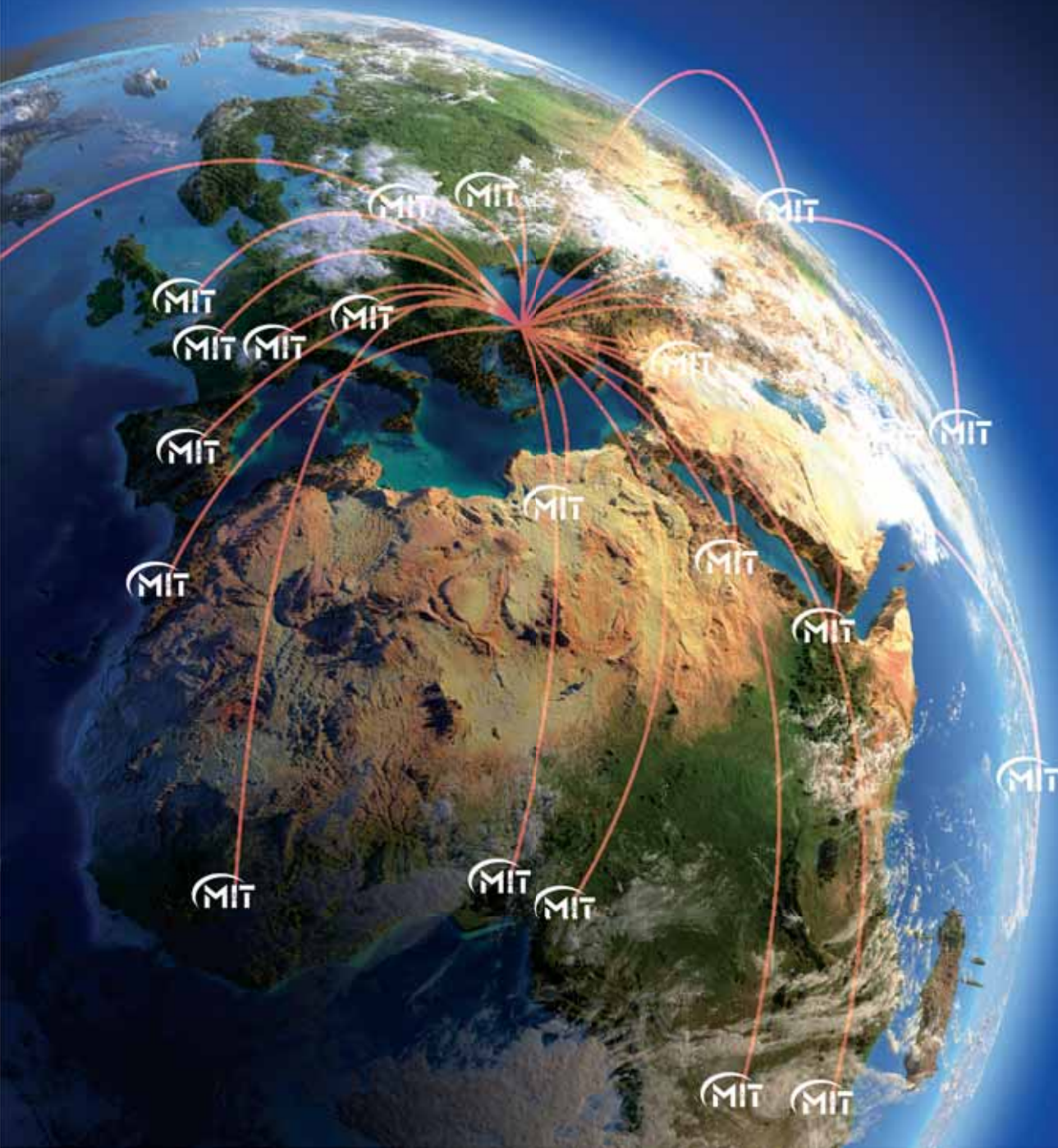


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Our products are produced with Turkish engineering technology in **135 countries** in the world today...





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