



EKİN ENDÜSTRİYEL

AIR
DIAPHRAGM PUMPS
PRODUCT CATALOGUE

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





Sustainable Innovation, Quality Standardization and Dynamism

Ekin Endüstriyel, which has entered Turkish heating sector by exporting of plated heat exchangers, is known with customer focused vision and dynamism. 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 become a solution for 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

Contents

1

Air Diaphragm Pumps



MIT DIAPHRAGM PUMPS

Diaphragm pumps which work with air can be used in various areas in industrial works. It works as the same principle with lift and force pumps. Diaphragm pumps works with air instead of electricity motors with help of a compression motor that supplies demand of the pumps air according to its own flow rate and pressure values.

Due to pumps non-electric motor it has an ex-proof feature. For this reason this pump can serve under oil, solvent and many other flammable material containing work spaces. Besides having deep vacuum and dry working features this pumps flow rate and pressure can be easily adjustable.

Considering all these reasons air working pumps can serve at various areas of industry like transfer, circulation, injection, filling.



MIT 160 SERIES DIAPHRAGM PUMPS

MIT ac diaphragm transfer pumps have multiple applications which give opportunity to be used at high flow rated and particulated fluids. With differing diaphragm adjustments according to flows MIT air diaphragm transfer pumps offers a longer life-time.



Usage Areas

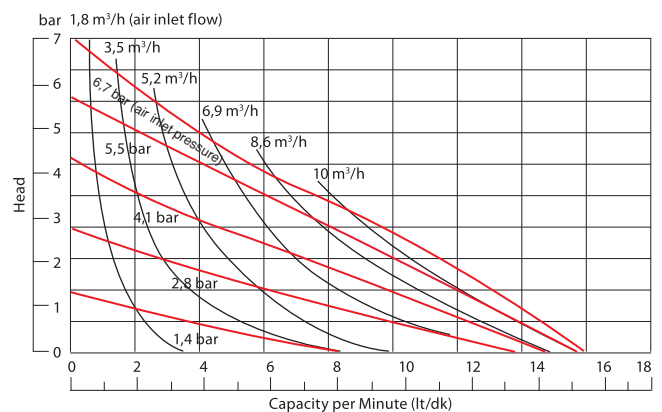
MIT diaphragm pumps can easily transfer the fluid with connecting to the bottom of the tank.



TECHNICAL FEATURES	
Flow	16 l/min.
Pump Inlet-Outlet	1/4"
Operating Pressure (max.)	7 bar
Head (max.)	70 m
Suction	6 m
Operating Temperature	0 ~ +100 °C
Air Inlet	1/4"
Particle Permeability	1 mm
Weight	1,5 kg

MATERIAL FEATURES	
Body	Polypropylene (PP)
Diaphragms	Santoprene
	Teflon
	EPDM
	Viton
	Buna-N
	Neoprene

MIT 160 (1/4") Plastic Pumps Per. Curve



MIT 550 SERIES DIAPHRAGM PUMPS

MIT 550 series offers the user to choose the most effective application for various chemicals with and aluminum body.



Usage Areas

MIT diaphragm pumps can also be used as submerged pumps. To do this, air release pipe should go above the water level to keep pumps exhaust for releasing the air.

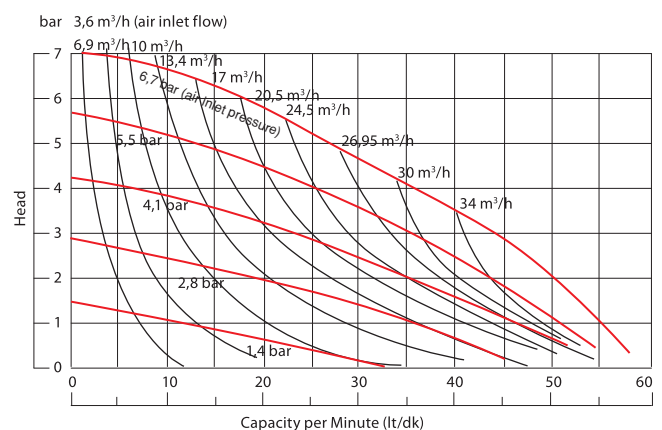
TECHNICAL FEATURES

	Plastic Body	Metal Frame
Flow	55 l/min.	55 l/min.
Pump Inlet-Outlet	3/4"	3/4"
Operating Pressure (max.)	7 bar	7 bar
Head (max.)	70 m	70 m
Suction	6 m	6 m
Operating Temperature	0 ~ +100 °C	-18 ~ +100 °C
Air Inlet	1/4"	1/4"
Particle Permeability	3 mm	3 mm
Weight	4,2 kg	4,9 kg

MATERIAL FEATURES

Body	Polypropylene (PP) Aluminium
Diaphragms	Santoprene
	Teflon
	EPDM
	Viton
	Buna-N
	Neoprene

MIT 550 (3/4") Plastic and Metal Pumps Performance Curve



MIT 1500 SERIES DIAPHRAGM PUMPS

MIT air diaphragm pumps are commonly used at marine industry. Bilge water discharge, sanding, scrape and rusted wastes are also in the line of work of this pump. Air diaphragm pumps are also used at transferring and storing most of the chemicals which used at dye houses and press machines paint circulations which used at textile industry. With the color and press capacity of the machine a different pump can be used for every color.



MIT 1500 (1") Metal Pump



MIT 1500 (1") Plastic Pump

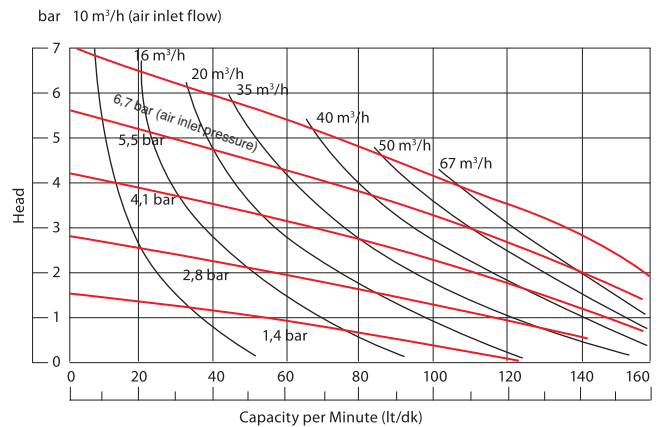
TECHNICAL FEATURES

	Plastic Body	Metal Body
Flow	150 l/min.	150 l/min.
Pump Inlet-Outlet	1"	1"
Operating Pressure (max.)	7 bar	7 bar
Head (max.)	70 m	70 m
Suction	6 m	6 m
Operating Temperature	0 ~ +100 °C	-18 ~ +100 °C
Air Inlet	1/2"	1/2"
Particle Permeability	4 mm	4 mm
Weight	8 kg	9 kg

MATERIAL FEATURES

Body	Polypropylene (PP)
	Aluminium
	Stainless Steel
	Nodular Cast Iron
Diaphragms	Santoprene
	Teflon
	EPDM
	Viton
	Buna-N
	Neoprene

MIT 1500 (1") Plastic and Metal Pumps Performance Curve



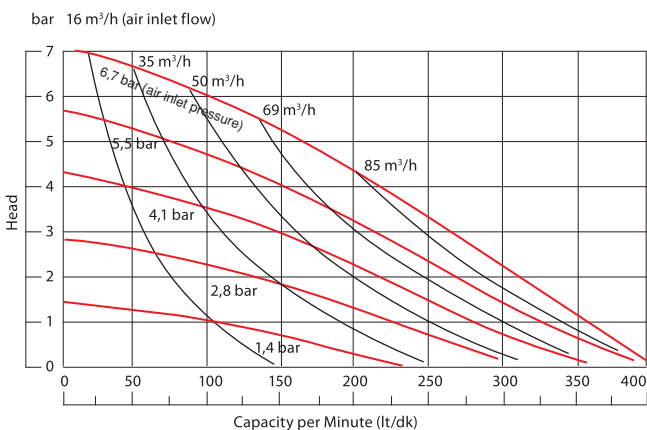
MIT 4000 SERIES DIAPHRAGM PUMPS

MIT air diaphragm pumps are very useful at cleaning oil and sludge which occurred at storage basins of petrol products. These pumps can be used for any type of chemical, glue, solvents, paint or inks transfer and circulation. A MIT air diaphragm pump doesn't require any electrical engine due to this reason it has a resistance to explosion and combustion which called the Ex-proof feature. It can be used in transferring and storing paint and glue materials. For water based fluids nitrile caoutchouc diaphragm can be used and for solvent based fluids PTFE diaphragm can be used.



MIT 4000 (1 1/2") Metal Pump

MIT 4000 (1 1/2") Plastic and Metal Pumps Performance Curve



TECHNICAL FEATURES		
	Plastic Body	Metal Body
Flow	400 l/min.	400 l/min.
Pump Inlet-Outlet	1 1/2"	1 1/2"
Operating Pressure (max.)	7 bar	7 bar
Head (max.)	70 m	70 m
Suction	6 m	6 m
Operating Temperature	0 ~ +100 °C	-18 ~ +100 °C
Air Inlet	3/4"	3/4"
Particle Permeability	6 mm	6 mm
Weight	20,5 kg	25 kg

MATERIAL FEATURES	
Body	Polypropylene (PP)
	Aluminium
	Stainless Steel
	Nodular Cast Iron
Diaphragms	Santoprene
	Teflon
	EPDM
	Viton
	Buna-N
	Neoprene



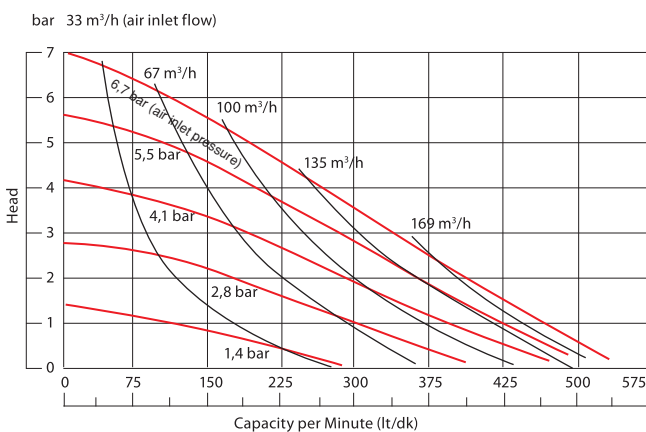
MIT 4000 (1 1/2") Plastic Pump

MIT 5600 SERIES DIAPHRAGM PUMPS

MIT air diaphragm pumps are used in transferring acid and chemical based sludge and dewatering sedimentation sludge with pressing it to filter at water treatment plants. Transferring animal based waste in slaughtering facilities, storing and bottling process at fish oil industry can be referred work areas of MIT air diaphragm pumps.



MIT 5600 (2") Plastic and Metal Pumps Performance Curve



TECHNICAL FEATURES		
	Plastic Body	Metal Body
Flow	400 l/min.	400 l/min.
Pump Inlet-Outlet	2"	2"
Operating Pressure (max.)	7 bar	7 bar
Head (max.)	70 m	70 m
Suction	6 m	6 m
Operating Temperature	-18 ~ +100 °C	-18 ~ +100 °C
Air Inlet	3/4"	3/4"
Particle Permeability	6 mm	6 mm
Weight	30 kg	32 kg

MATERIAL FEATURES	
Body	Polypropylene (PP)
	Aluminium
	Stainless Steel
	Nodular Cast Iron
Diaphragms	Santoprene
	Teflon
	EPDM
	Viton
	Buna-N
	Neoprene



MIT 8900 SERIES DIAPHRAGM PUMPS

MIT air diaphragm pumps are used in ceramic industry for transferring sludge and mold filling purpose. Beside this it can also be used at sealing sector with circulation and spraying purpose.



MIT 8900 (3") Metal Pump



MIT 8900 (3") Plastic Pump

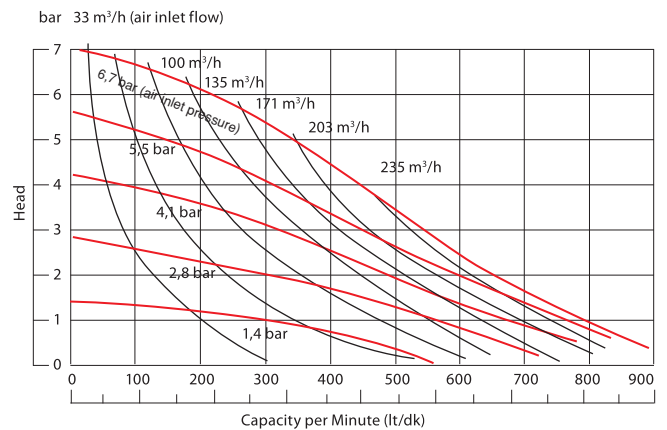
TECHNICAL FEATURES

	Plastic Body	Metal Body
Flow	400 l/min.	400 l/min.
Pump Inlet-Outlet	3"	3"
Operating Pressure (max.)	7 bar	7 bar
Head (max.)	70 m	70 m
Suction	6 m	6 m
Operating Temperature	-18 ~ +100 °C	-18 ~ +100 °C
Air Inlet	3/4"	3/4"
Particle Permeability	6 mm	6 mm
Weight	49 kg	51 kg

MATERIAL FEATURES

Body	Polypropylene (PP)
	Aluminium
	Stainless Steel
	Nodular Cast Iron
Diaphragms	Santoprene
	Teflon
	EPDM
	Viton
	Buna-N
	Neoprene

MIT 8900 (3") Plastic and Metal Pumps Performance Curve



MIT HJ SERIES DIAPHRAGM PUMPS

MIT HJ Series hygienic pumps are used in industries like food, pharmaceutical and cosmetics. Clamp type connection is used. 316 L stainless steel is used for frame material.

MIT HJ Series hygienic pumps does not thins the fluid its transferring and not effecting the chemical state of the fluid makes this pumps indispensable for transferring and storing milk, yogurt, cream, mustard, ketchup, mayo type of sensitive materials.

For transferring concentrated materials as chocolate, marmalade, air transfer pumps are suitable which are designed based on food regulations.



MATERIAL FEATURES

Body	SS 316 L
Diaphragms	Santoprene
	Teflon
	EPDM
	Neoprene

TECHNICAL FEATURES

Model	Flow (lt/dk)	Pump Inlet-Outlet (inch)	Operating Pressure (max.bar)	Head (max.m)	Sucking (m)	Operating Temperature °C	Air Inlet	Particle Permeabilit (mm)	Weight (kg)	
MIT HJ 550	3/4"	55	3/4"	7	70	6	-18 ~ +100	1/4"	3	6,5
MIT HJ 1500	1"	150	1"	7	70	6	-18 ~ +100	1/2"	4	12,0
MIT HJ 4000	1 1/2"	400	1 1/2"	7	70	6	-18 ~ +100	3/4"	6	26,0
MIT HJ 5600	2"	560	2"	7	70	6	-18 ~ +100	3/4"	6	31,0
MIT HJ 8900	3"	890	3"	7	70	6	-18 ~ +100	3/4"	8	65,0





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





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.

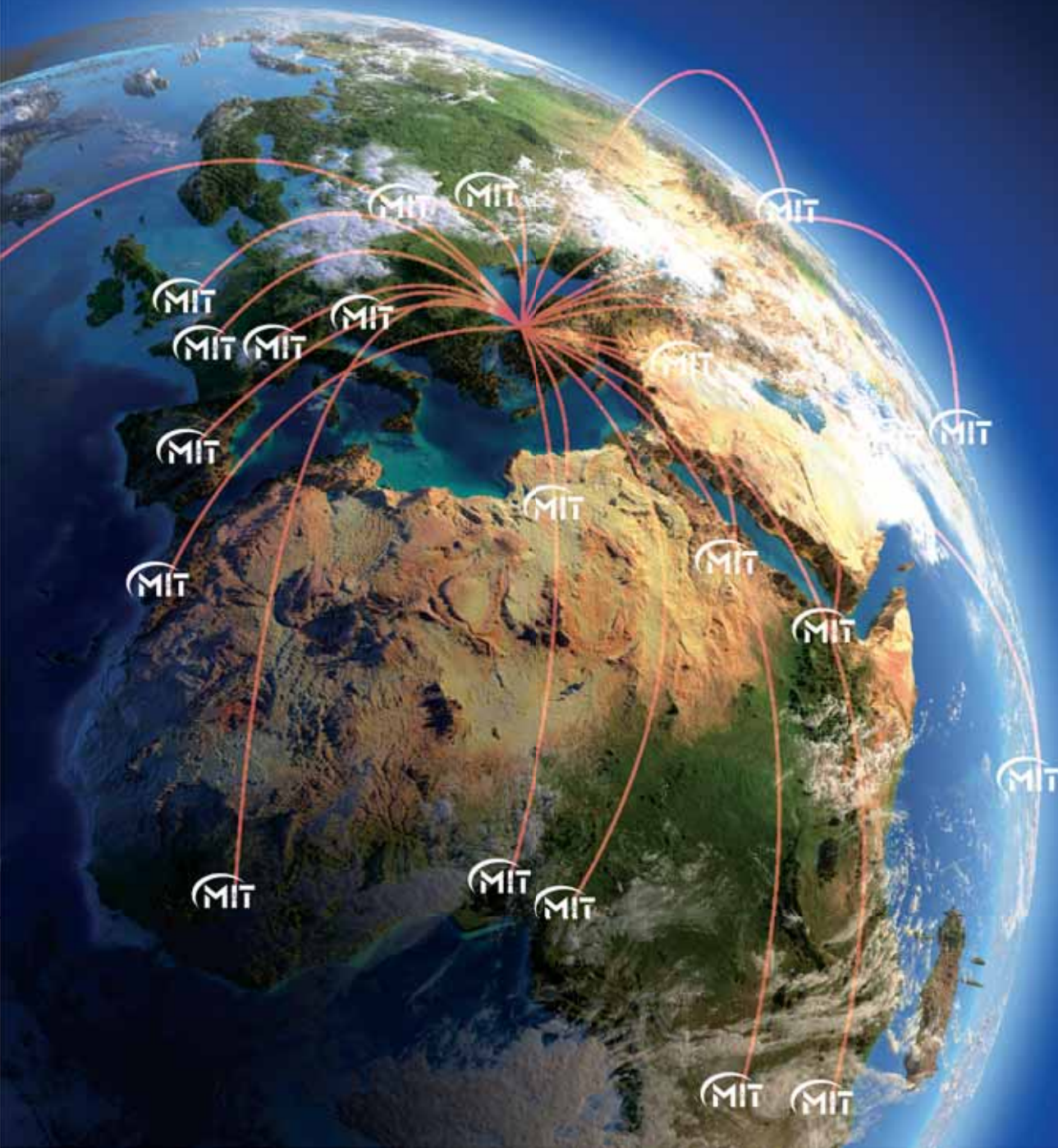


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Our products are produced with Turkish engineering technology in **135 countries** in the world today...





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