

CORPORATE INTRODUCTION



EN







A YEARLY CAPACITY OF **2 MILLION** ——— UNITS ———



In all its practices, Meklas adopts an innovative approach accompanied with developments in technology while enhancing its resources, and focuses on R&D activities and new designs to sustain its competitive edge globally.

THE INTEGRITY THAT BINDS PERFORMANCE AND POWER: **MEKLAS.**



Meklas began producing air springs in Bursa in 1986, and today, with over 35 years of experience, keeps producing air springs along with vibration absorbers for heavy vehicles and trailer manufacturers. It is also expanding its area of operations by producing air springs for machines, railway systems, light commercial vehicles, agricultural machineries and products for construction sector.

WITH ITS R&D CENTER, WHICH WAS THE FIRST EVER TO PRODUCE AIR SPRINGS IN TURKEY, MEKLAS IS FULLY CAPABLE OF DESIGNING, ANALYZING AND TESTING ITS PRODUCTS.



Meklas mainly operates in the key and subsidiary automotive industry sectors, along with agricultural machinery and vehicles, industrial applications, railway systems and construction applications sectors where air springs are utilized effectively; and is currently exporting over 1200 types of products to more than 80 countries in 5 continents, with production facility in Turkey and delivery channel in USA.

Today, Meklas has become an important partner for OEM's due to its products and designs which were developed together with heavy vehicle, equipment and system manufacturers;

and with its independent aftermarket distribution network, Meklas is currently handling the distribution of CONNECT AIR SPRINGS and AIR EXPERT AIR SPRINGS as well as private brands.

The company is also fulfilling customer services in 4 continents for after-sales services as well as pre-sale services.

Meklas carries out all its production with IATF 16949, ISO 9001, ISO 14001 and ISO 45001 quality standards, and produces highly-durable and long-lasting air springs for heavy vehicles, trucks, tractors, busses and trailers.

AS OF NOW, MEKLAS MOVES
ON THE COURSE TO BECOME A
GLOBAL BRAND THANKS TO ITS
SUSTAINABLE DEVELOPMENT
STRATEGY, VISION AND
MISSION.

VISION

To become a company that produces “global brands” through an administrative mentality that focuses on the culture of excellence.

MISSION

To constantly improve our resources in order to design and produce durable, long-lasting air springs and high technology composite products for transportation vehicles, industrial applications, and to support these with a global distribution network and after-sale services.

VALUES

WE TRUST EACH OTHER

We establish trust-based and ethical relationships with all our partners.



WE SUCCEED WITH OUR EMPLOYEES



We know that the basic requirement for perfect results is capable and happy employees, and we improve ourselves in this aspect. We appreciate each other and give correct feedback.

WE WORK FOR A SUSTAINABLE FUTURE



We don't forget about tomorrow while working for today; we reduce what we take from nature and we refurbish what we take from it.

WE ARE INNOVATIVE

We create success out of an idea with our knowledge and imagination.



WE ARE QUICK AND AGILE



We don't just say "it's not working" and give up, we quickly make decisions and try new methods.

WE PRODUCE VALUE FOR OUR CUSTOMERS

We produce today what our customers will need tomorrow.



WE SUSTAIN OUR PERFECT RESULTS



We enhance our results with our constant improvement culture. We show our results in numbers.





TURKEY

Export to more than
80 countries in 5 continents.

Meklas has production facility in Turkey, and to serve its customers faster and better, it also employs global distribution channel in USA.



Meklas Otomotiv

Meklas Otomotiv is located in Bursa Industrial Area, and it also encompasses the R&D Center. It has a yearly production capacity of 2.000.000 units.

The products that are manufactured in Meklas Automotive production facility:

- Complete Air Springs
- Service Assemblies
- Bellows
- Convoluted Air Springs
- Cabin Air Springs
- Seat Air Springs
- Air Suspension Systems for Industrial Applications





Meklas R&D Center

Meklas R&D Center is within Meklas Otomotiv located in Bursa Industrial Area. Starting its activities in 2016, Meklas R&D Center became the first R&D center in Turkey to ever produce air springs.

R&D Center has its own laboratories, test and design areas, and it has employees that consist of administrators, engineers and technician personnel.

Various researches are being conducted and innovative products and designs are being developed in the R&D center that works in collaboration with various institutions and organizations.

Mekpa NA INC.

Mekpa NA INC., established in Florida, USA, is a distribution center which rapidly supplies products for North and Central American regions, especially for Canada and USA. Mekpa NA INC. serves door-to-door logistical support for its customers, and provides them with advantages like ease of communication and the presence of a safety stock.





CONNECT AIR SPRINGS is the most prevalent Meklas brand in domestic and export markets, and has a distribution network in 60 countries in 5 continents; it has now become a global brand for aftermarket sales as well as for OEM's due to its high product quality.

With over 900 types of products, CONNECT AIR SPRINGS reaches its distribution areas in short times thanks to its high dynamic product stocks and rapid delivery capability.

- High quality
- Wide range of products
- Dynamic stock
- Availability





AIR EXPERT AIR SPRINGS conducts sales primarily to foreign markets along with local distribution centers; over 900 types of products are delivered by AIR EXPERT to heavy vehicle maintenance services in more than 20 countries.

- High quality
- Wide range of products
- Dynamic stock
- Availability

PRODUCTS

MEKLAS MAINLY OPERATES IN THE KEY AND SUBSIDIARY AUTOMOTIVE INDUSTRY, ALONG WITH AGRICULTURAL MACHINERY AND VEHICLES, INDUSTRIAL APPLICATIONS, RAILWAY SYSTEMS AND CONSTRUCTION APPLICATIONS WHERE AIR SPRINGS ARE UTILIZED EFFECTIVELY.

Service Assemblies



Complete Air Springs



Bellows



Convolved Air Springs



Cabin Air Springs



Seat Air Springs



Air Suspension Systems for Industrial Applications



Complete Air Springs



Complete air springs are suspension elements that are developed for trucks, tractors and trailers; they help the driver and the load get minimally effected by adverse conditions on the road, preserve the vehicle balance during loading conditions, and keep the road, product and passenger safeties at utmost levels through a balanced drive.

Complete air springs offer ease of use for trailer and truck type vehicles through functions like independent movement capability and variable

height adjustment to meet application requirements during loading and unloading.

Through balanced load distribution between axles and preservation of center of mass, degradation of highways and long-term road maintenance costs are minimized.

Nominal working ranges, natural frequency values and load capacities for the products vary with place of use on the vehicle.

- Air springs designed in Meklas R&D Center are produced under serial production conditions that are in accordance with IATF 16949.



Service Assemblies



Service assemblies are used in trucks, tractors and trailers to minimize adverse effects like bumps and loss of vehicle balance due to road conditions, and to ensure road safety through a balanced load. The service assemblies produced and sold under

Meklas brands are mainly sold as spare parts in refurbishment market; for their warranty conditions to be valid, they should replace a Meklas brand product or be mounted through mounting parts supplied by Meklas approved suppliers.

- Designed to ensure optimum balance conditions.



Bellows



Bellows are mainly preferred for busses and offer a comfort ride.

Used for their ability to set appropriate vehicle height for passengers to get in or out of the vehicle and for a comfort travel.

The bellows produced and sold under Meklas brands are mainly sold as spare parts in refurbishment market; in case they are used to replace a Meklas brand product or they are mounted through mounting parts supplied by Meklas approved suppliers, a compatibility between mounting parts are achieved and warranty conditions become valid.

- Ensures perfect travel through advanced technology.



Convoluted Air Springs



Convoluted air springs have various areas of utilization like lift-axle air springs or industrial applications. Convoluted air springs are generally used for lifting axles and preserve the tires when the vehicle is empty.

Aside from that, they are also utilized in industrial applications as pneumatic lift cylinders or suspension elements to absorb vibrations. These air springs are easy to mount and they last long.

- **Convolutet
Air Springs for
lifting axles
and industrial
applications.**



Cabin Air Springs



Seat air springs are used in heavy commercial vehicles to ensure the driver is less affected by the road conditions and to increase the driving comfort.

- Provides ergonomic advantages and reduces exposure of road conditions.



Seat Air Springs



Seat air springs are used in heavy commercial vehicles to ensure the driver is less affected by the road conditions and to increase the driving comfort.

- Enjoy the ride comfort with seat air springs.



Air Suspension Systems for Industrial Applications



Air suspension systems developed for industrial applications are mostly preferred in machines that cause high amounts of vibrations during work, and are suitable for many areas like textile and white appliances.

These air springs are developed with the aim of preventing bumps and vibrations, and display variations based on area of utilization.

● Dampens vibrations in industrial applications.



- The technology that fulfills high quality standards.



R&D Center

Meklas R&D Center contributes to the company's constant development, innovation and efficiency strategies through the sustainability of innovative and value-adding studies conducted.



Meklas R&D Center develops innovative products through its design, test and analysis capabilities, as it constantly invests into cutting-edge technology with a sustainable growth model strategy.

Meklas R&D Center stands out with its project-based product design capabilities, and it develops patented products and industrial designs through R&D, with resulting intellectual and industrial rights belonging to Meklas.



R&D Center Design Criteria

Through the laboratory environment contained within Meklas R&D Center, material and resource library of the company is ever expanded, sustainability of studies that help increase product quality is ensured, and collaborations with domestic and foreign academic institutions are established and developed. A research team that follows every development in the

sector closely contributes to the related scientific studies. Meklas protects the innovative products and systems it develops in regards to their intellectual and industrial rights. The rights to various designs it develops are reserved with industrial design registrations and all studies are conducted in collaboration with the Intellectual and Industrial Rights Unit within the R&D Center.

The development activities conducted in R&D Center also manage the production processes requested by OEM and independent aftermarket customers.



MEKLAS CONDUCTS
PRODUCTION WITH IATF 16949,
ISO 9001, ISO 14001 AND
ISO 45001 QUALITY STANDARDS
AND IS STRUCTURED AND
DOCUMENTED IN ACCORDANCE
WITH QUALITY MANAGEMENT
SYSTEM STANDARDS.

Quality

As Meklas is on the course to become “the excellent institution”, it has adopted EFQM excellence model. 5S technique is utilized in order to ensure a quality working environment and sustainability of the works. Meklas adopts the Kaizen approach in customer satisfaction and empowering competitiveness, and is always conducting process improvement activities.



Definition of quality by Meklas involves...

- To ensure customer satisfaction by meeting customer demands and expectations
- To minimize customers claims and to keep it at a minimum level
- To ensure constant development of awareness of all employees in Quality, Environment, and Occupational Health and Safety, and to consider constant training indispensable for the sense of responsibility
- To prevent contamination, injuries and health degradations, and to set targets for all management systems as a principle in order to constantly improve and enhance performance
- To abide by all the liable laws and other conditions
- To help our suppliers as they fulfill our expectations, to support them, to ensure their growth as we grow
- To employ the requirements of "ISO 14001:2004" in every stage of activities, and to conduct all activities in this context, so that we may leave a livable environment to future generations.
- To understand that Employee Health and Work Safety is our responsibility and to know that it is as important as our business goals



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