



eqsan
Leading Manufacturer of Eco-Friendly Exhaust Systems



TS 8646



WELCOME TO





is Leading Manufacturer of Exhaust Systems in Turkey

EGSAN Exhaust Industry and Trade Limited Company was established in 1989 in order to manufacture of exhaust system parts for Automotive industry. Our company is owner of modern factory with its 6.500 m² production area and headquarter is in Arnavutköy – Istanbul located. Since the beginning of foundation, EGSAN has continuously improved, always invested in the latest technology, factory and new products. Now, EGSAN is one of the leading companies and highly reputable brand in Turkey with its trusted quality and very wide range of exhaust systems.

EGSAN manufactures all parts and components related with Exhaust systems in own factory. EGSAN is ISO 9001:2008 Quality Management Systems certified by LRQA and holder of TS 8646 certificate (Turkish Standards for Exhaust Silencers and Pipes). All EGSAN operations; including manufacture and management are carried out under strict rules of National and in International Quality Standards. We have also started preliminary actions to obtain ISO/TS 16949:2002 Automotive Quality Certificate.

EGSAN is manufacturing and exporting following Exhaust system parts for Passenger Cars and light/heavy commercial vehicles.

- Exhaust Silencers
- Exhaust pipes (Inner and outlet Pipes, perforated pipes)
- Catalytic Convertors
- Flex Pipes
- Flexible bellows
- Clamps, hangers and Brackets
- Flanges
- Caps (inner and outer)
- Vibration isolators
- Air and water pipes for Radiators
- Air intake Pipes
- Chassis Pipes
- Other Exhaust Parts and Components



is Professional Manufacturer of Exhaust Systems for OEMs

As a reliable supplier, EGSAN proudly serves and meets satisfactorily all requirements and specifications of Global OEMs (Original Equipment Manufacturers) owing to large production capacity with high-tech machinery and equipments; including CNC programmed pipe bending machines, high capacity presses and modern workbenches. In EGSAN facility, new products demands in required specification of customer are regarded with utmost care by talented engineers, all moulds and tools are designed (thinkdesign) and developed by using CAD/CAM programmes in R & D department, prototype products are made in Mould House, and started mass producing after having customer's control and approval. Products are subjected to strict and continuous quality controls and conformance tests.



is Supplier of OE quality Exhaust Systems to Automotive Aftermarket

Since the foundation, EGSAN has been manufacturing and providing Automotive Aftermarket with Original Equipment quality, integrally-moulded exhaust silencers, exhaust pipes and exhaust parts and components. EGSAN is highly reputable and well-known brand name with its proven quality for 25 years.

EGSAN Superior Quality products at Competitive Prices have always met customers satisfaction, and therefore, EGSAN Branded products became highly recommended in the Automotive Aftermarket.

EGSAN customers are very happy with EGSAN quality, before and after sales services, and moreover widest range of exhaust system parts availability

CORPORATE PROFILE

Company name : Egsan Egzoz Sanayi ve Ticaret Limited Şirketi

Year of foundation : 1989

Registered trade mark : Egsan

Business : Professional manufacture and export of Exhaust parts for Passenger Cars and Light/heavy commercial Vehicles

Products presence : Egsan Products are widely sold throughout in Turkey

Market Position : Strong market share in domestic Market with its trusted quality and reputable brand

Distribution : Widest network by own Trucks and Heavy vehicles periodic deliveries to all parts of Turkey

- **Registered Organisations and authorities**

Member of Uludag Exporters Unions registration No : 11702

Member of Istanbul Chambers of Commerce registration No : 274954-222536

Member of Istanbul Chamber of Industry registration No : 0018521

- **PRODUCTION**

Factory : Egsan own factory 6.500 m2 production area

Production : Exhaust parts Production in International Standards

Main Products and Services : Manufacture and export of Exhaust system Parts for all brand of vehicles

Product Variety : Wide range of exhaust systems applied to more than 1500 different Vehicle Brand and model.

In - house Production : % 100 of Full Business

Production Capacity : 20.000 silencers monthly

- **Machinery and Equipment : CNC programmed Pipe Mending Machines**

High capacity Presses

Welding automation equipments

Workbenches

Moulding machinery and equipments

Other high – tech machinery and equipment

- **Certificates : ISO 9001: 2008 Quality Management Certificate**

TS 8646 Turkish Standard for Motor vehicle Exhaust Pipes and Silencers

(Not: We started certification process to obtain ISO/TS 16949:2002 certificate)

- **RESEARCH AND DEVELOPMENT**

Modern Laboratory

Design Programs (thinkdesign)

Updated CAD/CAM Programs

A-state-of-the-art Moulding Unit (Continuously New product development and prototypes production)

Customer Profile : 1 - OEM customers : Automotive manufactures in Turkey and abroad

2- Aftermarket customers : Importers, wholesalers, Authorized dealers, Spare Parts retailers.

Mission

Being well conscious of vital importance of human health and clean environment and also complying strictly with International standards international standards Egsan is paying utmost attention on manufacturing eco-friendly exhaust systems with the ultimate gas eliminating function

Vision

Paralleling with market leadership in domestic market, Egsan is aiming to be exhaust system supplier of Global Automotive industries, light/heavy vehicle Manufacturers.

Values

Putting the customer first * Integrity * Environment friendly products
Social responsibility * Teamwork * Excellence

Quality Commitments

Original Equipment Quality * Min. 2 years Product warranty * Impermeability
Silent performance * Eco-friendly Products * Conformity with International Standards

egsan PRODUCTS

Egsan is manufacturing and exporting Exhaust System Parts for passenger cars and Light/heavy commercial vehicles in OE quality .Owing to enabling technology and highly qualified workforce, EGSAN has been designing, developing and manufacturing **tailor made** and **direct-fit exhaust systems** in all specifications and dimensions. All Egsan Company operations are based on Quality Management principles of ISO 9001:2008 and ISO/TS 16969 (newly started). Egsan production is carried out strictly in accordance with related Turkish and EU regulations.

PASSENGER CARS, LIGHT AND HEAVY COMMERCIAL VEHICLES

Renault	BMW	AUDI	Honda
Alfa	Anadol	Bedford	BMC
Chevrolet	Chrysler	Citroen	Land Rover
Dacia	Daewoo	Dodge	Magirus
Man	Mazda	Proton	Seat
Tata	Mitsubishi	Mercedes	Nissan
Flat	Ford	Hino	Hyundai
Opel	Isuzu	Iveco	KIA
Lada	Peugeot	Rover	Skoda
Suzuki	Tofas - Flat	Toyota	Universal
Volkswagen	AND OTHER VEHICLE BRANDS • VE DİĞER ARAÇ MARKALARI		



SILENCERS

CATALYTIC CONVERTORS



HEADERS and MANIFOLDS



PIPES AND FLEXIBLE PIPES





QUALITY ASSURANCE SYSTEM

- **RAW MATERIAL : HIGH QUALITY ALUMINIZED STEEL SHEET**

1. Size and gauge of Aluminium Coating in OE spec's

2. Impermeable

3. Resistance to external shocks

4. Sufficient functional **flexibility** to avoid laceration, perforation, wear and tear both during production process and driving

5. Moisture-resistant and resistant to Extreme temperature changes and climate changes inside and out of exhaust system

6. Resistant to corrosions

7. Fiber Glass wool is uniform with Original Equipment, in same density and quantity. It is free of moisture.

8. Silencer inner and outer caps are made of hit resistant raw materials

9. Number of holes on perforated pipes is same with Original Equipment

- **OTHER CHARACTERISTICS OF EGSAN EXHAUST SYSTEMS**

10. Display : Entirely in original Equipment Shape

11. **Durability** : Longer driving performance, with min. 2 years warranty

12. Silence: Silent Driving performance with effective noise-absorbing function

13. Environmentally friend products by means of by best Catalytic converters that remove pollution

14. Conveys burned gases from engine to in fast and comfortable way with high Driving Performance

15. Increased engine torque and economic fuel consumption by efficient back pressure.

16. Minimum level Welding is applied to Egsan Products with lap-joint welding system only upon requirement. This assures longer period of usage
17. Welding cable is made of hit resistant quality raw material
18. A state-of-the-art machineries and workbenches are being utilized for perfect production
19. Highly-qualified and talented operators in Production who do not tolerate any faulty production
20. Quality controls and Tests are strictly carried out in every stage of production. ISO 9001 Quality Management systems are fully implemented in factory. Required Product Quality is 100 % assured by defect-correction and defect prevention processes in factory.
21. High quality components are used in exhaust systems that all manufactured in Egsan factory; claps, flanges, nuts, rings, hangers, mountings, pins.
22. Exhaust components and other exhaust mounts are direct-fit, integrally moulded and full fitting. This features assures impermeability and long durability of exhaust system.
23. High quality Catalytic Converters are used in production that has strong pollution filtering/removing function and noise absorbing/silencing function.
24. All raw materials used in EGSAN factory is in full conformity with following Standards

EXHAUST PARTS	USED RAW MATERIAL	RAW MATERIAL STANDARD	
EXHAUST PIPES - ALL KIND	Seamed steel Pipe (For general purposes)	TS 416	EN 10154:1996 DX54D
SILENCER BODY, INNER AND OUTER CAPS	Cold rolled Steel sheet	TS 3812	EN 10154:1996 DX54D EN 1034-2009
CLAMPS AND HANGERS	Unalloyed Steel Sheet and strip	TS 3813	
NOISE ABSORBER	Fiber Glass wool		
HEAT INSULATION MATERIALS	Basalt Fiber Sheet or Steel mesh		
SEALING ELEMENTS	Asbestos Plate	TS 2241	

25.	Emission values of EGSAN Exhaust Systems are in full conformity with National and European Standards and Regulations
26.	Noise levels of EGSAN Exhaust Systems are in full conformity with National and European Standards and Regulations

• **EGSAN PRODUCTION POLICY** : ECO-FRIENDLY PRODUCTS AND ENVIRONMENTAL PROTECTION

EGSAN has been producing high performance and long durable exhaust parts to Automotive sector for decades. All EGSAN products are environmental friendly, designed and developed with the purpose of with the purpose of human health, climate protection and energy efficiency in conformity with compulsory standards national and International standards.

Air pollution is one of major factor of climate change and global warming in recent decades which negatively affects human health and environment. Our approach to this issue in terms of our sector; we have to fulfil our responsibility by producing eco-friendly exhaust systems. Giving maximal importance to this subject, we are producing Exhaust system parts in strict accordance with Turkish and EU emission regulations that define the acceptable limits for exhaust emissions.

• **EGSAN QUALITY CONTROL METHODS IN PRODUCTION STAGES**

<u>CONTROL METHOD</u>	<u>DESCRIPTION</u>
A) RAW MATERIAL CONTROL	1- TURKISH STANDARDS: TS-416, TS-3812, TS-3813, TS-2241 2- INTERNATIONAL STANDARDS: EN10154: 1996 DX54D, EN 1034-2009

B) VISUAL CONTROL

- 1- GENERAL CHARACTERISTICS
- 2- CONSTRUCTION PROPERTIES
- 3- PACKAGING AND LABELLING

C) TENSILE TEST

- 1- MATERIAL PROPERTIES

D) SEALING TEST

- 1- FOR EXHAUST PIPES
- 2- FOR SILENCERS

E) NOISE LEVEL TEST

- 1- TURKISH MOTOR VEHICLE NOISE EMISSION REGULATION
- 2- EU MOTOR VEHICLE NOISE REGULATION

F) EMISSION TEST

- 1- EXHAUST GAS EMISSION CONTROL REGULATION
- 2- EU EMISSION STANDARDS


G) DIMENSIONAL TEST

- 1- DIMENSIONS TS - 8646
- 2- WEIGHTS
- 3- SHAPE (INNER AND OUTER)




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