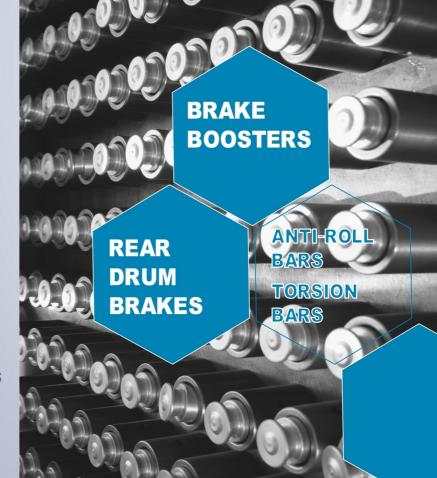


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IDAJENGINEERINGINC.



IDAJ Engineering Inc. as a private company was founded in 1992. The first company's products were Anti-Roll Bars for SAIPA Renault 5 and Leaf Spring Supports for Nissan Junior. Gradually expanding the capacity and diversity of products, IDAJ became the main IKCo supplier of torsion bars and anti-roll bars. Currently, IDAJ, also supplies rear drum brakes and brake boosters to IKCo.

The premium quality and reliability of produced parts have been the first and foremost IDAJ's goals. Hence, the company use VOC as its most important input data to continuously improve its products. Achieving this important mission, IDAJ has key values naming creativity, Safety, working hard, respecting ethics, training, and improving work environment.



HISTORY

- 1992 IDAJ FOUNDED; PRIMARY WORKSHOP 150 m²; BASED IN MARD-ABAD, KARAJ
- 1993 PREPARING A PRODUCTION SHOP OF 1000 m²
 PRODUCING ANTI-ROLL BARS FOR SAIPA RENAULT 5
 PRODUCING LEAF SPRING SUPPORTS FOR SAIPA NISSAN JUNIOR
- 1994 PRODUCTION OF ANTI-ROLL BARS FOR IKCO PEYKAN
 PRODUCTION OF ANTI-ROLL BARS FOR IKCO PEUGEOT 405
 PRODUCTION OF ANTI-ROLL BARS FOR IKCO MERCEDES BENZ MINIBUS
 PRODUCTION OF ANTI-ROLL BARS FOR PARS KHODRO NISSAN PATROL
- 1997 ESTABLISHING A NEW FACTORY IS SHAHR-E QODS IN A LAND OF 3000 m² WITH 1950 m² PRODUCTION AND OFFICE AREA MOVING FROM OLD FACTORY TO NEW ONE (7 MONTHS AFTER START OF CONSTRUCTION OF NEW FACTORY)
- 1999 PRODUCTION OF TORSION BARS FOR P405, P206
- 2003 PRODUCTION OF TORSION BARS & ANTI-ROLL BARS FOR IKCO SAMAND
- 2004 EXPANDING FACTORY AREA FROM 3000 m² TO 7000 m²
- 2007 PRODUCING ANTI-ROLL BARS FOR RENAULT PARS TONDAR 90 (LOGAN)
- 2010 PRODUCING REAR DRUM BRAKE 9" FOR P405 & SAMAND
- 2012 STABLISHING PLANT 2 (IDAJ II) WITH A LAND AREA OF 8200 m² AND SALOON AREA OF 2200 m²
- 2015 PRODUCING BRAKE BOOSTER 9" FOR P405









HUMAN RESOURCE

IDAJ has considered its human resources as the most important factor of its success. Top universities graduates with professional experience are recruited to take the top positions of the company. Also, based on the job description, capable workers are employed and then trained well for their assigned duties. All operators are trained to be able to work in the production line.

The training consists both technical and safety matters. The training is not limited to workers only; but also it includes all employees and managers. It is also not a one-time activity in IDAJ, it is renewed periodically to upgrade and adapt people with new technologies, advancements and knowledge with the help of professional Iranian and European experts. Consequently, IDAJ has succeeded to provide the training and an appropriate motivating environment for employees to improve its processes.

Workplace safety and the health of employees are other great concerns of IDAJ. While safety matters are tried to be considered in machines, instructions, procedures, work flows, and etc. IDAJ's employees are subjected to annually health tests.







The vision of Quality Management is to ensure the company's products have been built in sound and sustainable quality management functions that are guided by best practices.

The mission of Quality Management is to maintain a high level of customer satisfaction through continuous assurance and improvements of products by developing, documenting and maintaining a comprehensive quality management program.

04



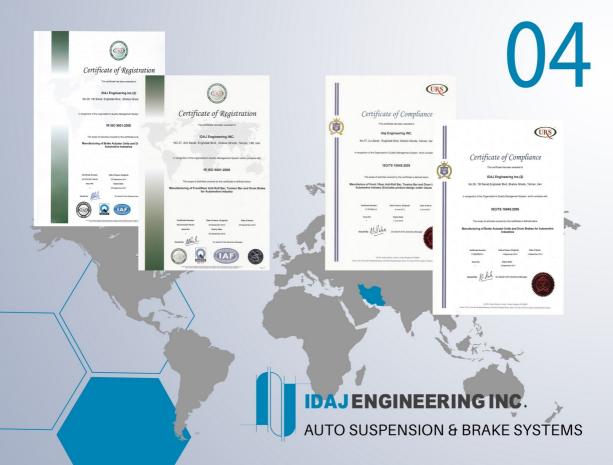




Actually, everyone in IDAJ is responsible for the quality of products. Quality Planning identifies which standards are relevant and how to satisfy them (design, analysis, benchmarking). Quality Assurance activities ensure that IDAJ will have all processes needed to meet requirements (example: quality audits). Quality Control ensures that quality standards which are defined in quality plan are being met.

Due to deploying Quality Management within the company, IDAJ has succeeded to achieve score 99 of 100 from SAPCo and produces almost zero defect parts (ppm of rejected parts \approx 0).

Quality system within the company is certified and assessed, not only by the customers (SAPCo, RENAULT, SAZEH GOSTAR...) but also by credible third party certification bodies. Thus IDAJ has honored to obtain ISO TS 16949: 2015, ISO 9001: 2008, SAPCo's Grade A, and SAZEH GOSTAR's grade B, certifications.



2015
Renault Iran
Supplier

Gathering

We would like to thank

IDAJ Engineering Inc.

For the outstanding performance of the quality of parts & supply

Eric LEGRAND



GROUPE RENAULT





Certification of the Quality Management System

Tehran, 02.03.2010 Number: 324-10/0174

The Idaj Engineering Co. instructed the Certification Body of TÜV NORD their quality management system to check the compliance with the re ISO 9001:2008 in the scope of

"Manufacturing of Front and Rear Anti Roll Bar, Togeth Manufacturing of Torsion Bar for all Light and Heavy Ve

The objective is the award of the related TÜV NORD CERT certificate The certification audit was performed successfully from 12.12.2009 to the company

The Certification Audit was performed successfully in the company. The audit team has decided unanimously to recommend issuance of Number: 324-10/0173 by the head of certification body of TÜV NORD CERT GmbH.

Dr. Kamran REZAIE

Managing Director & Member of Board

Certification of the Quality Management System

Tehran, 02.03.2010

The Idaj Engineering Co. instructed the Certification Body of TÜV NORD CERT to requirements of ISO/TS 16949;2009 in the scope of:

"Manufacturing of Front and Rear Anti Roll Bar, Together with Manufacturing of Torsion Bar for all Light and Heavy Vehicles'

The objective is the award of the related TÜV NORD CERT certificate The certification audit was performed successfully from 12.12.2009 to 14.12.2009 in the company.

The audit team has decided unanimously to recommend issuance of the certificate by the head of certification body of TÜV NORD CERT GmbH.

The certificate will be issued after approving of audit procedure by Veto Person

Managing Director & Member of Board









IDAJ ENGINEERING INC.

AUTO SUSPENSION & BRAKE SYSTEMS



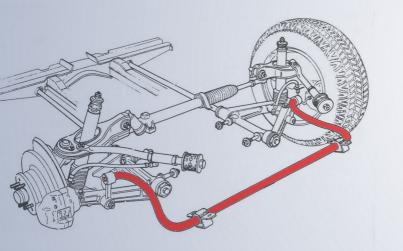
R&D AND ENGINEERING

Nowadays, R&D is a crucial factor of companies' survival. Since, developing new products and procedures, and creating new technologies can guarantee a sustainable growth. IDAJ always allocates a percentage of its revenue for R&D. Hence, It has been able to improve the quality of its products, decrease its costs, and consequently realize its customer satisfaction.

years experience has empowered IDAJ to develop, 23 design, and produce various types and sizes of Torsion and Anti-Roll bars as well as brake system components such as Brake Callipers, Drum Brakes, Brake Boosters, and Master Cylinders according and beyond its customer requirements.

Investing on human resources, software, machines, and facilities, IDAJ has been able to design, model, analyse, and test all components and products during the development phase. Validation and verification of products are performed by IDAJ's test facilities and by external certified laboratories in a few case.







R&D AND ENGINEERING

An engineering vision governs almost all activities within the company. In fact, it includes design, products, quality, process, manufacturing tests, safety, and so on. Hence, concerning PDCA loop, it should be alive, and requires changes.

Like most of advanced companies, IDAJ uses concurrent engineering (interactive engineering) approach to parallelise different tasks in connection with development of new products. This approach needs integration of various fields of engineering activities like design, manufacturing, quality, and etc. So it requires close relation and communication among all managers, employees and departments within the company. Applying this approach, IDAJ is able to minimise development and manufacturing lead time and hence to reduce the costs.

IDAJENGINEERINGINC.

SOFTWARE FOR MODELING AND ANALYSIS:

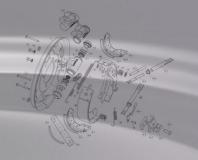












MAPLE

ANSYS

CATIA

AUTOCAD

MSC.ADAMS











CUSTOMERS & PRODUCTS

IKCo, SAIPA, Pars Khodro and Renault Pars are IDAJ's main customers. IDAJ supplies Torsion bars and Anti-Roll bars for most of Iranian cars with superior quality according to world's standards. Currently, IDAJ makes Rear Drum Brakes and Brake Boosters for P405, Samand and supplies them to IKCo.

IDAJ is also ready to make Anti-Roll bars, Torsion Bars and Drum Brakes for almost all vehicles, and able to export them to the global market.





IDAJPRODUCTS FOR VEHICLES ARE:

P405: Anti-Roll Bar, Torsion Bar & Brake Booster Samand: Anti-Roll Bar, Torsion Bar & Rear Drum Brake

P206: Torsion bar

Pride: Anti-Roll Bar

Tiba: Anti-Roll Bar

Xantia: Anti-Roll Bar

Logan (L90): Anti-Roll Bar

Renault R5: Anti-Roll Bar (Phased out)

MB Minibus: Anti-Roll Bar (Phased out)

Nissan Jr: Torsion Bar Spring Support

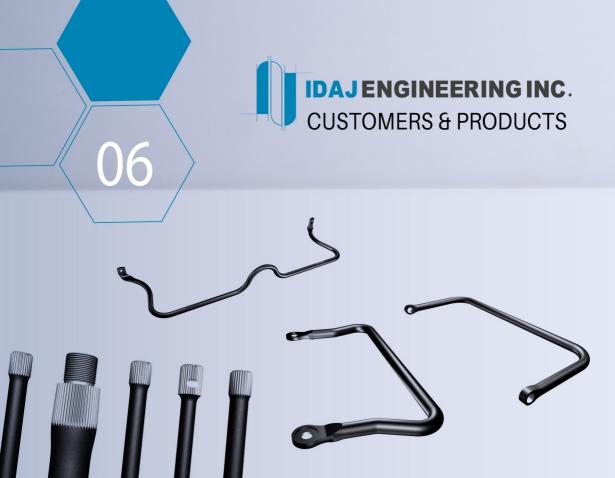
Nissan Patrol: Anti-Roll Bar

104 IDAJ ENGINEERING INC. CUSTOMERS & PRODUCTS





















CUSTOMERS & PRODUCTS















PRODUCTION

Having two vast production plants (7,000 m² + 8,200 m²) with adequate shop areas (more than 4,000 m²), IDAJ is capable to produce more than 2,000,000 pieces of Torsion bars & Anti-Roll bars, 300,000 units of Rear Drum Brakes and 180,000 units of Brake Boosters and Master Cylinders, annually. This capacity has been obtained through using modern manufacturing facilities as well as well trained and professional human resources.

All different production shops such as Press Shop, Heat treatment Shop, Machining Shops, Assembly Shops, Paint Shop, and so on are fully equipped with modern machines. An enhanced Preventive and Predictive Maintenance system is well in place to maintain equipment and facilities at their best efficiency. Besides, IDAJ continuously improves production methods, processes, machines, facilities, working environment, and its employees' safety and knowledge.

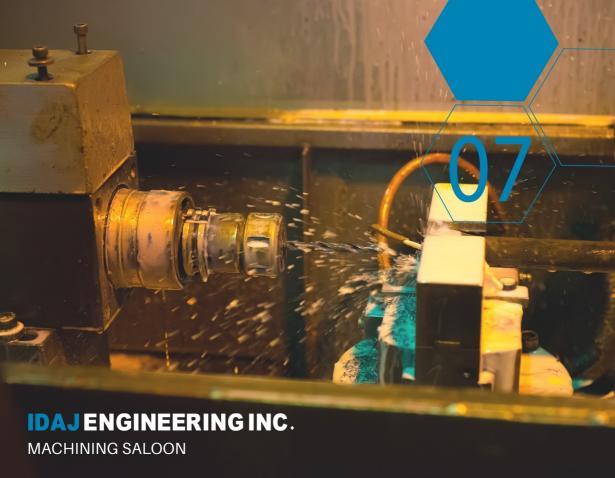
Since, producing best quality products is IDAJ's main target; all products are checked for quality and traceability not only in between manufacturing stages but also prior delivering to customers. Using test machines, gauges, checking fixtures, and instruments which are calibrated on a regular basis according to calibration plans as well as applying accurate control plans, IDAJ produce high quality products.

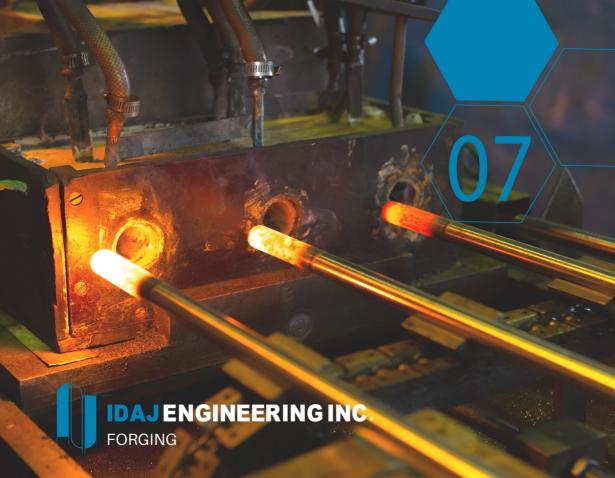




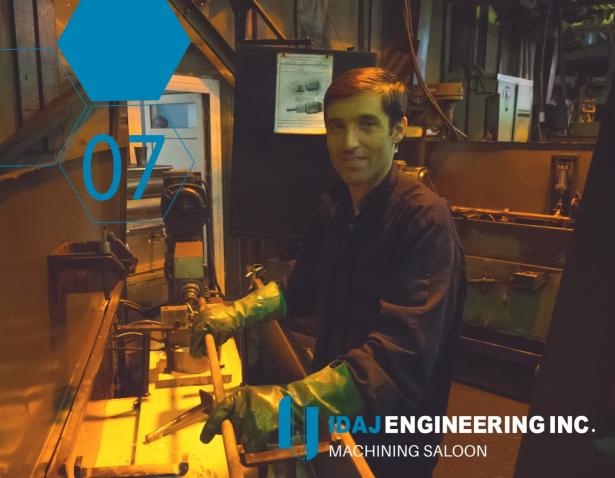












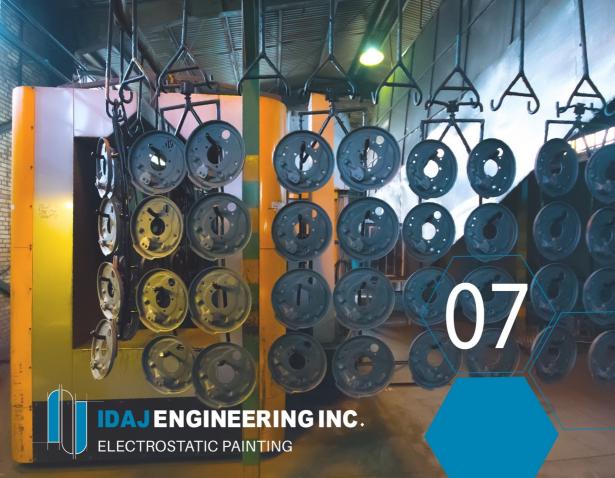




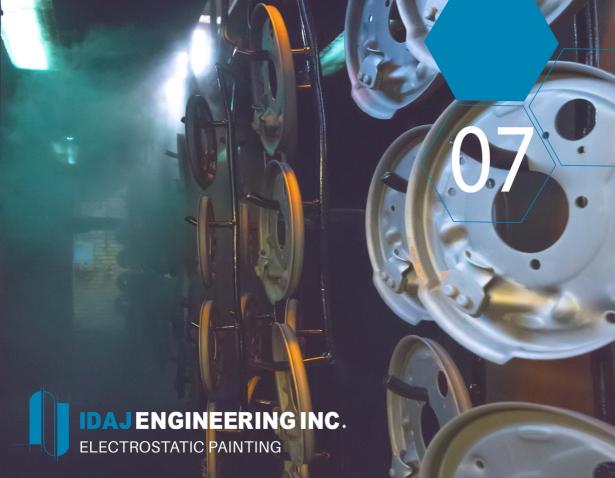






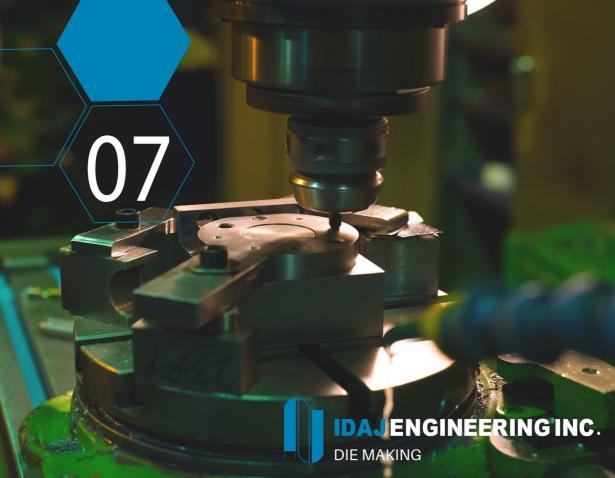






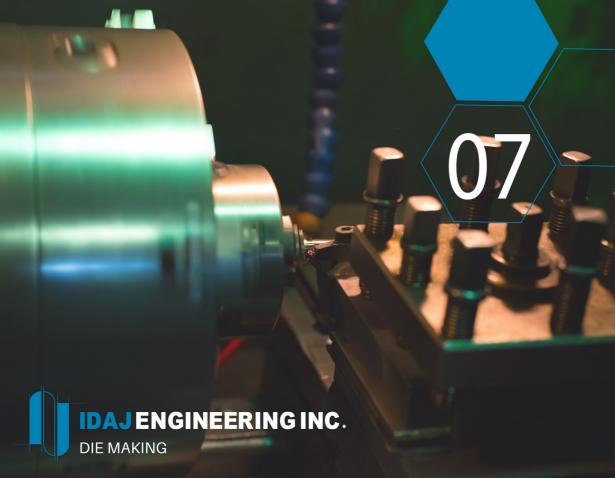
















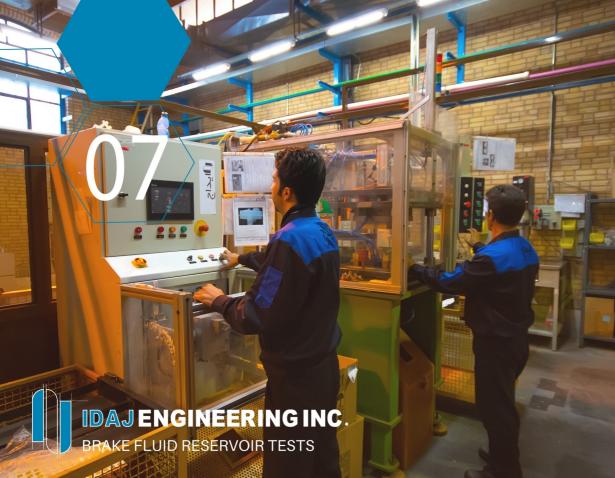


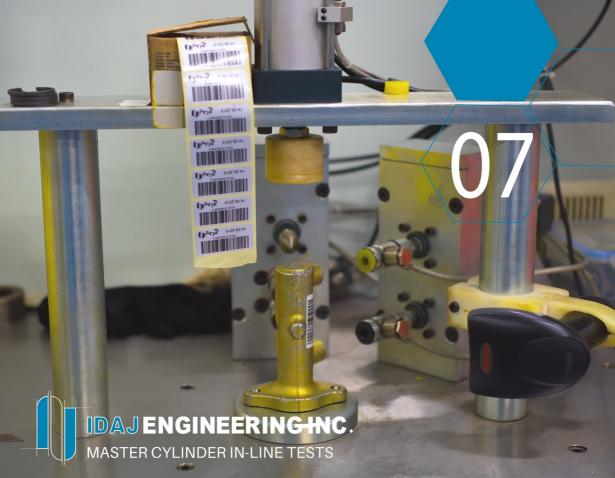
















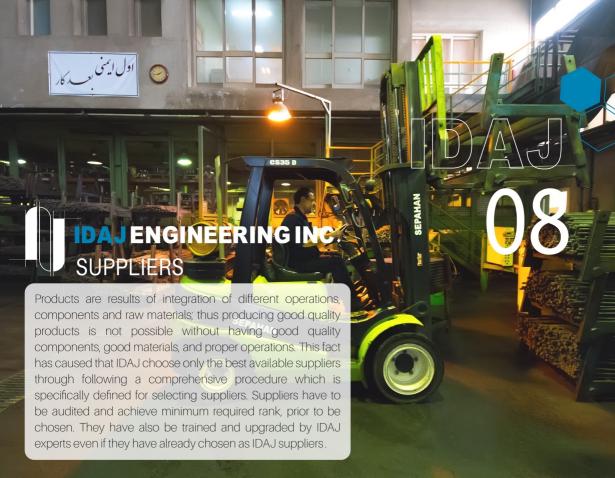






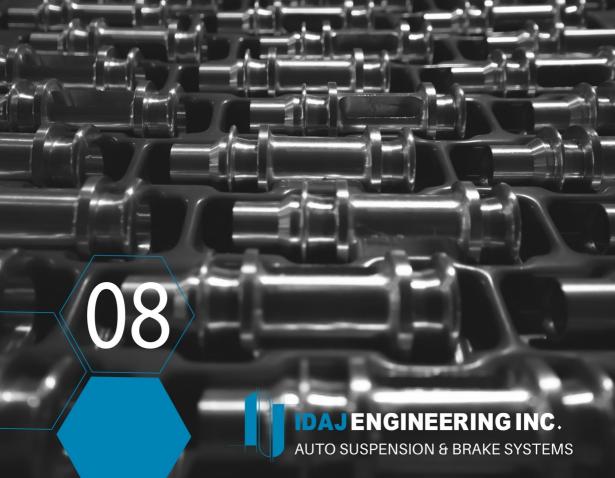
















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