



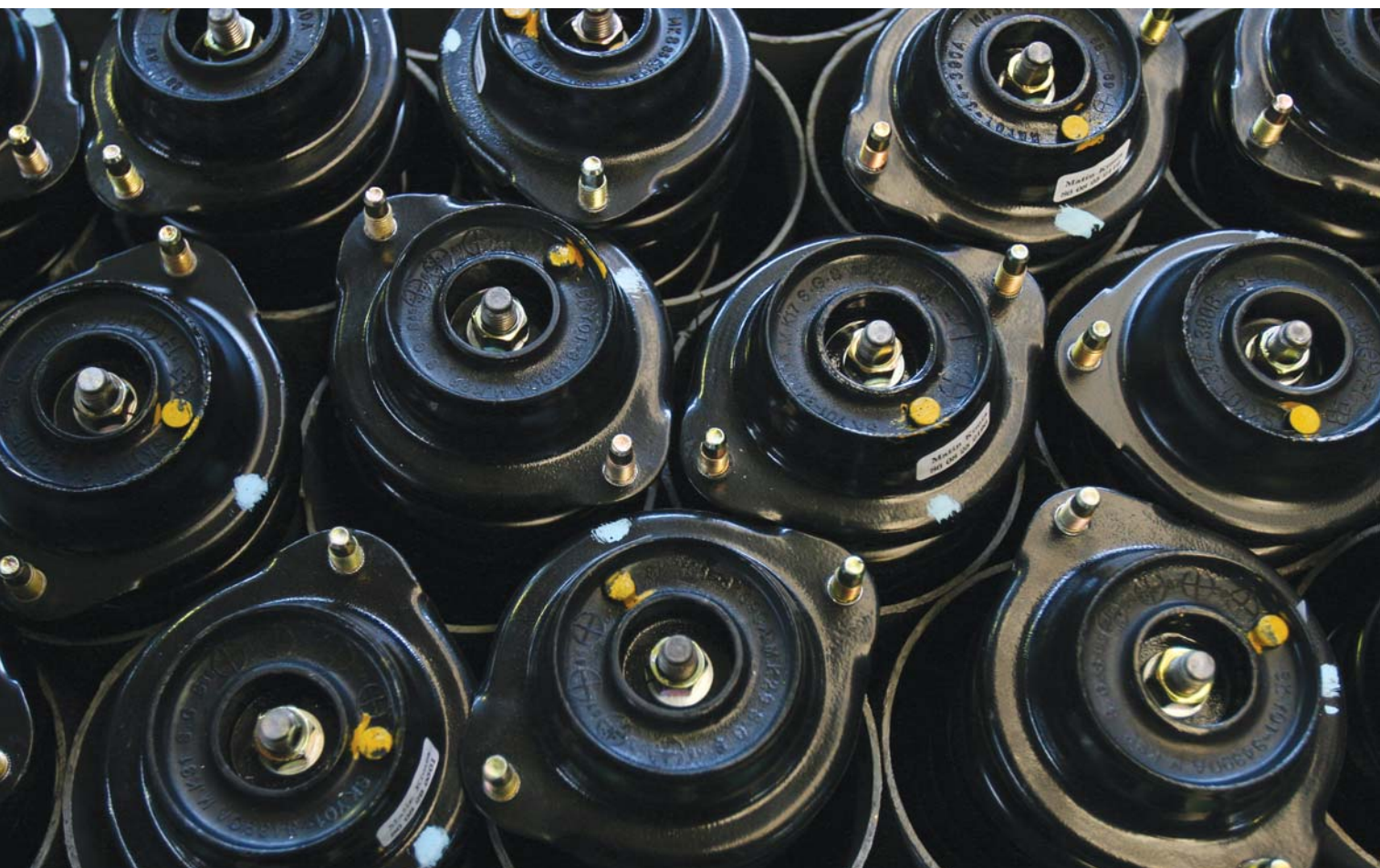


## History

Indamin SAIPA Shock Absorber MFG. Company, with 16720 square meter area, is the first manufacturing factory in Iran producing shock absorbers for different types of heavy and light vehicles. It was founded in 1970 and started working in 1976.

Having signed the contract with Armstrong Company, Indamin SAIPA started to acquire necessary technical knowledge for industrial activities by installing machineries under the supervision of Armstrong Company. After achieving all necessary technical knowledge and experiences and cooperating with reputable foreign companies, Indamin Saipa started to manufacture different types of shock absorbers based on the customer's order and different standards.





## Product Control

Inspecting and controlling the manufactured products in IndaminSaipa are done by the Quality Control Department with its subunits including "Process and Received Parts Control", "Final Control" and "After Sales Services Quality Control" and by measuring shock absorbers' specifications and doing Performance and Durability Tests in the laboratories.

The experienced experts in the Quality Control Department check all parts received from different suppliers according to the available map and control plan. They have also direct supervision on the production process by their continuous presence in the suppliers' factories.

Product and process audits and calibration of the suppliers' tools and gauge are also done by the experts of this department and with the cooperation of the suppliers' Quality Control Department. This department uses various fixtures and gauge in order to control the parts precisely. In the Process Control Unit, damping tests at different speeds are done for all shock absorbers by graph devices which have been approved by SazeGostar Company. Further, the competent technical experts in Final Control and After Sales Services Control Units, who are always present in SaipaYadak central agencies, collect the consumers' feedbacks regarding the quality of products and consider them in order to increase the quality of products and customer satisfaction.



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SAIPA  
AUTOMOTIVE  
GROUP



## Laboratory

IndaminSAIPA Co. has achieved for testing different types of shock absorbers from Institute of Standards and Industrial Research of Iran. The well-equipped Laboratory units are able to do 3D measurements for CMM and VCM parts and roughness test, hardness test, thickness test of different layers of paint and chromium, shock absorber noise test, mechanical tests for metals, salt spray test, chemicals and rubber test, calibration of different measurement tools, and damping test.

Devices used for durability tests have National Standard, KES Standard of Korea, and MES Standard of Japan.

For the time being, implementing the requirements for ISO/IEC 17025 Standard is being done in the laboratory.



## CERTIFICATES

IndaminSAIPA Co. achieved ISO 9002:94 from SGS Company in 1998 and this certificate was extended in 2002 based on the standards of ISO 9001:2000 by TUV SAARLAND and SGS companies.

In 2002, IndaminSAIPA Co. achieved ISO/TS16949:2002 from MIC Co. which has been approved and extended for a period of ten years.

After that in 2012, DQS Co. approved that the quality management system of IndaminSAIPA MFG. Co. is quite based on the standard requirements of ISO 9001:2008 and ISO/TS 16949:2009.



### Different Types of Indamin SAIPA Shock Absorbers

The most common types of shock absorbers produced by IndaminSAIPA for different standard vehicles can be classified into two groups:

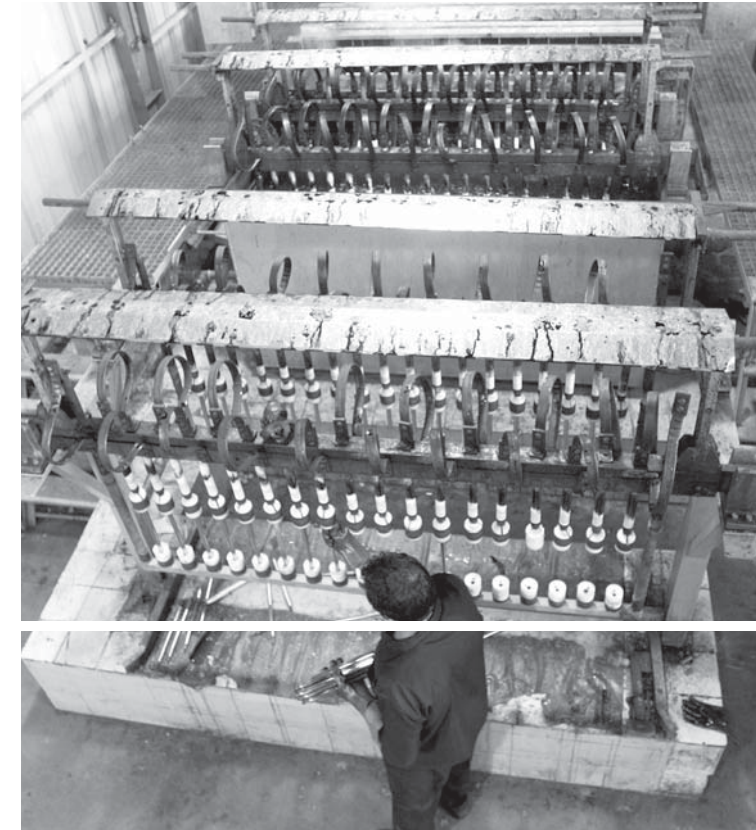
- Oil Twin Tube Shock Absorber

- Gas-oil shock absorber which is classified into two Single Tube and Twin Tube groups.



### Twin Tube Oil Shock Absorber

Twin tube oil shock absorber which is also called Telescopic shock absorber consists of two tubes and two valves one of which is fixed and called foot valve and another is moving and called piston.



### Twin Tube Gas-Oil Shock Absorber

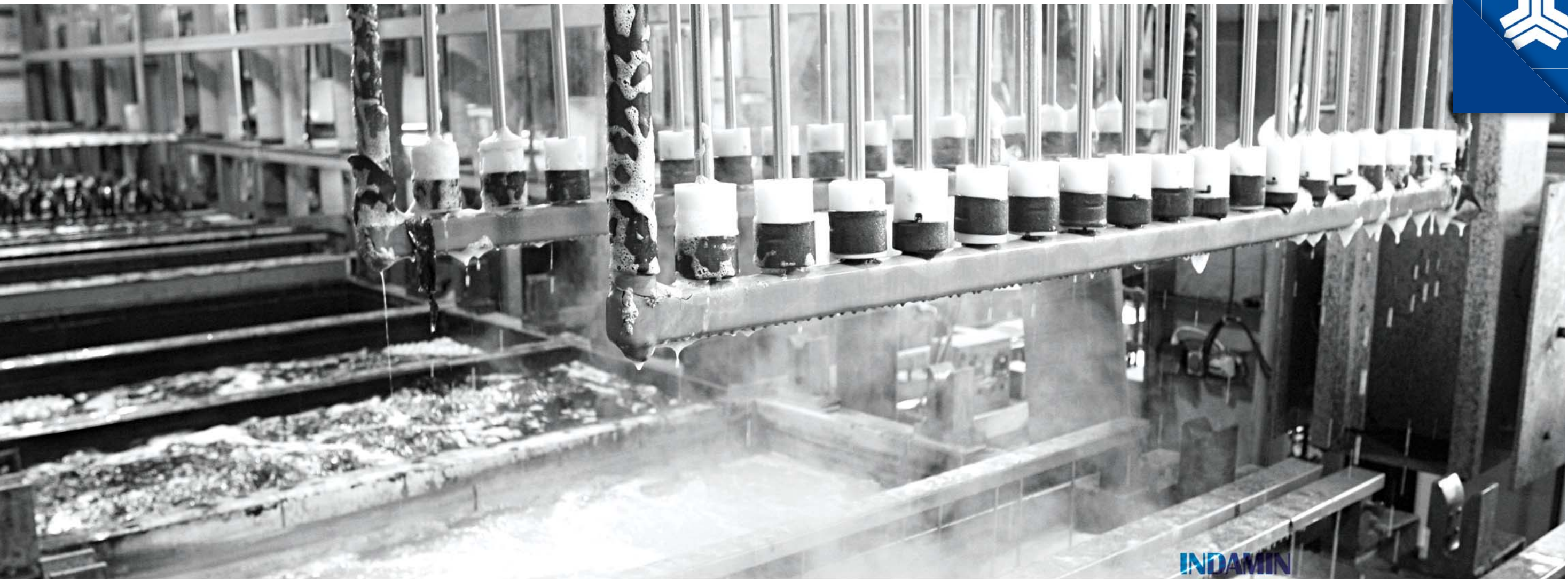
The performance of twin tube gas-oil shock absorber which is also called Gasmatic shock absorber is basically similar to gas and twin tube shock absorbers. The only difference is that by making some differences in seal assembly parts, it is possible to inject gas into this type of shock absorber.



### Indamin SAIPA Products

Item Description	no
Tiba and Rio front shock absorber	1
Tiba rear shock absorber	2
Rio rear shock absorber	3
Pride Saba front shock absorber	4
Pride Saba rear shock absorber	5
Pride Saba rear shock absorber (CNG)	6
Pride (111) front shock absorber	7
Pride (111) rear shock absorber	8
Nissan front shock absorber	9
Nissan rear shock absorber	10
Tondar90 front shock absorber	11
Tondar90 rear shock absorber	12
Roa-RD-Peykan rear shock absorber	13
Roa-RD-Peykan front shock absorber	14
shock absorber for the back of Benz Cabin	15
Train Rock Shock absorber	16
Train Small Shock absorber	17
Benz Truck front shock absorber	18









**Address:** Km 14 LASHGARI EXP (Jadeh  
Makhsos Karaj). Tehran-Iran

**Tel:** +9821 44196701

**Fax:** +9821 44196704

**Email:** info@indamin.com