

فانارلؤل ایران

IRAN FANARLOOL



Since: 1982

Knowladge Enterprise

Suspension springs, Engine valve springs, Clutch springs, Air industry springs , Electronic and Electric springs, Home Appliance springs, Railway Springs, Oil and Gas industry Springs, Etc .





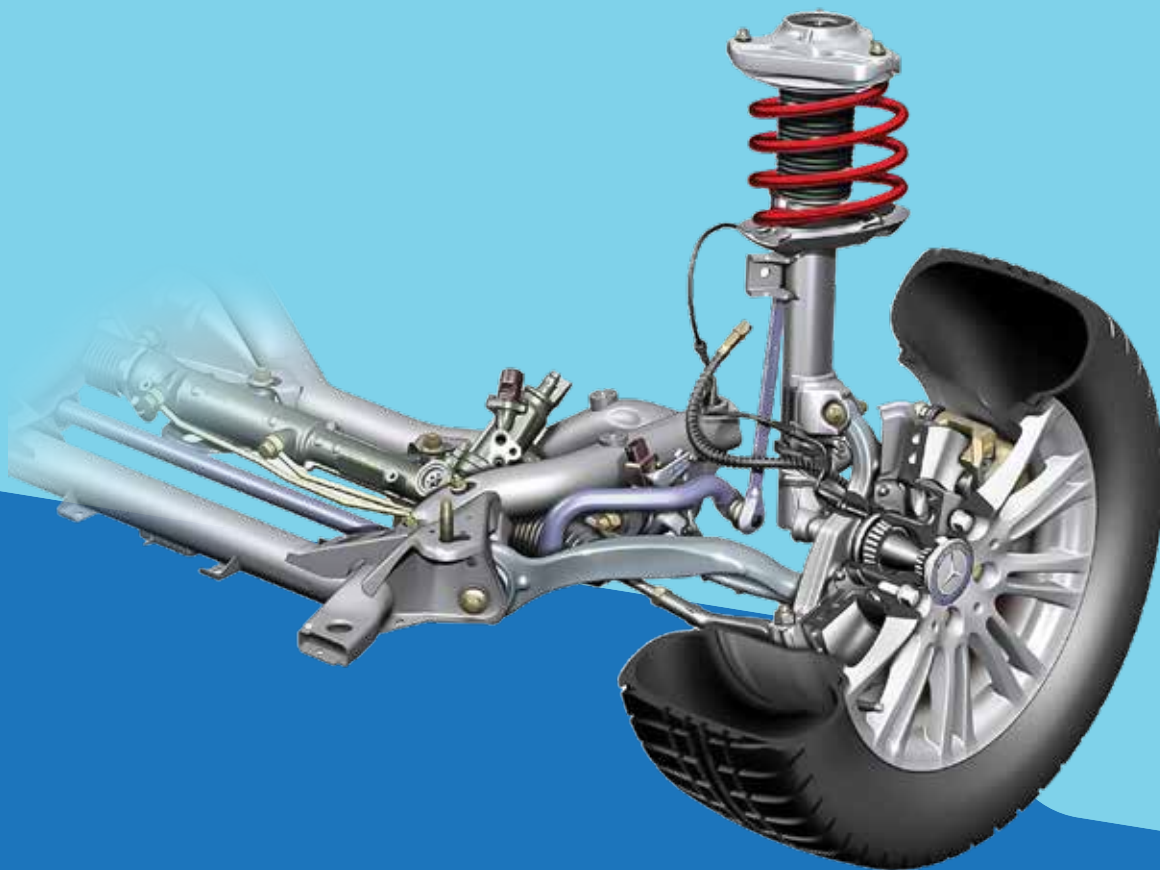
INTROUDUCTION

History :

As the largest spring manufacturing in middle east having more than 40 years of experience in spring different fields of industries by production all kinds of compression , extension , torsion and wire shaped springs with wire diameter of 0.1mm up to 52mm.

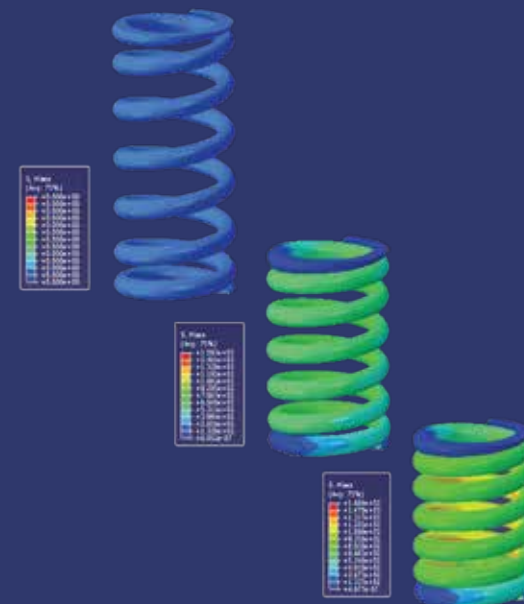
Events :

- 1982 Establishment
- 1986 IST membership
- 1994 First Iranian supplier for export to PSA (Peugeot)
- 1995 First Iranian company receiving ISO 9002/ISO 14001/QS 9000
- 2000 Sign technical agreement with "ALLEVARD REINA"
- 2001 Receiving ISO/TS 16949 certificate
- 2002 Introduce the best company in R&D in IRAN
- 2003 Introduce the best company in quality control in SAPCO
- 2004 Nominated with Renault company for L90 project
- 2005 J.V. with KERN_LIEBERS (Germany)
- 2005 Receiving grade "A" of SAPCO and SGS
- 2015 Renault Best supplier award
- 2017 Nominated by Renault as designer for B90 suspension springs
- 2017 Nominate by PSA for new Project in Iran (suspension & valve springs)
- 2017 Nominate by CITROEN for new Project in Iran (suspension & valve springs)
- 2019 IATF 16949 - 2016 & ISO 9001-2016
- 2019 Nominated as a knowledge enterprise company
- 2023 Localization more than 2500 type springs



RESEARCH AND DEVELOPMENT

- Cooperation with universities and international research centers (IST ...)
- Technical and engineering cooperate with best European companies
- Design and analysis by using the Finite Element method and simulation . (CATIA , ABAQUS ,...)
- Nominated by Renault and PSA as a designer
- Published 3 books about spring design, spring materials and technology
- Published more than 1500 articles
- Close cooperate with best material suppliers on development new spring high tech wires
- Full engineering technical support for customer problems



QUALITY AND LABORATORY EQUIPMENT

- Zero defect is our quality target
- Continuously develop production management and quality management system in order to producing most efficient and well- valued products to customers
- Using high quality materials
- To insure the best quality , laboratory and test centers are equipped with best facilities:
 - Tensile Test
 - Chipping Test
 - Hardness Test
 - Load Test Machines (9 types)
 - Fatigue Test (4 types)
 - Resistance to immersion in water
 - Fatigue under corrosion
 - Paint Adhesion Test
 - All Chemical Test
 - Etc





CERTIFICATES

- First Iranian supplier for export to PSA (PEUGEOT)
- The only coil spring manufacture approved by RENAULT in IRAN and receiving RENAULT Best supplier Award in 2015
- IATF 2016 - 16949 & ISO 2016-9001
- Etc

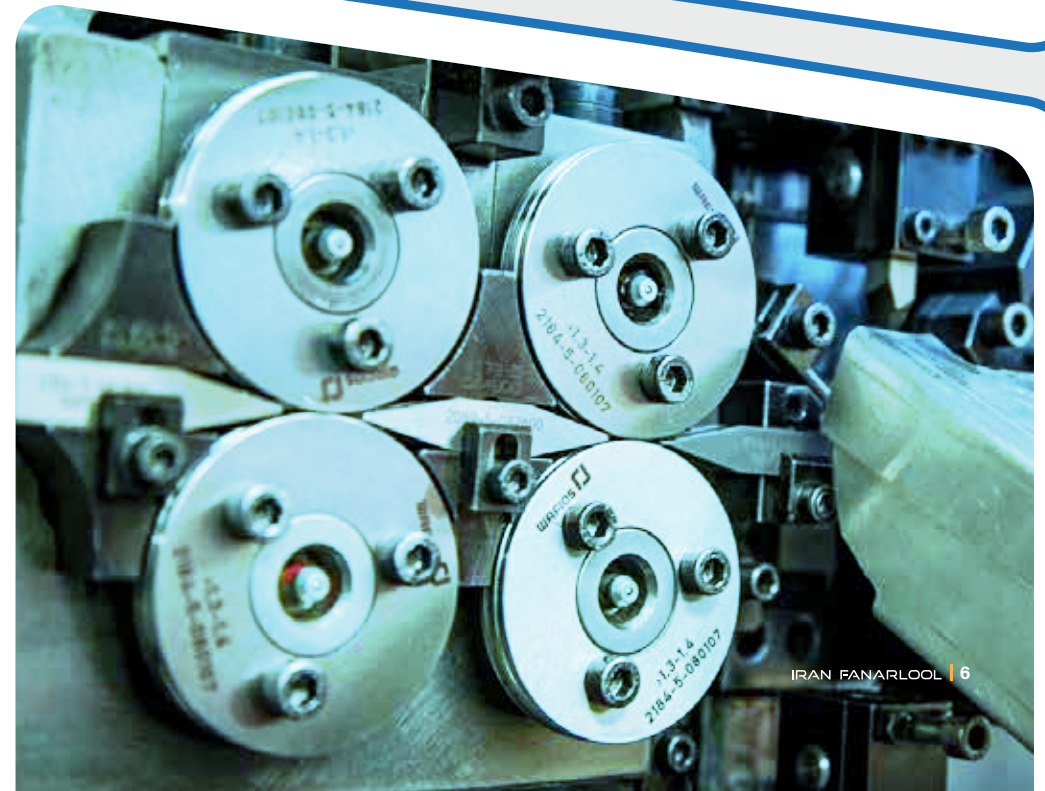
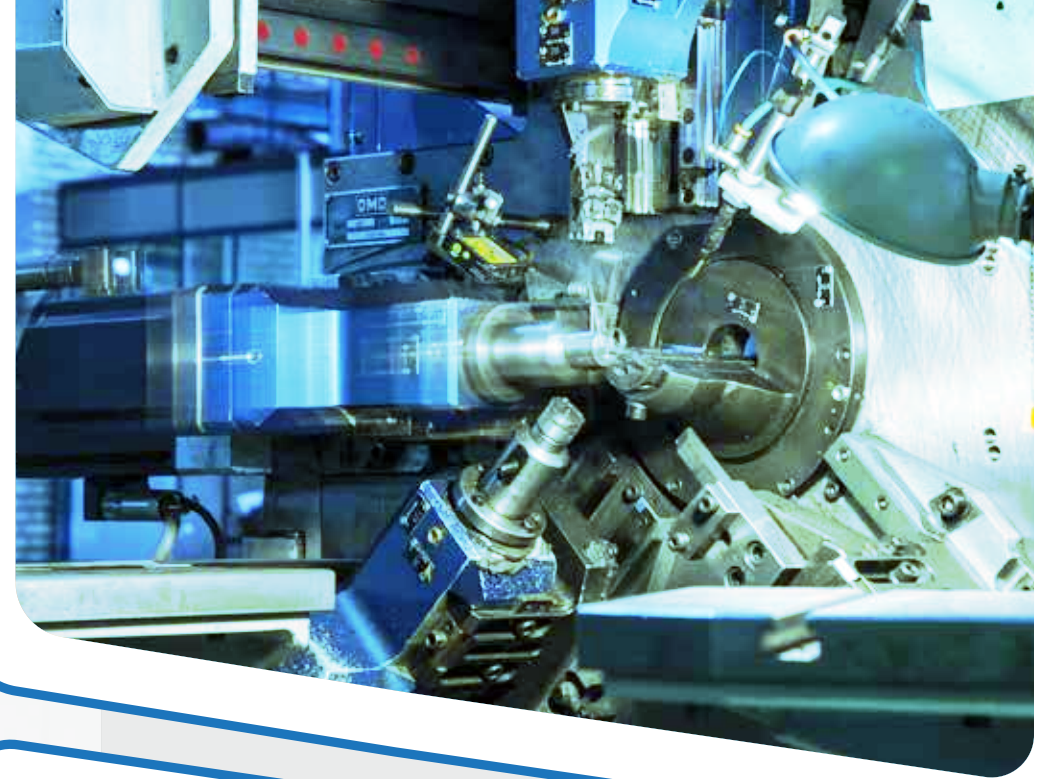


PRODUCTION

Utilizing best machines and equipments with continuously R&D efforts for the most up-to-date methods on producing high quality products .

Main Machines & Equipments :

- Coiling Machines WAFIOS (Germany) - OMD (Italy)
- CNC Machines WAFIOS (Germany) - OMD (Italy)
- CNC Grinding Machines OMD (Italy)
- Wire forming Machines WAFIOS (Germany)
- Shot peening
- Painting Line
- Furnaces
- Hot Setting
- Phosphate Coating
- Zinc Coating
- Etc



SUSPENSION SPRINGS

- To be able to meet all customer expectations , requests and standards (PSA B243310 , Renault , ...)
- Combining the most suitable cold coiling materials with high cold coiling technology and different shaped suspension springs of all car brands (6mm – 25mm)
- Suspension spring production line has Renault , PSA , TAC , IKO , SAIPA , MAXDA NISSAN approval .
- 3D simulation facilities and related knowledge.
- More than 350 R&D research articles in this regards.
- High tech specific lab equipments(Fatigue test , Fatigue under corrosion , all Paint test , stress corrosion , Action line piercing points location...)

Süspansiyon yayı:

- Tüm beklenti, istek ve müşteri standartlarına cevap verebilme (PSA B243310, Renault, ...)
- Tüm otomobil markalarından (6 ila 25 mm) en yüksek soğuk haddeleme teknolojisi ve farklı şekillerde süspansiyon sistemi yayları ile en uygun önceden sertleştirilmiş malzemelerin kullanılması.
- Süspansiyon sistemli yay üretim hattı Renault, PSA, TAC, IKO, Saipa, MAXDA NISSAN tarafından onaylanmıştır.
- 3D simülasyon olanakları ve ilgili bilgi birikimine sahip olmak.
- Bu alanda 350'den fazla araştırma ve geliştirme makalesi.
- İleri teknolojiye sahip özel laboratuvar ekipmanları (yorulma testi, korozyon altında yorulma, renk testleri, stres korozyonu, kuvvet uygulama noktalarının analizi)

نابض التعليق:

- قادر على تلبية كافة التوقعات والطلبات والمعايير القياسية التي يريدها الزبائن (PSA B243310 و رينو وغيرهما)
- استخدام أفضل المواد المسبقة الإجهاد بأفضل تقنية المحول الذكر البارد والأشكال المختلفة لنايضا نظام التعليق من كافة ماركات السيارات (٦ إلى ٢٥ ملم).
- بخص إنتاج نابض نظام التعليق بتصديق من رينو و IKO و PSA و TAC و SAIPA و MAXDA NISSAN.
- بإمكانيات المحاكاة الثلاثية الأبعاد والتمتع بالمعرفة المرتبطة.
- بما يتجاوز ٣٥٠ مقالة بحثية وتنموية في هذا المجال.
- بمعدات مختبرية خاصة ذات تقنية متقدمة (اختبار الكلال، الكلال تحت التأكل، اختبارات اللون، تأكل الإجهاد، تحليل محور نقاط تطبيق القوة)





ENGINE VALVE SPRINGS

- To be able to meet all customers expectation , Requests and Standards (PSA, Renault , ...)
- Valve spring production line has PSA , Renault , IKO and SAIPA approval .
- 3D simulation facilities and related knowledge.
- More than 450 R&D research articles in this Regards
- High tech lab equipments(fatigue test , relaxation test , ...)

Motor valfi yayı:

- Müşterilerin tüm beklenti, istek ve standartlarını karşılayabilen (PSA, Renault, ...)
- PSA, Renault, IKO ve Saipa'dan supap yayı üretim hattı onayına sahiptir.
- 3D simülasyon olanakları ve ilgili bilgiler.
- Bu alanda 450'den fazla araştırma ve geliştirme makalesi
- ileri teknoloji laboratuvar ekipmanları (yorgunluk testi, gevşeme testi, ...)

نابض صمام المحرك:

- قادر على تلبية كافة التوقعات والطلبات والمعايير القياسية التي يريدها الزبائن (PSA و Renault وغيرهما)
- بتصديق خط إنتاج نابض الصمام من PSA و Renault و IKO و Saipa.
- بإمكانات المحاكاة الثلاثية الأبعاد والتمتع بالمعرفة المرتبطة.
- بما يتجاوز ٤٥٠ مقالة بحثية وتنموية في هذا المجال.
- بمعدات مختبرية ذات تقنية متقدمة (اختبار الكلال، اختبار الهدوء وغيرهما)



CLUTCH SPRINGS

- To be able to meet all customers expectation , requests and standards
- 3D simulation facilities and related knowledge
- More than 280 R&D research articles in this regard .
- High tech lab equipments .

Debriyaj yayı:

- Müşterilerin tüm beklenti, istek ve standartlarını karşılayabilme
- 3D simülasyon tesisleri ve ilgili bilgiler
- Bu alanda 280'den fazla araştırma ve geliştirme makalesi.
- İleri teknolojiye sahip laboratuvar ekipmanları

نابض الدبرياج:

- قادر على تلبية كافة التوقعات والطلبات والمعايير القياسية التي يريدها الزبائن
- بإمكانيات المحاكاة الثلاثية الأبعاد والتمتع بالمعرفة المرتبطة.
- بما يتجاوز ٢٨٠ مقالة بحثية وتنموية في هذا المجال.
- بمعدات مختبرية ذات تقنية متقدمة



SPRINGS FOR OTHER INDUSTRIES

- Electronic and Electric
- Air industries
- Home appliance
- Railway industries
- Oil and gas industries
- Other Auto industries
- Etc

Diğer endüstriler yayı:

- Elektronik ve elektrik
- Havacılık endüstrisi
- Ev eşyaları
- Demiryolu endüstrisi
- Petrol ve gaz endüstrileri
- Diğer otomotiv endüstrileri
- Vb



الناض للصناعات الأخرى:

- الإلكترونية والكهربائية
- الصناعات الجوية
- أثاث المنزل
- صناعات السكك الحديدية
- صناعات النفط والغاز
- سائر صناعات إنتاج السيارات
- وغيرها



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