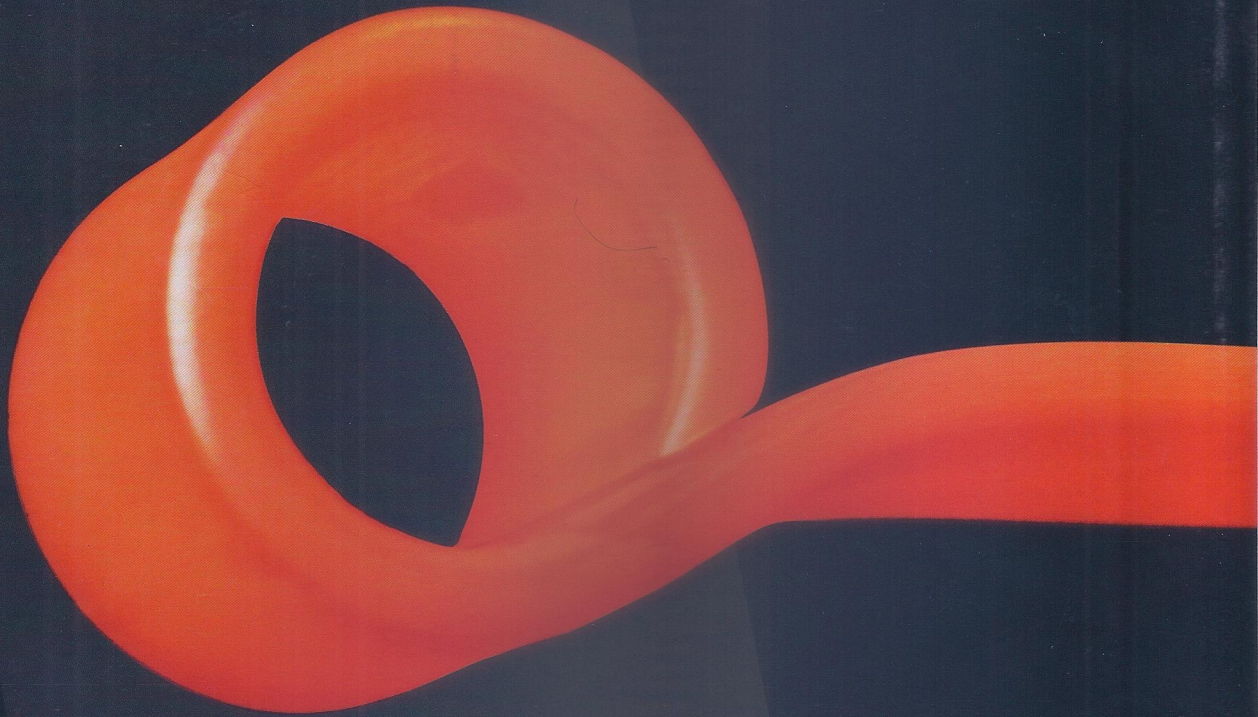




Next Generation Leaf Springs

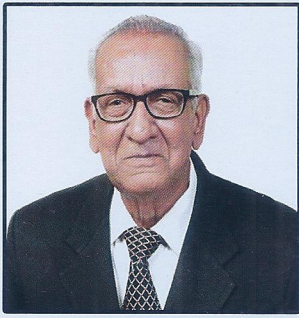


**SONI AUTO & ALLIED INDUSTRIES LTD.**

Manufacturer of all kind of Leaf springs

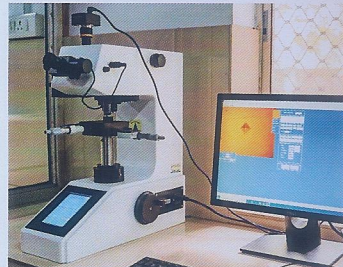
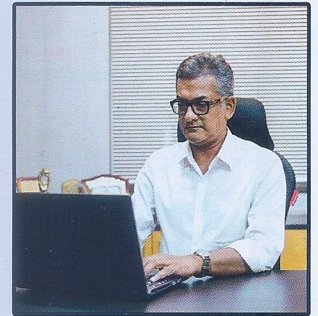
An IATF 16949 and ISO 14001 Certified company





**Mr. B.L. Jhunjunwala**, the Founder and Chairman of the company, is strategic in every step, and he had chosen Jamshedpur, the first planned industrial city of India, as the Headquarter of **Sonico**. The company has now earned name and fame as one of the leading manufacturer and exporter of leaf springs .

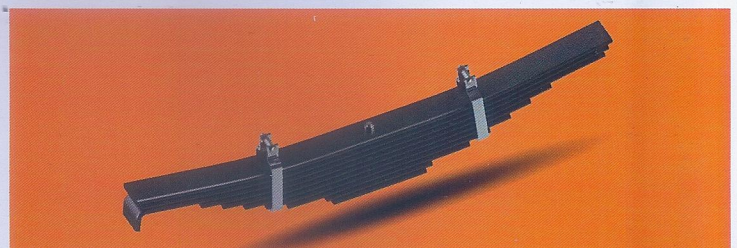
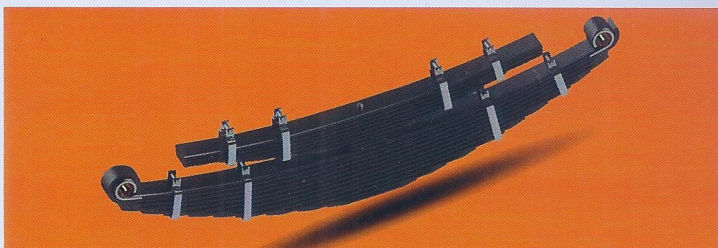
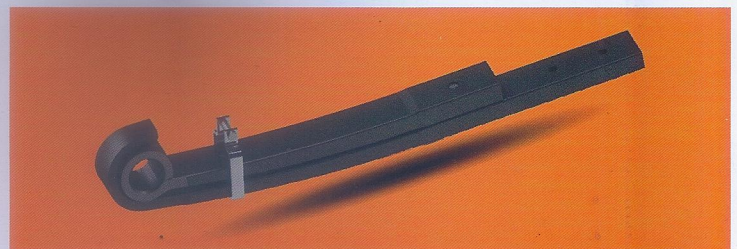
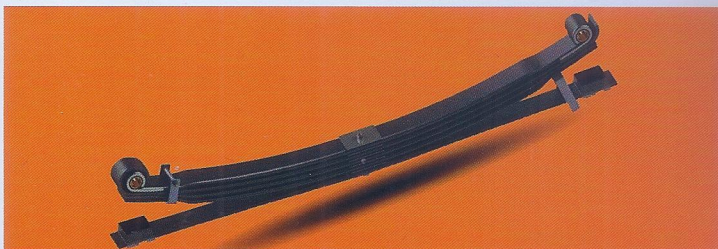
The legacy that was crafted by **Mr. B. L. Jhunjunwala** is now being taken to new heights by our Managing Director **Mr. Rajeew Jhunjunwala**. Owing to his contribution, **Sonico** is now the esteemed partner and the top choice of Automotive manufacturers. With his iron strong determination, willingness to master cutting edge technology and deliver quality in manufacturing, **Sonico** has now embarked on the dream of offering **Next Generation Leaf Springs**



**Sonico** has always believed in upgrading with changing times without losing its humane values. This has led us to develop and reinvent our plant for Leaf Spring manufacturing prioritizing man over machine.

"To create anything is easy, to deliver the value is difficult", **Sonico** has defied this perception by setting up an R&D center for design and development of lighter weight springs with higher fatigue life. It is supported by servo controlled hydraulic actuators, spectrometer & high precision XRD equipment to validate in-house designs.

As the master of its trade, **Sonico** deals in multi, parabolic and airlinks from their conceptualization to fitment.





The high-tech facility of **Sonico** includes induction heaters to manage end heating operations, CNC controlled drilling machine, automatic parabolic rolling lines, robotic heat treatment line with fast cooling for consistent quality. To ensure higher life, leaves are shot/stress peened in a specially designed machine. Spring assemblies are scragged in a sophisticated CNC scragging machine, wherein stiffness and camber of each assembly are checked & recorded online. The automatic paint line ensures the best quality surface finish with higher salt spray life.

### **AUTOMATIC PARABOLIC ROLLING LINE**

CNC servo controlled fully automatic parabolic rolling machine to ensure better profile accuracy.

Keeping the green quotient in mind ,we have gas fired end heating furnaces for homogeneous heating resulting in reduced decarb and good surface retention.

High pressure descender to ensure consistent & accurate parabolic profile and clean surface.



### **ROBOTIC HEAT TREATMENT LINE**

Fully automatic robotic heat treatment line to ensure consistent quality.

Gas fired pyro controlled hardening furnace to ensure consistent leaf temperature.

Automatic swinging mechanism to ensure better camber stability with improved mechanical and metallurgical properties.

### **STRESS SHOT PEENING LINE**

Automatic two pass & three turbine stress shot peening line for maximum coverage and higher residual stress.



### **AUTOMATIC ASSEMBLY LINE**

Fully automatic conveyORIZED assembling line, integrated with online CNC controlled scragging.

Option for scragging in both load & deflection mode.

Automatic online camber grading.





**Next Generation** Leaf Springs

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