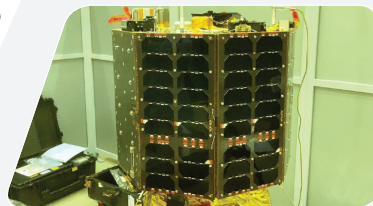
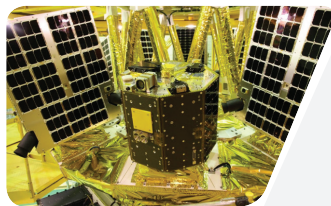


OUR COLLABORATIONS

UNISAT-7

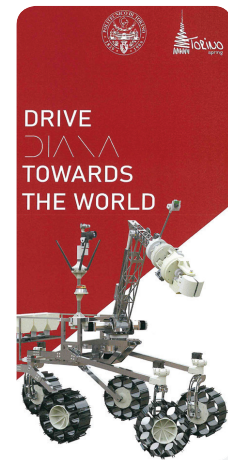
It took effort and determination.

Torino Spring is proud to have participated with its springs to the realization of **team Gauss** major project, shipped to space.



“DIANA” A REVOLUTIONARY PROJECT

A far-reaching and highly prestigious project that saw the collaboration between the **Politecnico di Torino** and **Torino Spring** for the creation of the “Diana” spring.



RACING TEAM

Polito Race Team (the Politecnico di Torino's Formula SAE Team) trusted **Torino Spring's** expertise for the creation of customized part for to equip all their SC18, SC19 and SC21 cars.



Torino Spring S.r.l.

Combining the old generation's 50 years' experience with of new one's ability to innovate, the current management aims to achieve an ever-better service and a competitive product both in terms of price and quality.

Today Torino Spring can rely on the most advanced CNC machines for the production of compression, extension and torsion springs, small metal parts and hooks. Torino Spring exports these products to 28 countries on 4 continents.



The coveted **IATF 16949:2016 certification** attests the high standards reached in every part of the production process. Collaborations with leading Italian universities, first of all the Politecnico di Torino, show the direction Torino Spring is looking towards..

The designing process uses advanced **3D** software to support development, reducing production times and possibility of error.

The prototyping process, a crowning achievement of Torino Spring, helps to make improvements and correct any defects, before the article is industrialised.

Product quality is ensured by an innovative, fully digitalized control system, that uses cutting-edge hardware, such as 3D optical scanners that reduce the possibility of error to almost zero.



Experience and know-how, result of over 50 years' work in the sector, are the winning factors of the **MADE IN ITALY**.

Torino Spring S.r.l.

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www.torinospring.it



The strength of tradition
The spring of the future

IATF 16946:2016 CERTIFICATION

Excellence and
Quality

The company is certified according to **IATF 16946:2016** standards, **excellence and quality** are the hallmark of all **Torino Spring Srl** products.



QUALITY

Product quality is ensured by an innovative, fully digitalized control system, that uses cutting-edge hardware, such as 3D optical scanners that reduce the possibility of error to almost zero.

- **LED 2D & 3D** for secure, certified and instant dimensional measurement
- **Digital dynamometers**, for compressive and tensile loads
- **Torque transducers**, for certifying torques
- **Durometers**, for certifying hardness



Chemical, metallographic and salt spray resistance tests can also be carried out by accredited laboratories.

FIXING SYSTEMS FOR METAL WIRES AND STRIPS



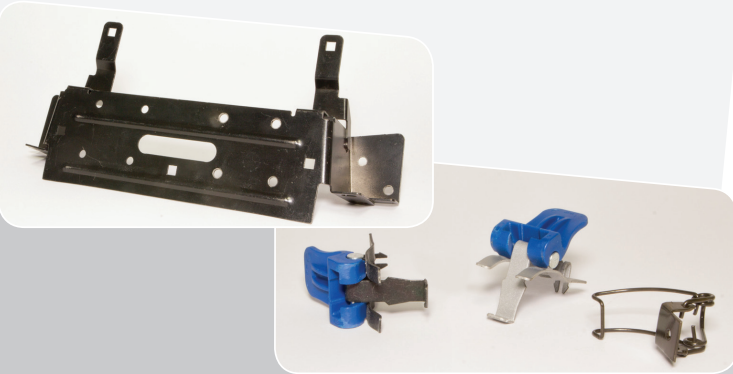
Special sheared and folded metal wires and strips. Allow fast, secure and effortless fixing (not locking) in a variety of applications.

Designed and developed with the customer or produced according to standard **Torino Spring** produces a wide range of single or assembled multi-component fastening systems.

ASSEMBLED COMPONENTS

We assemble components on our own articles to deliver a finished product.

Soundproof pipes, complete closing systems assembled with levers and plates, rivets, fixing pins, etc. The assembly of these elements directly in **Torino Spring** reduces all those problems that arise with subcontractors, assembly defects and management and production costs.



WIRE SPRINGS

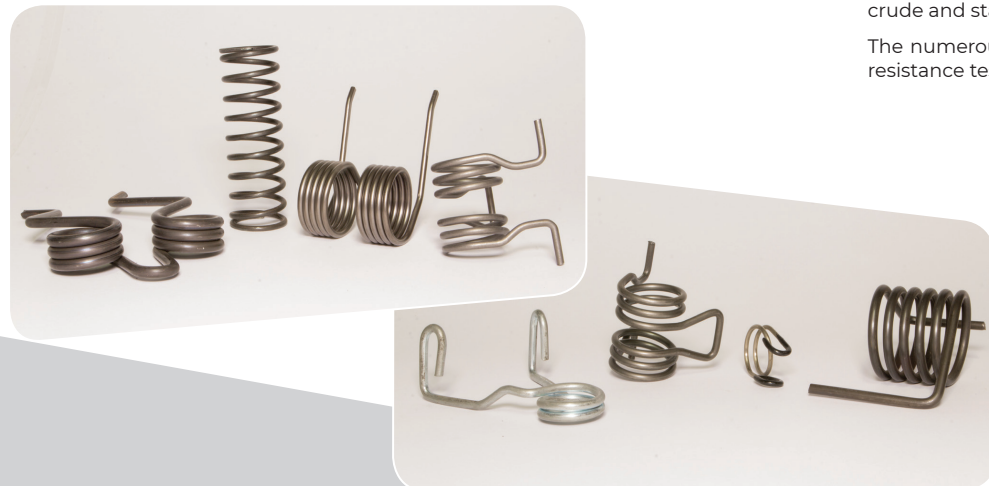
COMPRESSION
EXTENSION
TORSION
WIRE FORMED

The 'must have' of elastic components, the objects that provide the thrust par excellence, the simplest and most widely used.

We design and produce:

- Cylindrical, conical and biconical and rectangular compression springs, with round and square wire
- Torsion and Extension springs
- Rods and wire formed components

Quality workmanship and fast delivery are our hallmarks.



WE PRODUCE PROTOTYPES BY HAND AND SAMPLES WITH AUTOMATIC PROCESS

The sizes we deal with include wire diameters from 0,2 mm to 12 mm.

The materials we use are obviously all types of carbon spring steel, ferrous, crude and stainless and steel alloys.

The numerous surface treatments applied are defined by the salt spray resistance test and aesthetic requirements.



BUSHINGS AND SPACERS

Round and oval elastic bushings and spacers made to customer specification

The bushings are precision parts used to meet specific requirements in industries as diverse as automotive, electrical, machine building and more



The bushings are made from a variety of materials including:

Rolled strips with round or sheared edges in soft iron (EN 1.0330/EN 1.0347), high-tensile iron (e.g. EN 1.0144), cold rolled annealed or quenched and tempered C67 steel EN 10132/4 (for elastic spacers), EN 1.4310 or EN 1.4301 stainless steel.

Flattened wire strips with round edges made of EN 1.0308 iron, high carbon steel (e.g. SM PH EN10270/1), EN 1.4310 or EN 1.4301 stainless steel.

