

Your springboard



## **CUSTOM SPRING EXPERT**

### COMPRESSION

#### TRACTION

#### QUANTITY

- Unit Small Series Medium Series Large Series
- automatic production: from 0.1 to 14 mm wire
- Semi-auto production: from 0.1 to 20 mm wire
- Prototyping





### TORSION

**FLAT** 

#### SHAPE



## ASSEMBLY



#### **MATERIALS WORKED**

- Spring steel SM, SH, DH, VDSiCr, FDSiCr ...
- Pre-coated steel SM galvanized, bezinal ©
- Stainless steel 1.4310, 1.4401, 1.4568, 1.4462, soft ...
- Stainless steel 1.4441, Titanium, Uranus
- Inconel 600, 625, 718, 750, Monel, Nimonic ...
- Phosphor bronze, beryllium, copper, brass
- strip steel C75S, C80S, C100S
- strip stainless steel 301 hardened E1 to E6

#### **FINISHING**

 Oiling • Galvanizing • Epoxy • Cataphoresis • Teflon coating C • Geomet C • Phosphatation • Passivation • Ultrasonic cleaning • Color marking • Marking • Microbilling • Deburring • Unit packaging, tube, vacuum bags

Wire from 0.1 to 20 mm - thickness from 0.1 to 3 mm

#### For more informations www.novaressort.fr







# 70 YEARS OF INNOVATIVE SPIRIT AT YOUR SERVICE

#### Factory 4.0

You are looking for a reliable partner, we work in a transparent way.

RFID-assisted production management ensures total traceability from quotation to delivery. Our ERP and B to B oriented web tools enable real-time monitoring. Each of your services (BE, purchasing, quality, supply chain, control) will find easily and quickly useful and reliable information, thanks to a permanent update of the system. The documents are available and already dematerialized.

Innovation is not a concept but a reality.



#### Study Technical Validation

Our design office is available at any time to meet your needs: simple advice, calculation, drafting specifications. Thanks to specific software, we can predict the durations of the springs according to their use. You are looking for technical support, we provide you with the necessary documents for your design file. You can even test the springs in their real conditions of use thanks to our test bench.

Let's work together to find the best solution at the lowest cost !

#### Activity area







## Quality The action continues

A proven and efficient system ensures total traceability from the material to the delivery of the finished product. We control the management of ISPs, DVI, EI. We guarantee the respect of your specifications at each stage.

Our recent equipment allows unit control at machine output on all sectors.

The control laboratory is equipped with load sensors from 1g to 2T, 3D machine, 2D, an X 105 electronic camera under laminar flow.

The requirement for the satisfaction of our customers.





#### Production Optimization of means

A constant investment policy ensures a machine park always at the cutting edge of the latest technologies, a guarantee of performance and timeliness.

36 CNC machines distributed in all sectors (winding, forming, grinding, control) Machine with 32 digital axes, feed robots, automatic ultrasonic cleaning system, thermal stabilization under controlled atmosphere.

Our job is constantly evolving, seize these new opportunities!





#### Your springboard

ZI de Montmartre 91 rue de la Croix de Mission 42100 SAINT-ÉTIENNE FRANCE tél : 33 (0)4 77 81 51 20 novaressort@novaressort.fr



#### www.novaressort.fr

Scheduling : Nadine PERRIER Design and quality : Pascale JULLIEN Production : Philippe BASSON

