

MASTERING  
SPRING & MICRO

COMPONENT  
MANUFACTURING



A. Experienced R & D team for leading edge solutions



B. Comprehensive tool department for high quality tool and fast prototyping



## SORED GROUP: YOUR PARTNER OF CHOICE

### A. TECHNICAL RESEARCH

Equipped with CAD technology, our R & D group design tools and dies responding to your most complex demands.

### B. TOOL COMPETENCE

State of the art tool making as key element of our business.

### C. PRODUCTION COMPETENCE

Bending, stamping, coiling, assembling, welding: a production based on reliability and flexibility due to our semi- and fully automatic machines. Heat treatment and polishing are among the processes we control as well.

### D. MICRO CAPABILITY

With the capability of coiling wire diameter as small as  $10\ \mu$ , we are one of the most important European Manufacturer of high precision micro components.

### E. FINAL INSPECTION

Equipped with advanced technology, we guarantee to fulfill all your quality requirements. ISO9001 certified.

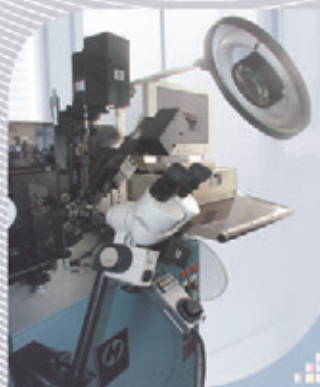
### F. PACKAGING SERVICES

Satisfying all your packaging requests.

C. Over 100 machines to cover your most challenging needs



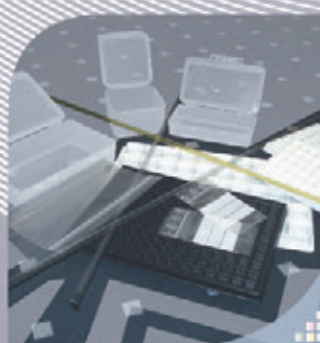
D. Special know-how and equipment for micro spring manufacturing



E. Most advanced inspection equipment to cope with your most demanding specifications



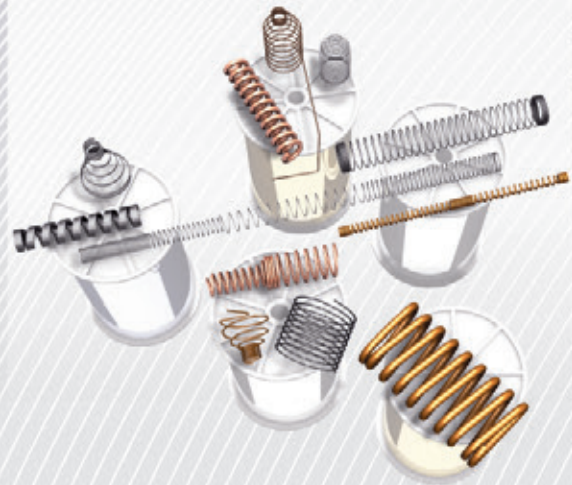
F. Packaging services for all your requirements



 CERTIFIED SWISS QUALITY



## COMPRESSION



# HIGH PRECISION STAMPED-BENT COMPONENTS & MICRO SPRINGS

## ASSEMBLED



## ACKNOWLEDGEMENTS

SORED would like to thank the students of L'École de danse de Québec's professional training program in contemporary dance.

## TENSION



## FLEXION



ANNUAL PRODUCTION  
OVER 800 MILLION PARTS



## WIRE FORMS



## STAMPED AND BENT



### PRODUCT TYPE

### DIMENSION

### EQUIPMENT

- COMPRESSION SPRINGS
- MICRO SPRINGS
- GUIDE WIRES

WIRE Ø: 0.03 TO 1.0 MM  
SPRING Ø: FROM 0.17 MM

41 COILING  
MACHINES

- TORSION SPRINGS
- TENSION SPRINGS

WIRE Ø: 0.1 TO 1.5 MM  
SPRING Ø: FROM 0.4 MM

16 MULTI SLIDE  
MACHINES

- STAMPED & BENT  
COMPONENTS

BAND  
WIDTH: UP TO 50 MM  
THICKNESS: 0.05 TO 1 MM  
WIRE Ø: UP TO 2.5 MM

30 MULTI SLIDE  
MACHINES

- PROGRESSIVE TOOLING  
FOR STAMPED & BENT  
PARTS

BAND  
WIDTH: UP TO 100 MM  
THICKNESS: 0.02 TO 1.5 MM

10 PRESSES  
(UP TO 40 TONS)

- PROTOTYPING

BAND  
THICKNESS: MIN. 0.02 MM  
WIRE Ø: DOWN TO 10  $\mu$

40 WORKSTATIONS

TO OPTIMIZE OUR SERVICE, WE OFFER  
THE FOLLOWING PROCESSES AS WELL

- Sub-assembly
- Laser welding
- Heat treatment
- Polishing & tumbling
- Degreasing
- Plating
- Passivation
- Electropolishing
- Over-molding



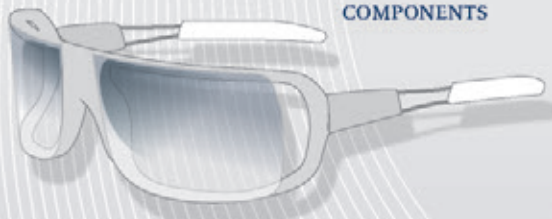
## TORSION



SOME FIELDS  
OF ACTIVITY



IMPLANT-  
AND MEDICAL  
INSTRUMENTATION



EYE WEARS  
COMPONENTS



LOCKS,  
SWISS KNIVES



WATCH INDUSTRY



AERONAUTICS



TELECOMMUNICATIONS

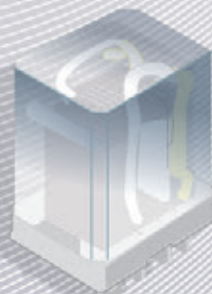


INFORMATION  
TECHNOLOGY

ELECTRONICS  
AND CONNECTOR  
INDUSTRY



ELECTRO  
MECHANICS



YOUR CONTACT

Rue de l'Etoile 21  
CH-2301 La Chaux-de-Fonds  
Switzerland  
Tel. ++41 (0)32 967 90 60  
Fax ++41 (0)32 968 74 89

E-mail: [sales@sored-sa.com](mailto:sales@sored-sa.com)



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