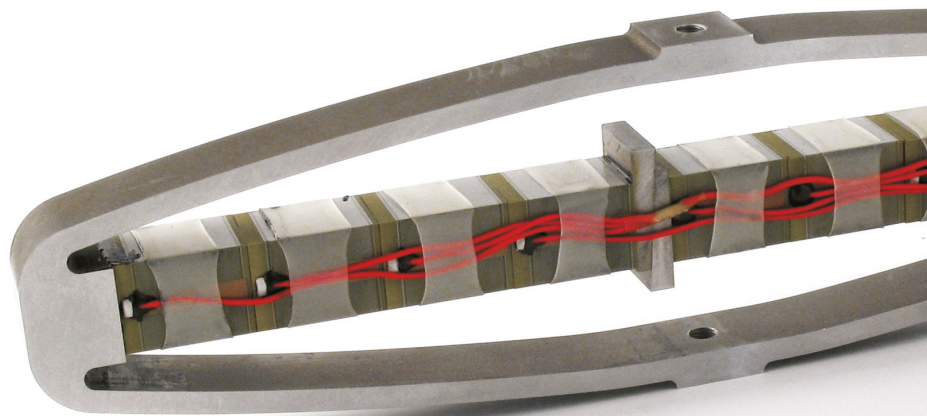


# MECHATRONICS FOR DEMANDING APPLICATIONS

OPTRONICS • INSTRUMENTATION • AIR & SPACE • MANUFACTURING • MEDTEC



# MECHATRONICS FOR DEMANDING APPLICATIONS

## COMPONENTS

Piezo & magnetic motors  
Mechanisms  
Sensors  
Electronic amplifiers  
Controllers

## SYSTEMS

Motion control  
Micro positioning  
Generation of vibrations  
Active damping  
Fluid control  
Detection

## COMPLIANT WITH HARSH ENVIRONMENTS

Reliability & life time  
Shocks & vibrations  
Ultra high vacuum  
Cryogenic or high temperature  
Magnetic field

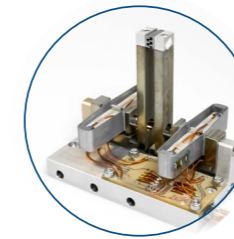


## OPTRONICS

- Micro-scanning & pixel shifting
- Optical image stabilisation
- Auto focus
- Embedded mechatronic functions

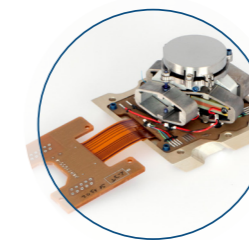
## INSTRUMENTATION

- Telescope mirror motorization
- Synchrotron fast shutters
- Environmental & material testing
- Beam shaping



## AIR & SPACE

- Optical mechanisms flight hardware
- Scan mechanisms for Earth observation
- Hold-down release mechanisms (HDRM)
- Fast steering mirrors

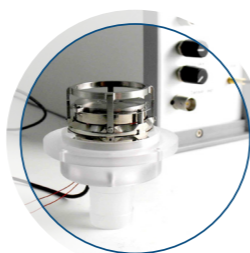
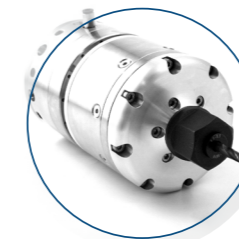


COMPACT  
DYNAMIC  
PRECISE



## MANUFACTURING

- Chatter cancellation
- Vibration assistance for machining
- Active clamping fixtures



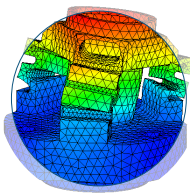
## MEDTEC

- Micro actuation
- Miniaturised motorisation
- Microfluidic control device

## Our offer:



### OFF-THE-SHELF PRODUCTS



### CUSTOMISED PRODUCTS



### R&D & INDUSTRIAL PROJECTS



### CONSULTING & TRAINING

CEDRAT TECHNOLOGIES offers off-the-shelf mechatronics products including piezoelectric & magnetic actuators, motors, mechanisms, transducers and sensors with corresponding drivers & controllers. These mechatronics products are used for scientific and industrial applications requiring functions such as: micro & nano positioning, generation of vibrations, micro-scanning, fast & precise motion control, active control of vibrations, and energy harvesting...

Most of the products are available in OEM versions for low cost & high volume industrial applications. CEDRAT TECHNOLOGIES also offers services including, design, R&D under contract and training.

CEDRAT TECHNOLOGIES is a SME located in Meylan, Inovallée, the French Innovation Valley near Grenoble. CEDRAT TECHNOLOGIES is recognised as a highly innovative company and has received several awards. CEDRAT TECHNOLOGIES is owned by ACTIVE STRUCTURE FINANCE with the support of BPI, the French Innovation Agency.

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