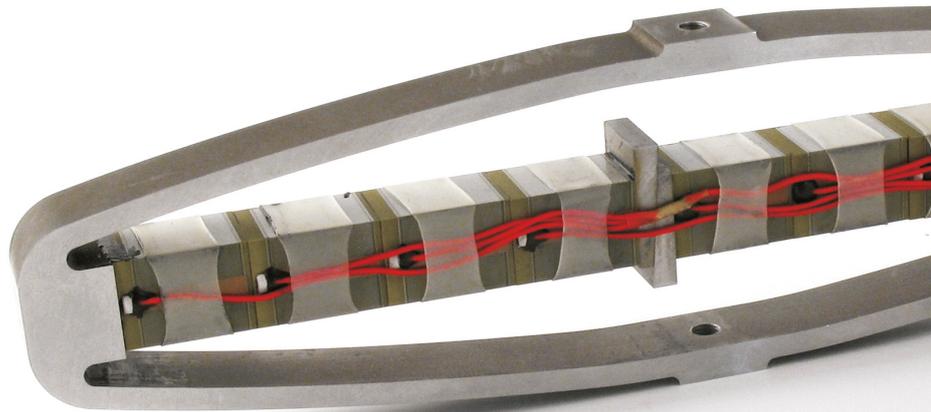


MECHATRONICS FOR DEMANDING APPLICATIONS

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

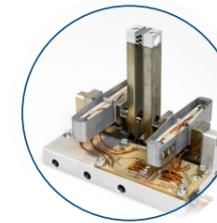
COMPLIANT WITH HARSH ENVIRONMENTS

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

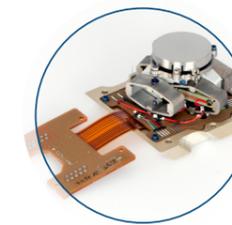


INSTRUMENTATION

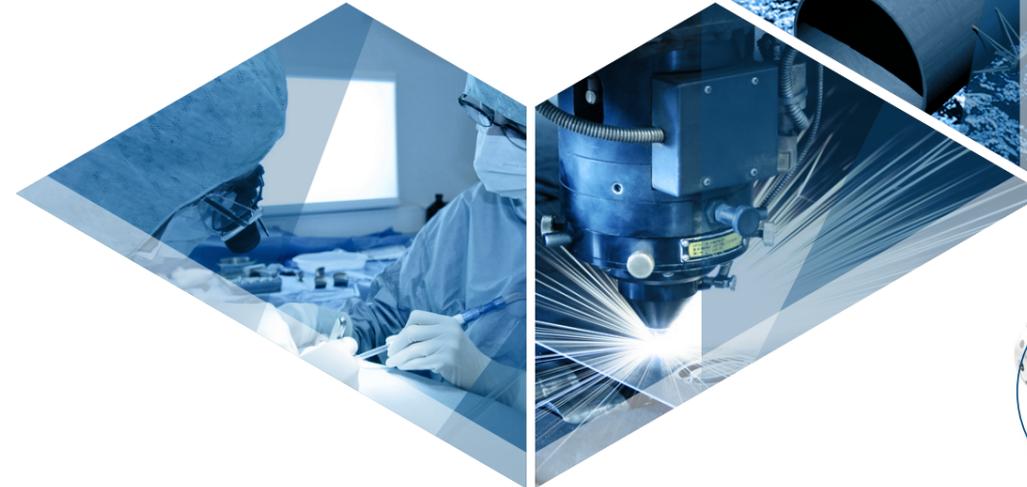
- Telescope mirror motorization
- Synchrotron fast shutters
- Environmental & material testing
- Beam shaping

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



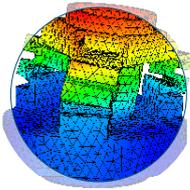
MEDTEC

- 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.

CEDRAT TECHNOLOGIES
59 Chemin du Vieux Chêne • Inovallée
38246 MEYLAN CEDEX • FRANCE
Tel.: +33 (0)4 56 58 04 00
Fax: +33 (0)4 56 58 04 01

actuator@cedrat-tec.com
www.cedrat-technologies.com