MECHATRONICS FOR DEMANDING APPLICATIONS

ACTUATORS & MOTORS

SENSORS

MECHATRONIC SYSTEMS

DETECTION SYSTEMS
COMPACT
DYNAMIC
PRECISE

ACTUATORS & MOTORS
- Piezo Actuators & Motors
- Magnetic Actuators & Motors
- Mechanisms
- Electro Fluidic Devices
- Transducers

MECHATRONIC SYSTEMS
- Motion Control
- Vibration Control
- Energy Harvesting

SENORS
- Position & Speed Sensors
- Force & Torque Sensors
- Magnetic Field Sensors

DETECTION SYSTEMS
- Health Monitoring
- Magnetic & Acoustic Localisation

AIR & SPACE
- CNES, DLR, ESA, MBDA, NASA, ONERA, ...

Tip-Tilt for an interferometer

SCIENTIFIC INSTRUMENTATION
- ACCEL, ESO, ESRF, FRAUNHOFER, SPRING & ...

X-ray Piezo Shutters for synchrotron

OPTRONICS
- COHERENT, SELEX GALILEO, THALES, TRIXELL, ...

Cavity tuning in laser with an amplified piezo actuator

PRODUCTION
- ARCELOR MITTAL, SAMSUNG, LG, SCHNEIDER ELECTRIC, ...

Vibrating Tool Holder

MEDTEC
- INSERM, ELI LILLY, ROCHE DIAGNOSTIC, SOPHYSA, ...

Linear Piezo Motor LSPA
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 features such as: micro & nano positioning, generation of vibrations, micro-scaning, fast & precise motion control, active control of vibrations, energy harvesting...

Most of products are available in OEM versions for low cost & high volume industrial applications. CEDRAT TECHNOLOGIES offers also 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 OSEO, the French Innovation Agency.

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