

# Upgrade of piezo motors

CEDRAT TECHNOLOGIES has an extensive experience in aerospace & defense business and in piezo technologies. For some projects, CEDRAT TECHNOLOGIES has upgraded Commercially Of The Shelves – COTS motors or actuators, by changing several parts and realizing acceptance tests.

## Objective

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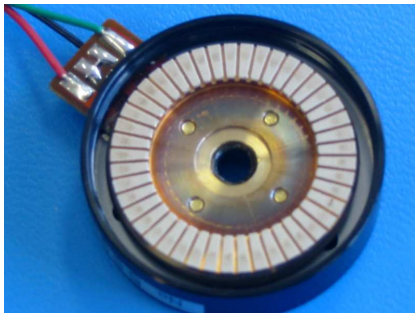
- Upgrade of piezo motors according to aerospace & defense standards
- Acceptance tests campaign under quality standards

## Upgrade of piezo motors

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Typical upgrades includes for instance:

- **The change of the lubrication (for instance a vacuum compatible oil)**
- **The change of some parts to get a fully non-magnetic motor.**



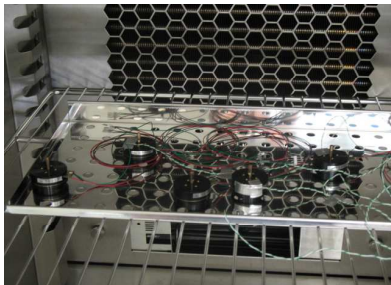
View of the piezo motor stator

## Acceptance Tests

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The set of acceptance tests is decided with the customer and may include:

- Load characteristics curve
- Electrical Impedance characteristics curve
- Thermal burn-in cycling
- Lifetime tests



View of the piezo motor in the climatic chamber

## Keywords

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Ultrasonic motor, Piezomotor, Aerospace, Defense