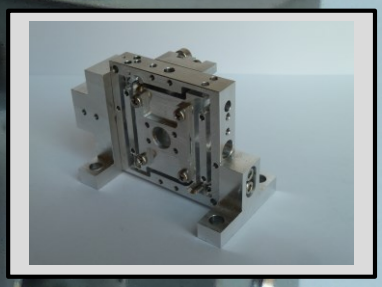
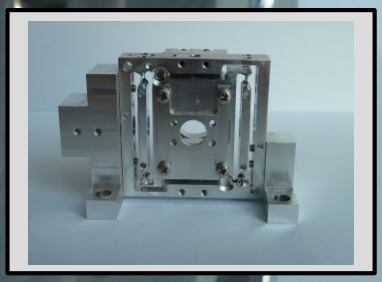
CX100 – Compact Tunable Mechanical Monolithic Horizontal Oscillator

Compact Mechanical Monolithic Oscillator for Seismometers and Accelerometers

Mechanical Features

Lower Natural Frequency	700 mHz (tuning mass)
Mechanical Sensitivity	Thermal Noise Limited (vacuum)
Environment	Standard, Harsh, Ultra-High Vacuum, Cryogenic
Readout Modules	Modular Mounting





Specifications

Architecture	Monolithic Folded Pendulum (Patented)	
Mass displacement	±2 mm ±0.02 mm maximum	
Suspension Joints	Elliptic Flexures (thickness > = 100 um)	
Material	ERGAL (Al 7075-T6)	- Mod. CA100
	ANTICORODAL (Al 6082-T6)	- Mod. CB100
	COPPER BERILLIUM Alloys	- Mod. CC100X
Dimensions	50 (H) x 50 (L) x 10 (P) mm	
Weight	40 g (without readout system)	

ADVANCED SCIENTIFIC SENSORS AND SYSTEMS

2019 Annual Meeting of the
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Progetto Cofinanziato con il POR Campania FESR 2014-2020 Obiettivo Specifico 1.1 e 1.4
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EROGAZIONE DI VOUCHER PER LA PARTECIPAZIONE DI MICRO E PMI CAMPANE AD EVENTI FIERISTICI INTERNAZIONALI

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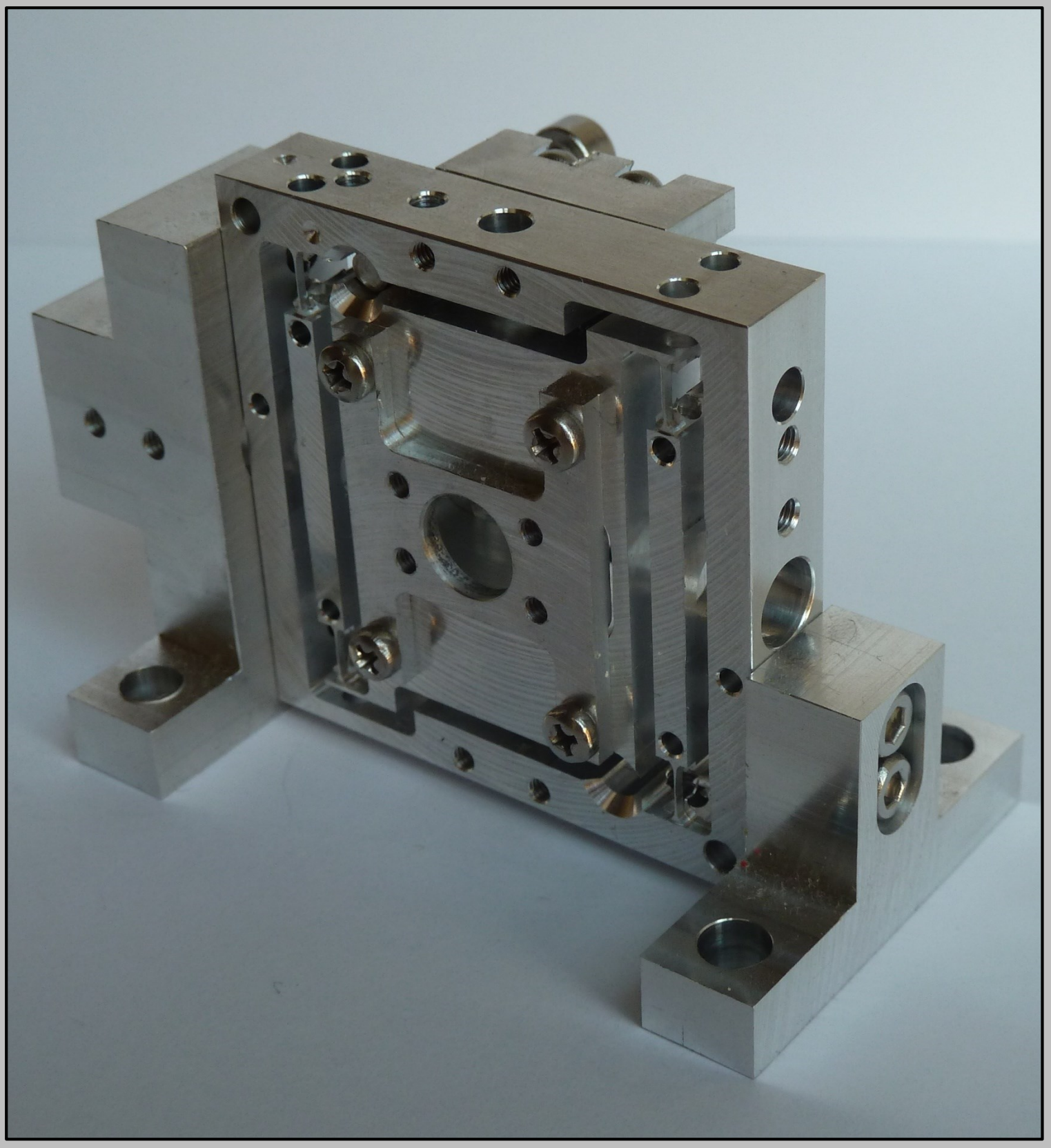

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