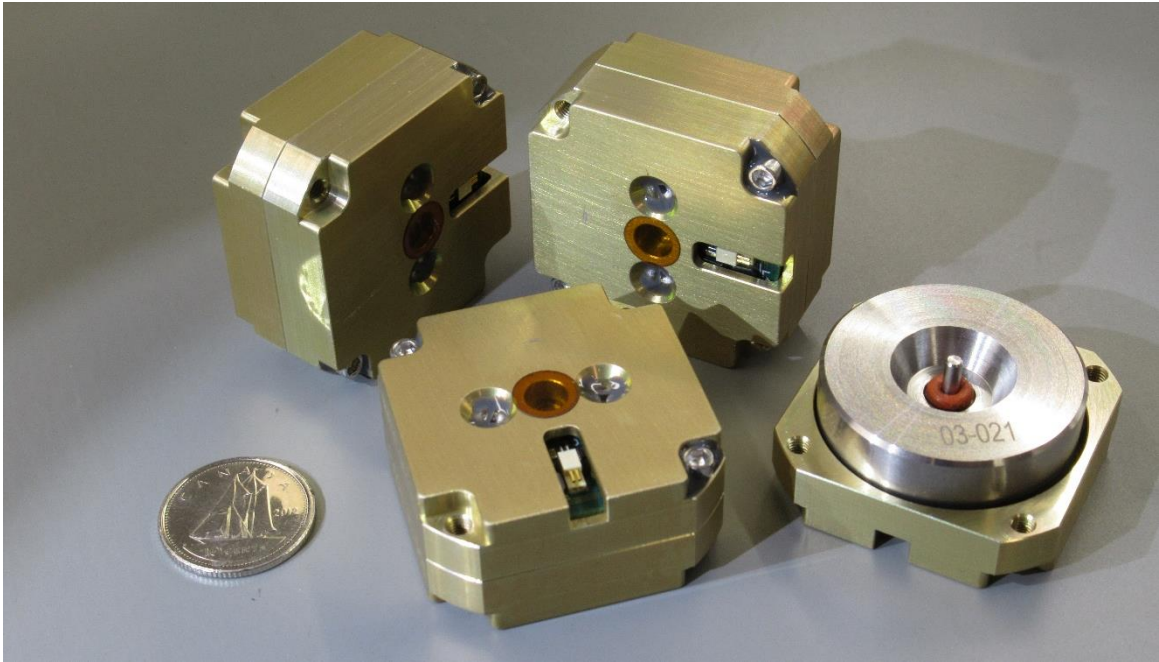
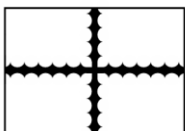


Picosatellite Reaction Wheels (RW-0.003)



Momentum	Nominal: 0.003 Nms @ 8,500 rpm Peak: 0.005 Nms (at 5 V supply)
Torque	± 1 mNm at 0.005 Nms (at 5 V supply)
Control Mode	Speed or torque with built-in control CPU
Command / Telemetry	UART or I ² C/SMBus
Mechanical	Dimensions: 33.5 x 33.5 x 17 mm Mass: <50 g
Supply Voltage	Nominal: 4.5 to 9.0 V
Environment	Thermal: -40°C to +70°C (operating) Radiation: >10 krad dose
Reliability	Diamond coated hybrid ball bearings Radiation lot-screened parts (optional)
Heritage	Bearing common to RW-0.03 and RW-0.01 More than 100 Sinclair Interplanetary wheels on-orbit
Price	US\$15,000 each, +US\$2000 for radiation lot-screened parts



Sinclair
Interplanetary

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