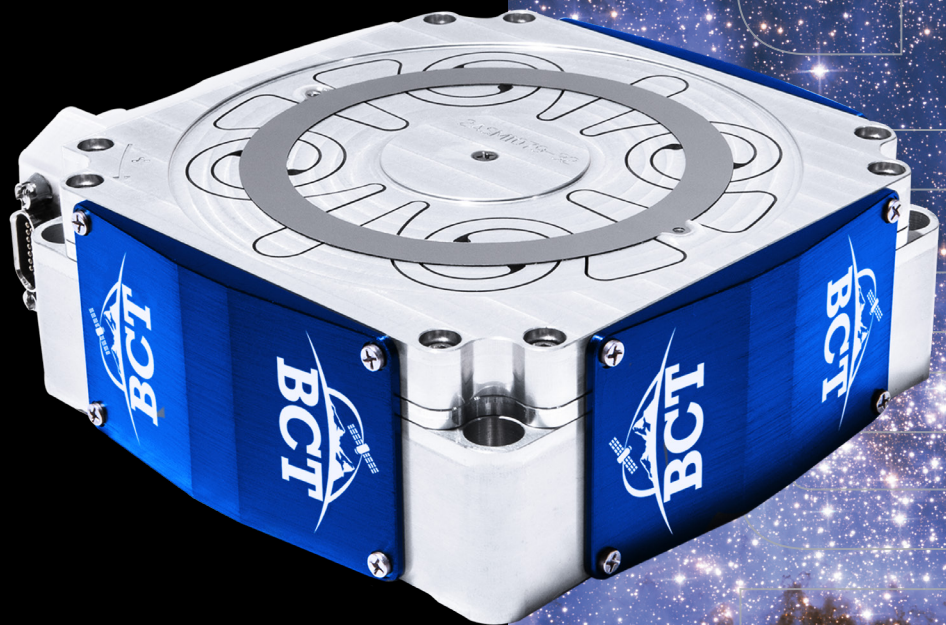




Spacecraft Buses,
Systems & Solutions

REACTION WHEELS



Our Reaction Wheels are currently operating on-orbit, supporting numerous successful customer missions.

Brushless DC motors, ultra-smooth bearings, and the advanced lubrication system ensures low-jitter performance, and long life for your mission.

DRIVE ELECTRONICS

Flexible interface options include direct analog torque command as well as a digital command and telemetry option. Standalone control electronics can drive up to four reaction wheels. RWp500, or larger can be driven by its own integrated drive electronics.

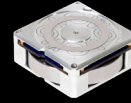
REACTION WHEELS



RWP015



RWP050

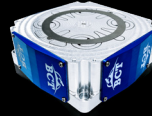


RWP100

MOMENTUM	0.015 Nms	0.050 Nms	0.10 Nms
MAX TORQUE*	0.004 Nm	0.007 Nm	0.007 Nm
MASS	0.130 kg	0.24 kg	0.33 kg
VOLUME	42 x 42 x 19 mm	58 x 58 x 25 mm	70 x 70 x 25 mm
VOLTAGE	10 - 14 VDC	10 - 14 VDC	10 - 14 VDC
POWER @ FULL MOMENTUM	< 1.0 W	< 1.0 W	< 1.0 W
DESIGN LIFE	> 5 years	> 5 years	> 5 years



RWP500



RW1



RW4



RW8

MOMENTUM	0.50 Nms	1.0 Nms	4.0 Nms	8.0 Nms
MAX TORQUE*	0.025 Nm	0.1 Nm	0.25 Nm	0.25 Nm
MASS	0.75 kg	0.95 kg	3.2 kg	4.4 kg
VOLUME	11 x 11 x 3.8 cm	11 x 11 x 3.8 cm	17 x 17 x 7 cm	19 x 19 x 9 cm
VOLTAGE	22 - 34 VDC	22 - 34 VDC	22 - 34 VDC	22 - 34 VDC
POWER @ FULL MOMENTUM	< 6.0 W	< 9 W	< 10 W	< 10 W
DESIGN LIFE	> 10 years	> 10 years	> 10 years	> 10 years
INTEGRATED ELECTRONICS	Yes	Yes	Yes	Yes
TYPICAL DATA INTERFACE	RS-422			



5330 Airport Blvd
Ste 100
Boulder, CO 80301

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