COMPONENTS

Small Satellite Reaction Wheel

- 1.0 Nm-sec momentum @ 6000 RPM
- 100 mNm peak torque
- Digital control of speed or torque
- RS-485 and CAN interface
- 24 V to 34 V power supply
- –40ºC to +70ºC operating temperature
- Diamond coated hybrid ball bearings
- Redundant motor windings
- Redundant power input buses
- Qualified to NASA GEVS levels
- Radiation screening available

Millennium Space Systems manufactures the Sinclair Interplanetary RW3-1.0—under an exclusive agreement—as the RWA1000. Sinclair designs have extensive flight heritage, gained across over 17 microsatellite and nanosatellite launches. Currently, Millennium Space Systems has 20 RWA1000s on orbit.

Ask us about U.S. sourcing of other Sinclair Interplanetary products.

- RWA1000 Reaction Wheel $60,000 FFP
  - Standard part and CDRLs; one thermal cycle ATP
  - Delivery 20 weeks ARO
- NASA GEVS Thermal Vac & Vibration ATP $9,900
  - Per shipset of up to four wheels
- Options Available at Added Cost
  - International shipping
  - Mission-specific qualification testing
  - Radiation parts screening.

Specifications and prices subject to change. Contact Millennium Space Systems for a program-specific quote.

SPEED v. POWER
(Vacuum, Steady Speed, Gravity in Z-axis)

FOR ADDITIONAL INFORMATION, PLEASE VISIT WWW.MILLENNIUM-SPACE.COM