

# Miniature Reaction Wheel

**Status:** Filled

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Identify the key design challenges in adapting the ground based solution for the space environment.

**DELIVERABLES:**

1. Miniature reaction wheel requirements specification.
2. Preliminary Design Review package containing conceptual design alternatives.
3. Critical Design Review package containing final design and interface details.
4. Prototype & breadboards as needed to demonstrate a ground based solution.
5. Test report describing the tests performed and showing how the design compares to the requirements.
6. Discussion of changes required for space environment adaptation.
7. Open issues and recommendations for future work