The background of the advertisement is a composite image. On the left, there is a vertical strip showing a close-up of a complex metal structure, likely part of an aircraft or spacecraft. The main background is a dark space scene with a satellite in the upper right, a colorful wireframe model of a satellite component in the lower left, and a large, detailed 3D rendering of a satellite's internal structure or engine assembly in the lower right. The text is overlaid on this space-themed background.

Next Generation Momentum Control System—AMCAS

Advanced Momentum Control Array System

Lighter

Smaller

Less Jitter

Honeywell is taking momentum control systems into the future by offering the integrated Advanced Momentum Control Array System (AMCAS) for satellite applications. Through the synergy of advanced technologies we can simplify your guidance and control development process, optimize your system performance and unlock numerous design options—unavailable until now.

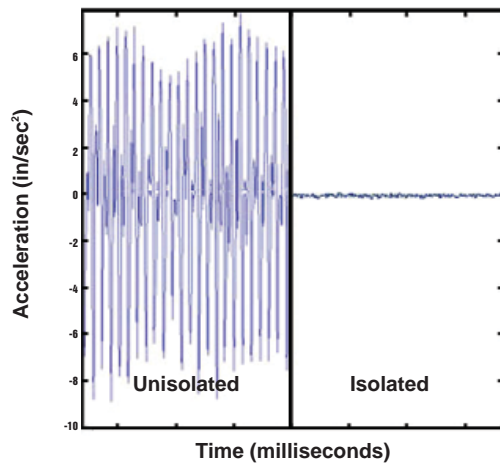
AEROSPACE

New Design, More Options

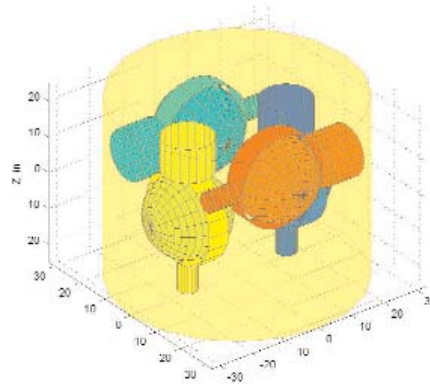
Honeywell's new AMCAS system offers built-in flexibility and savings through reduced weight, volume, and vibration. By applying recent advances in materials, control laws and actuator technologies we can bring you a momentum control system that provides the following benefits compared to conventional systems.

AMCAS BENEFITS:

- Up to 30 percent lighter
- Up to 50 percent smaller
- Increase mission availability
- Ease and reduce integration time and test
- Produce significantly less vibration

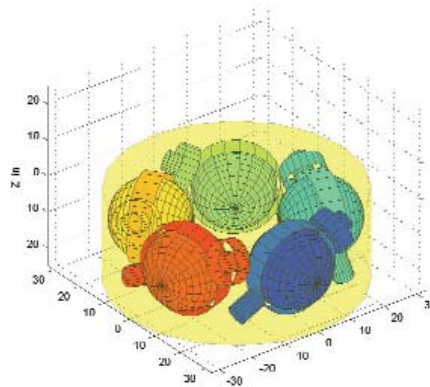


Significantly reduce vibration



From

Relative Weight = 100



To

Relative Weight = 70

Reduce size up to 50 percent and weight up to 30 percent with AMCAS

Ensure Mission Success

For more than 30 years Honeywell has been providing world-class momentum products and systems for a broad spectrum of platforms. To ease your job in integrating AMCAS into your next spacecraft project, we can fully integrate and test our system prior to delivery.

By working closely with you and using our optimization and modeling tools, we can demonstrate performance of your AMCAS spacecraft application on our dynamic test bed.

WITH THE AMCAS TEST BED:

- Conduct up-front modeling and simulations
- Validate modular and scalable designs
- Experiment with various attitude, momentum and vibration control scenarios and interactions
- Verify new control schemes and code
- Test hardware and software in an open or closed looped test environment
- Refine control laws

Honeywell

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