



Engineering is at the heart of what we do best at TiNi Aerospace. Even though we have developed an increasing number of Commercial Off The Shelf (COTS) products, we are continually asked to design and develop new actuator configurations based on our core SMA technology. As a young company we are proud to have developed products used by such international organizations as NASA, ESA, and NASDA, as well as industry leaders such as Lockheed Martin, Boeing, and TRW. Our goal is clear:

We strive to make every project a success by designing and manufacturing innovative mechanisms which are inherently simple and reliable.

TiNi Aerospace also offers its research and development expertise and facilities on a contractual basis for Shape Memory Alloy (SMA) applications. We find that our years of experience working with this unique material helps us to quickly evaluate various concepts, suggest time saving solutions, and help lead the way into production. Depending on the application, an SMA actuator may offer the following benefits:

- Reduced Mechanism Complexity, Size and Weight
- Fast Actuation Time
- Reduced Cost
- Gentle but Forceful Motion
- Greater Efficiency and Work Output

Research and development is an enjoyable part of Engineering and we welcome the opportunity to develop, or to help develop, other SMA actuators for various applications. To do this our engineers are equipped with the latest in computer aided design software, including ANSYS, AutoCAD, Pro Engineer, and Inventor.

