



### **Aztech Locknut Company**

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## **WITH YOU EVERY STEP OF THE WAY**

*From Design to Manufacturing*

Aztech Locknut Company's Technical Support is now even more comprehensive. As manufacturers strive to improve products and assembly integrity, technical support with locknut applications is moving from important to essential. Aztech Locknut has stepped up to fill this need by offering assistance to our distributor customers involved in product recommendation, installation evaluation, or assembly design/review.

Aztech Locknut can provide up front co-engineering services with your design engineers to ensure a trouble-free transition from design to manufacturing. Or, we can perform a comprehensive review on failed assemblies or inconsistencies identified on the plant floor to determine failure mode(s) and solutions.

Our UNIQUE TO LOCKNUT guidance includes:

#### ***Locknut Mechanical Requirements:***

- Prevailing torque & Thread fit
- Proof and clamp load
- Hardness and micro-hardness considerations
- Assembly vibration analysis

#### ***Mating Part & Assembly Evaluation:***

- Hardness compatibility
- Contributing male thread characteristics
- Run down length and assembly speed
- Removal and re-install frequency

#### ***Plating Effects and Options:***

- Environmental considerations
- Plating options and their effect on prevailing torque
- Post-plating lubrications

#### ***Cost - Benefit Analysis:***

- Standard Locknut product options
- Product standard vs. application specific special
- Defect rate tolerance
- U.S.-made content
- Comparison testing between products and/or suppliers

More than ever, when you seek application support with locknuts, Aztech is your best resource to assist you with your engineering and technical needs. For more information visit [www.aztechlocknut/techsupport](http://www.aztechlocknut/techsupport). 