



# NUFORM CAM System

- ★ *A. S. Thomas, Inc. is a high technology firm with over 45 years of research, engineering and manufacturing experience. The following are a few of the products developed by A. S. Thomas, Inc.*

# Software Products

- ★ NUFORM Level-II high performance 3, 4, 5, 6-axis CAM system.
- ★ Expert/Knowledge systems provide numerous manufacturers with significant competitive advantages.
- ★ SCROLL-EX automated feedscrew manufacturing
- ★ Advanced Manufacturing Technologies improving blade manufacture and other sculptured surface production.
- ★ Interactive NUFORM. provides state of the art manufacturing capability for all lathes, mill-turn, laser, plasma, flame cutters, 2-1/2 axis machining centers, etc.

# NUFORM Level-II

## 5-axis Steam Turbine Bucket Machining

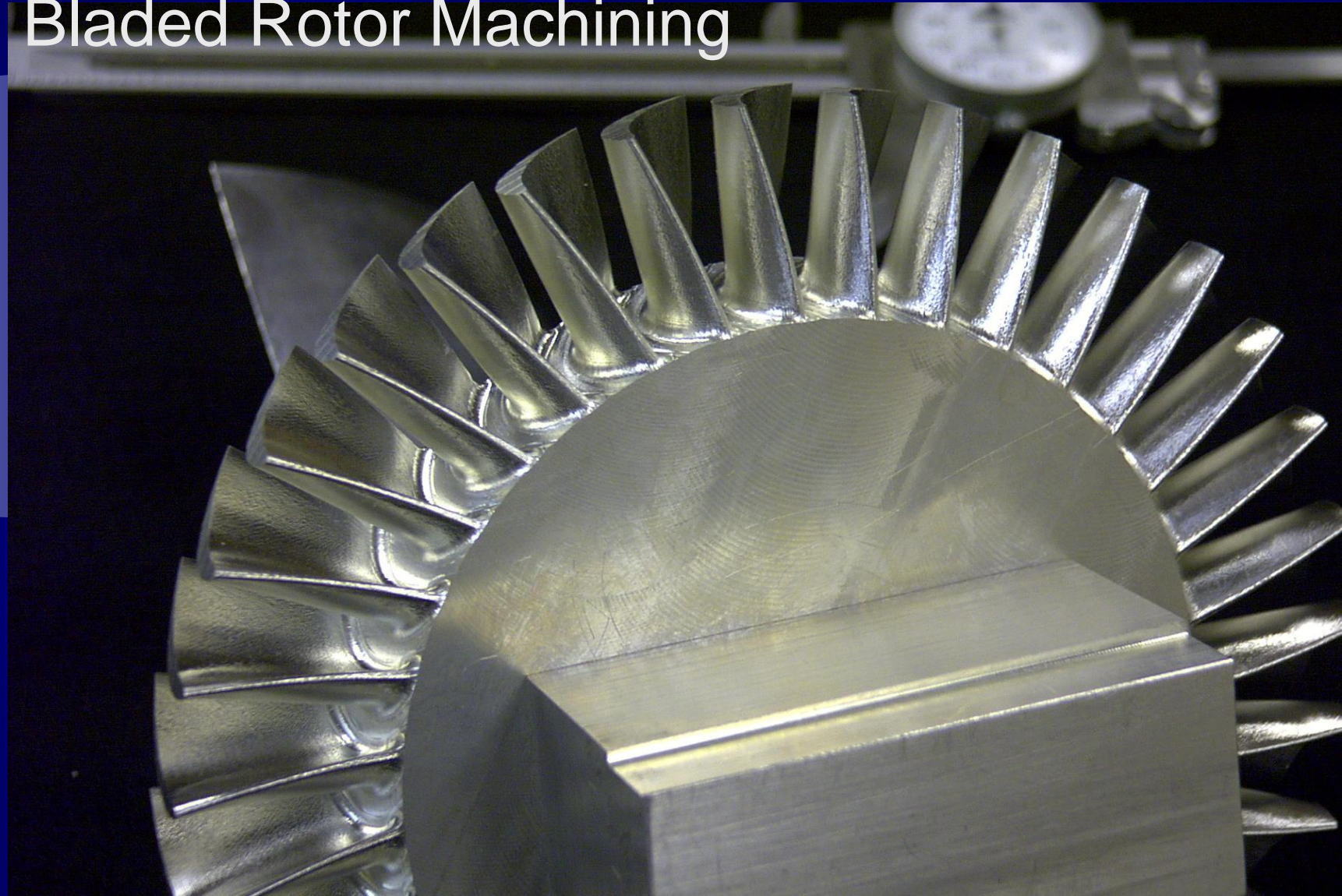






**A.S. Thomas, Inc.**  
Advanced Manufacturing Solutions

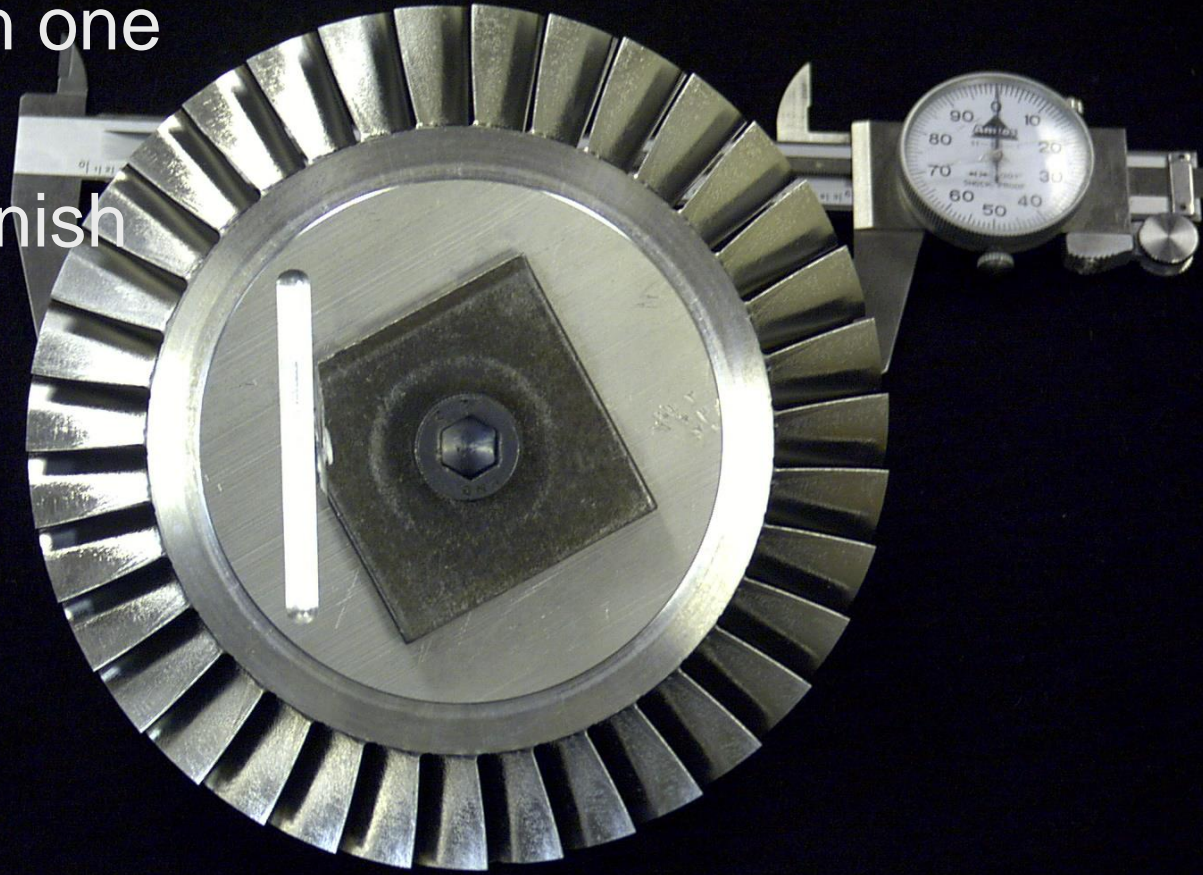
# NUFORM Level-II Bladed Rotor Machining





# Bladed Rotor

- ✦ Machined in one set-up.
- ✦ No Hand Finish Performed.

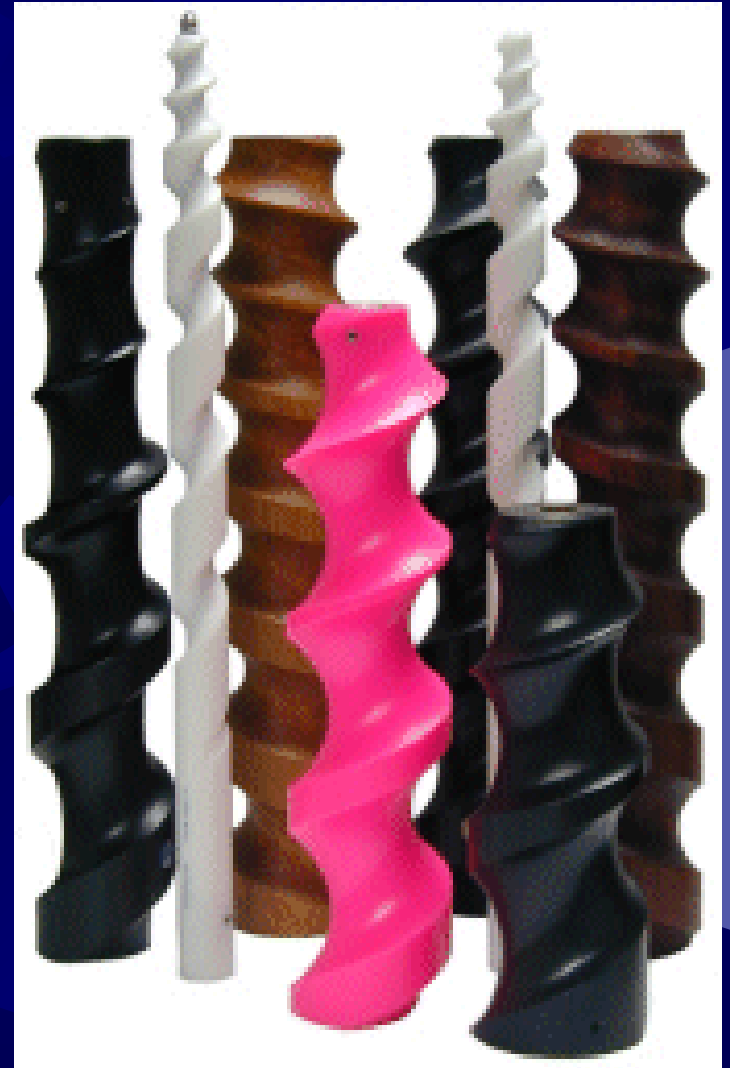




**A.S. Thomas, Inc.**  
Advanced Manufacturing Solutions

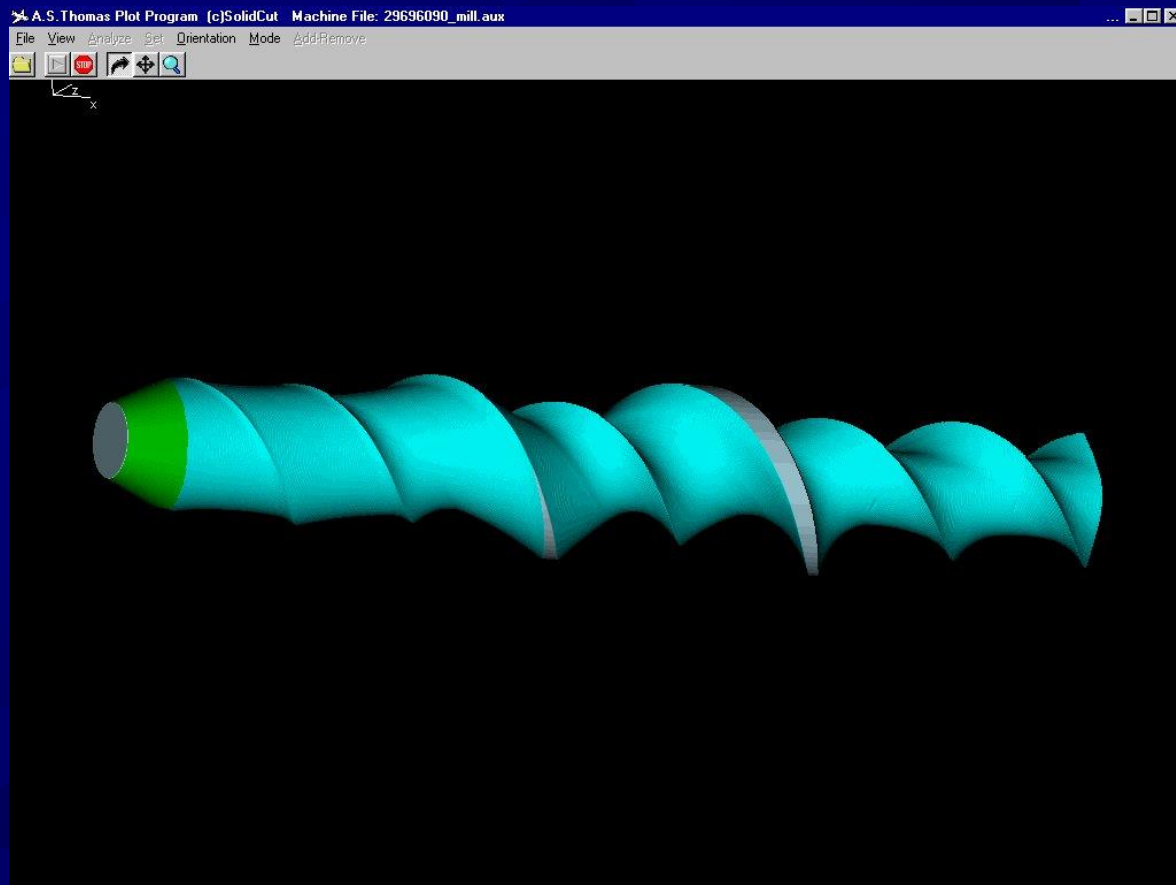
# SCROLL-EX Timing Screws

- ☀ All types of timing screws may be readily designed and manufactured with the SCROLL-EX Timing Screw Software.



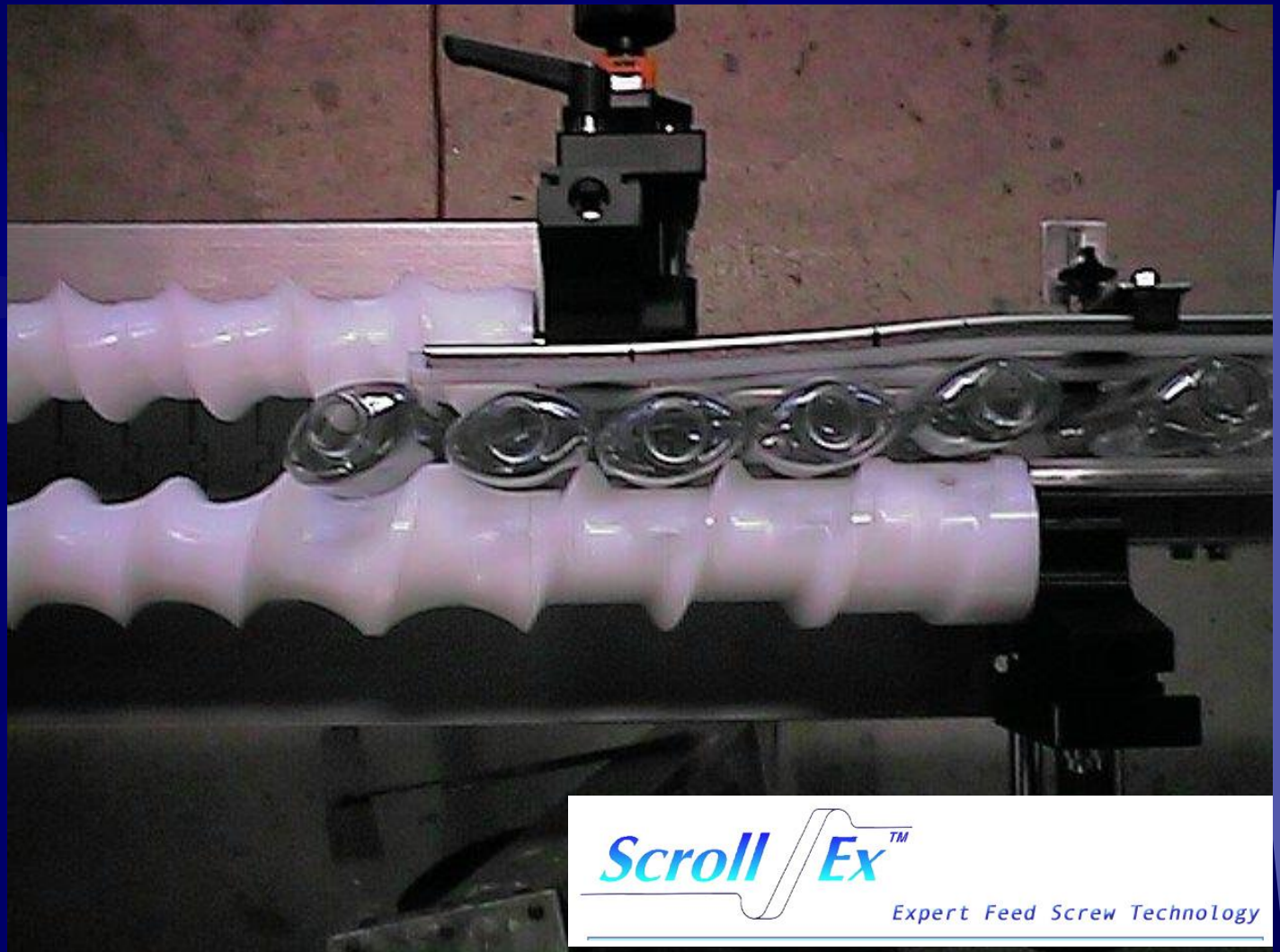
# SCROLL-EX

## ☀ Double helix screw





# Feedscrews in action



**Scroll / Ex™**

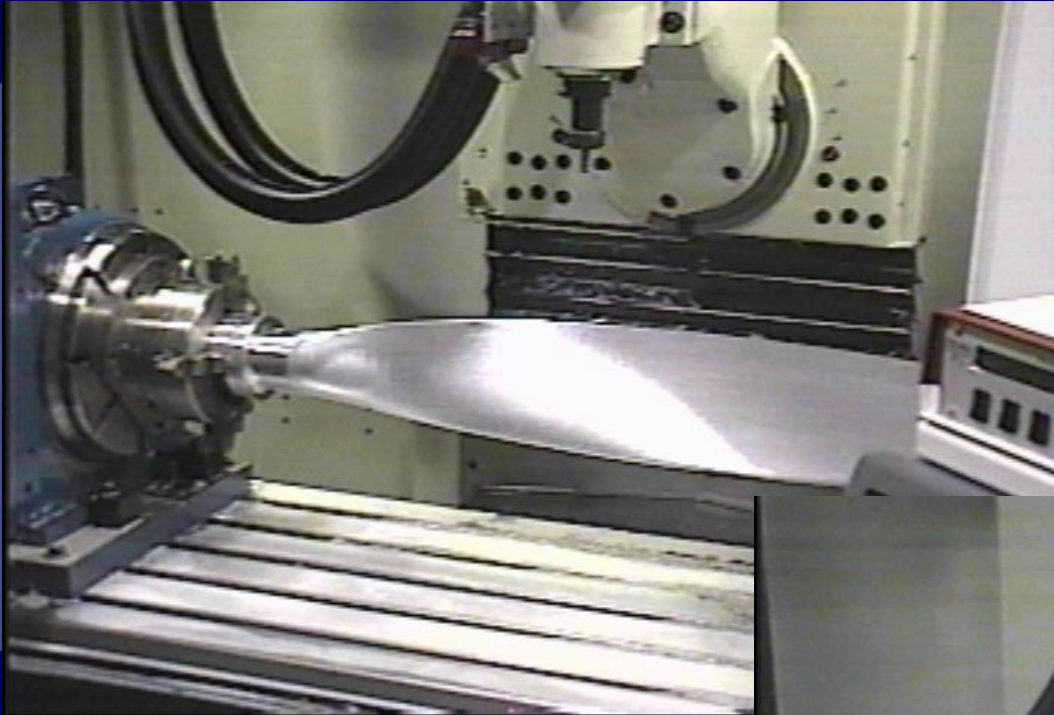
Expert Feed Screw Technology





**A.S. Thomas, Inc.**  
Advanced Manufacturing Solutions

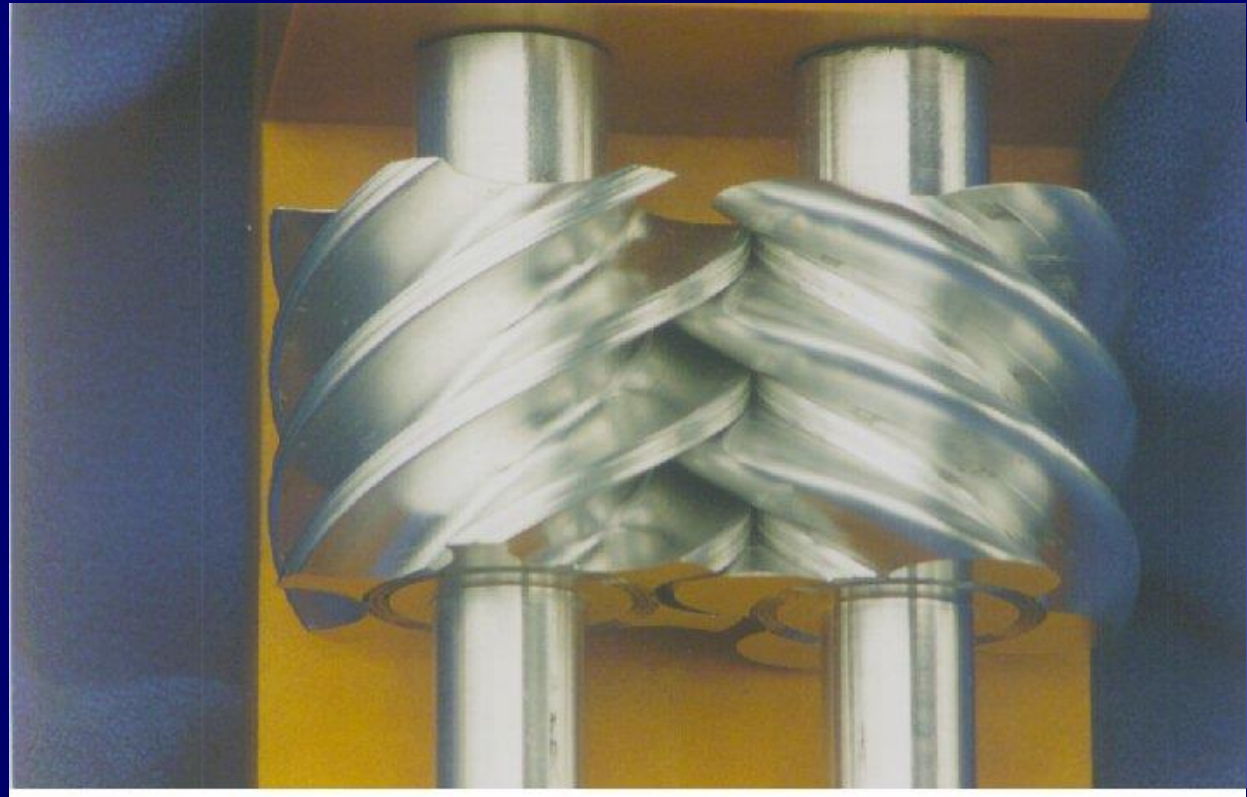
# Propeller Machining





**A.S. Thomas, Inc.**  
Advanced Manufacturing Solutions

# 50 mm Rotor Set



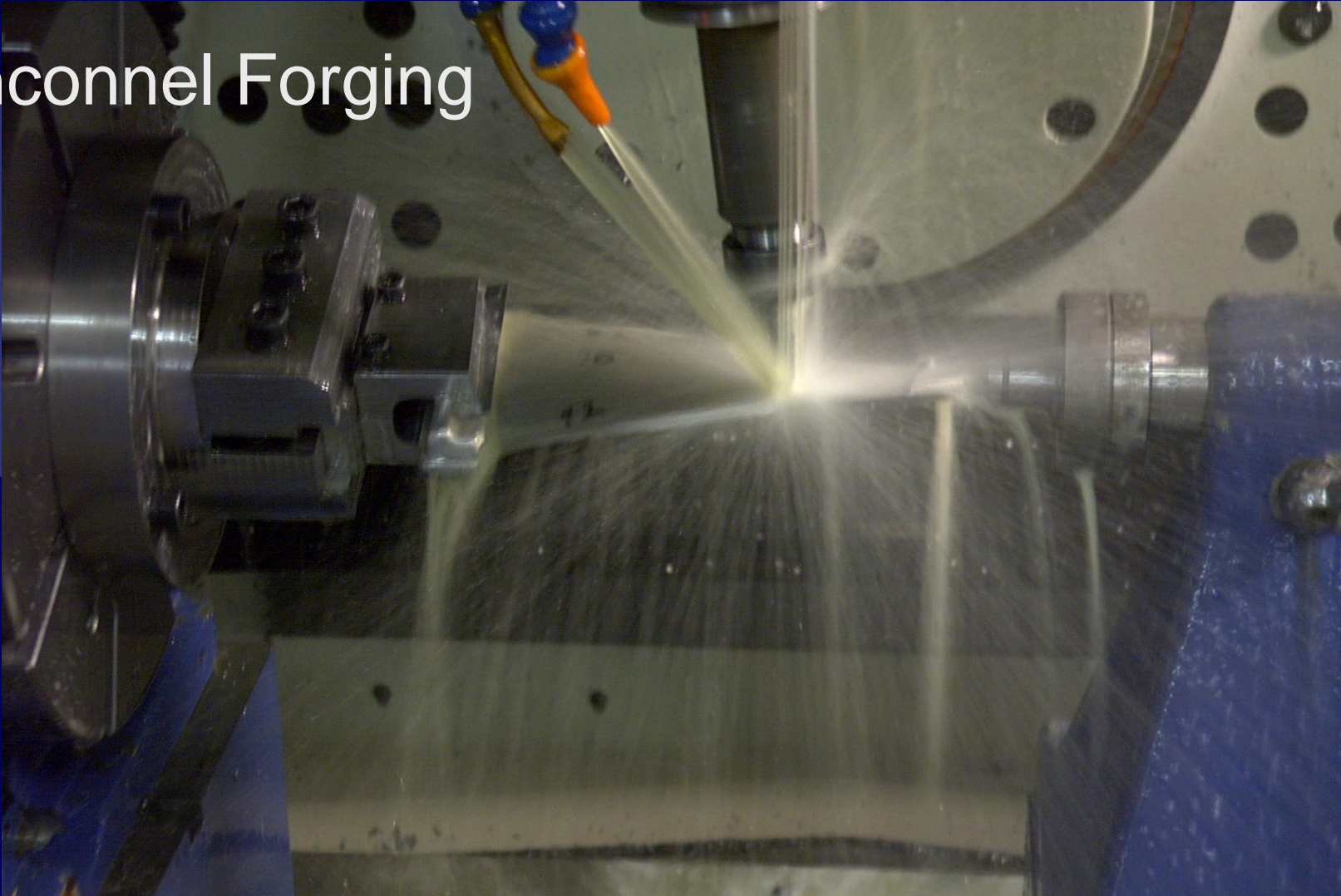




**A.S. Thomas, Inc.**  
Advanced Manufacturing Solutions

# Thomas Milling

Inconel Forging







**A.S. Thomas, Inc.**  
Advanced Manufacturing Solutions

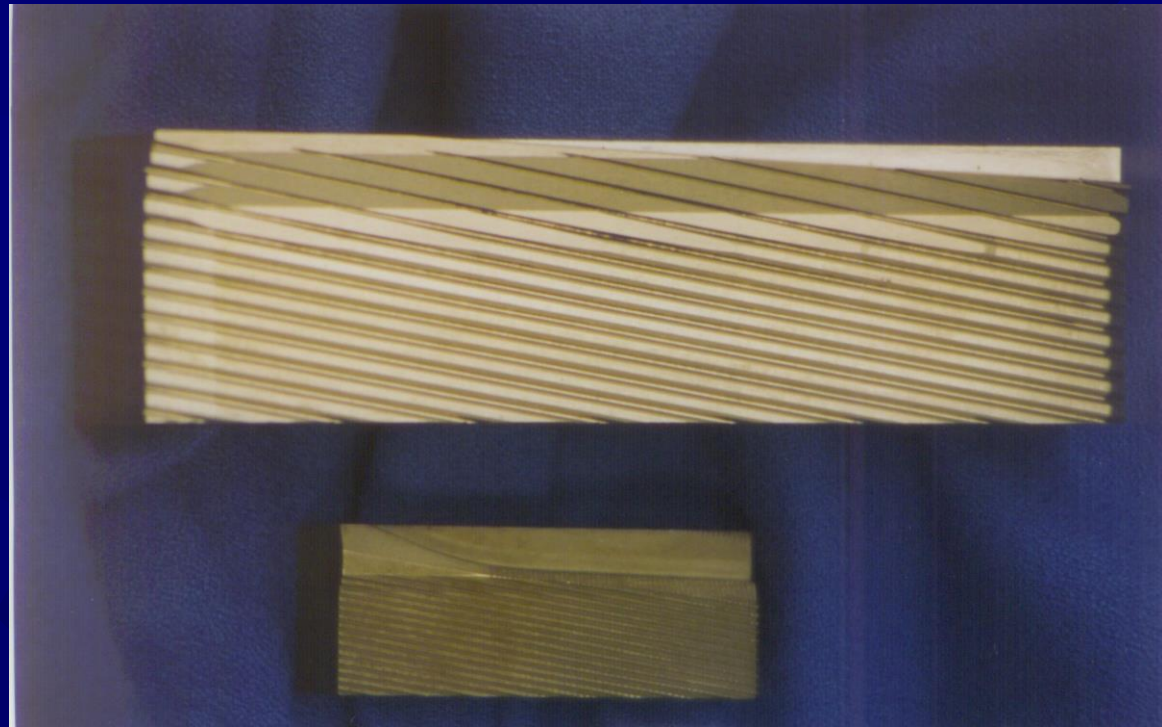
# Finished Inconel Blade





**A.S. Thomas, Inc.**  
*Advanced Manufacturing Solutions*

# Thread Rolling Dies

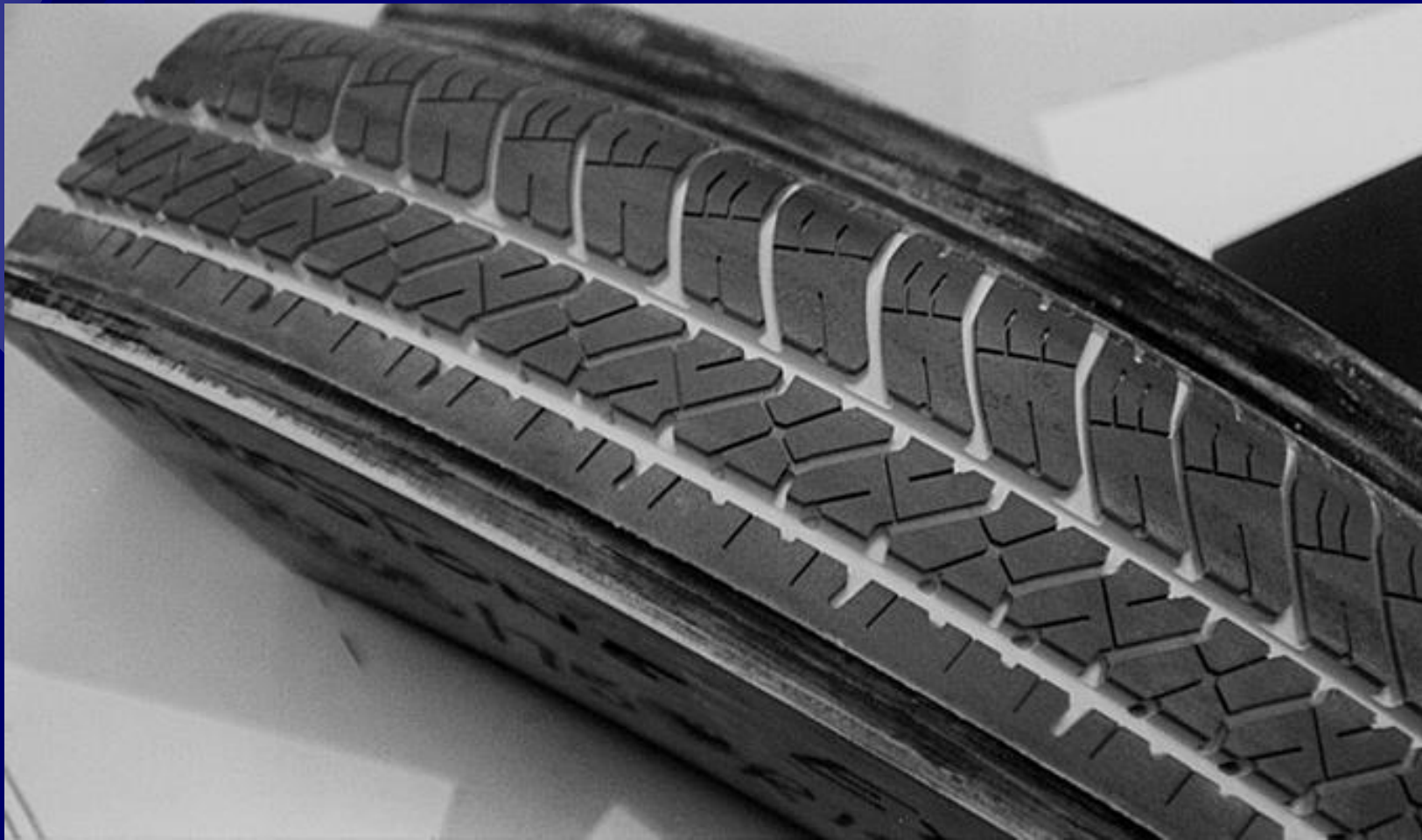






**A.S. Thomas, Inc.**  
Advanced Manufacturing Solutions

# Tire Mold Master





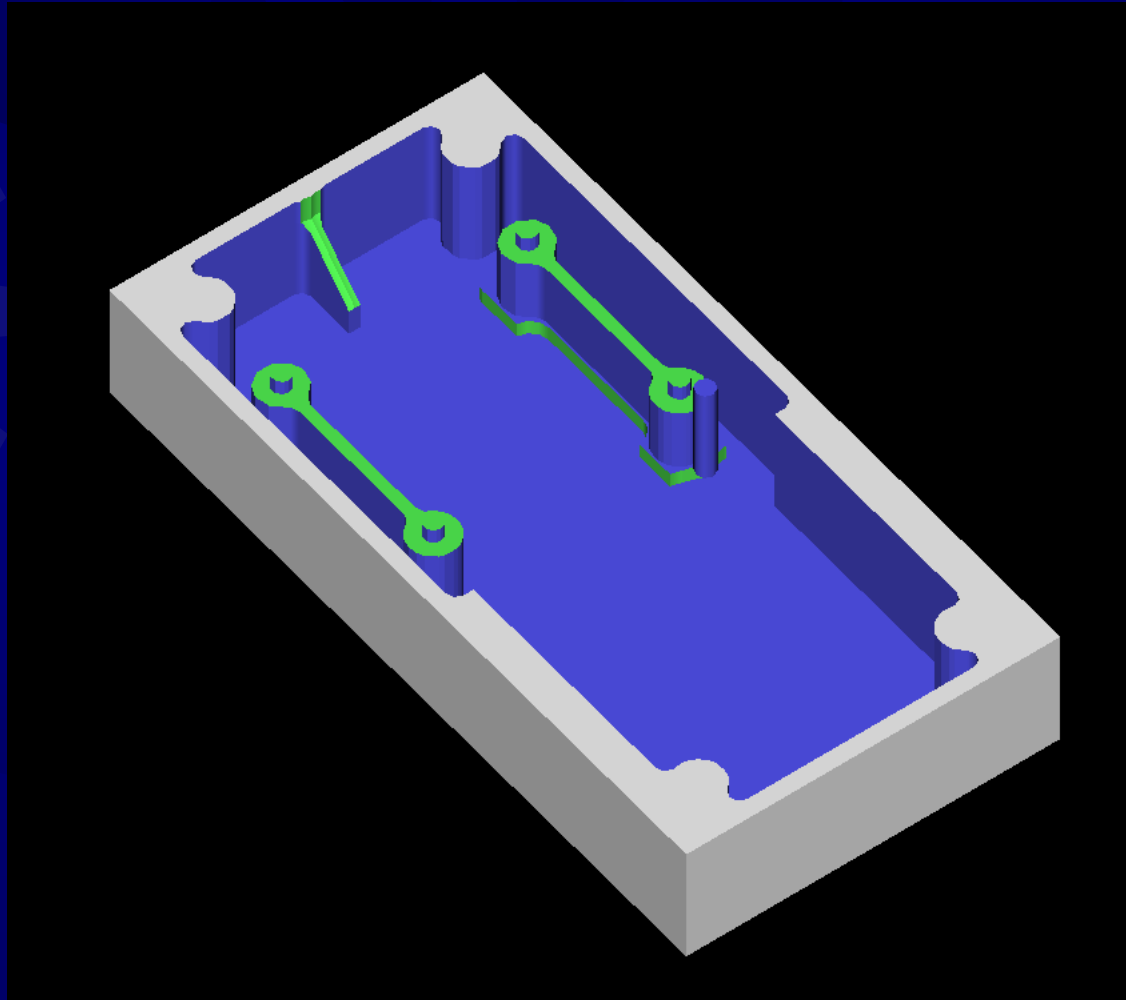


**A.S. Thomas, Inc.**  
Advanced Manufacturing Solutions

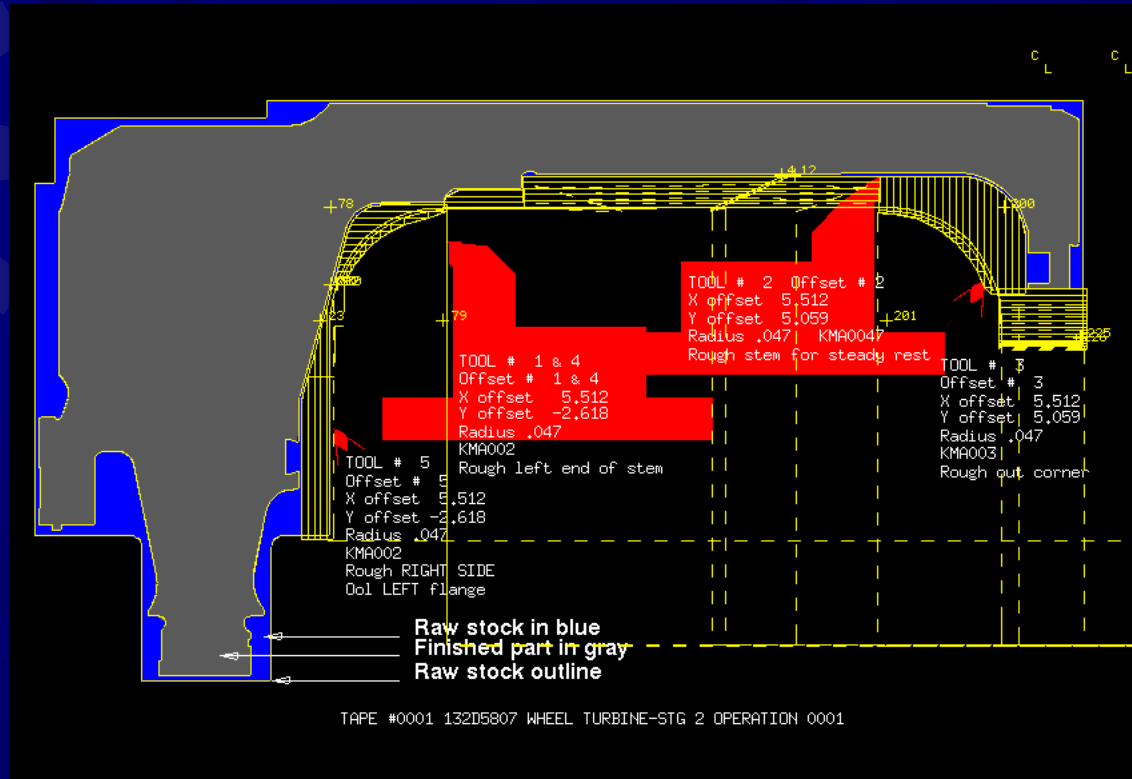
# Large Aircraft Blade



# Interactive NUFORM Level-I



# NUFORM Level-I Lathe







**A.S. Thomas, Inc.**  
*Advanced Manufacturing Solutions*

# A. S. Thomas, Inc.

44 Industrial Way

Norwood, MA 02062

(781)329-9200

[Sales@asthomas.com](mailto:Sales@asthomas.com)

<https://asthomas.com>