

# Understanding the Basics Titanium (DVD)

Titanium's capabilities and applications are remarkable -- from its use in aerospace to medical prosthesis to sporting goods. The video begins with a brief description of what titanium is, how it was discovered, and where it is found.

To understand why titanium is used, the video describes its many properties: light weight, corrosion resistance to many chemical environments, high melting point, and non-metallic. Titanium also transfers heat very well and displays high immunity to most mineral acids and chlorides. In addition, it's nontoxic, making it ideal for medical and dental applications.

The video also shows many of titanium's most important uses in aerospace (jet engines), medical and dental (surgical implants), marine (petroleum production components and ship design), automotive (high-performance engine parts), and consumer sporting goods (golf, tennis, and cycling equipment). Because of titanium's physical, mechanical, and chemical properties, the number of applications will undoubtedly grow.

This video is designed for:

- New employees working with a particular material or process
- Sales and purchasing personnel
- Engineers from related disciplines (electrical, design, manufacturing, mechanical)
- Managers from departments that interact with materials engineering

Format: Video (22 minutes). Published by ASM International.

# TITANIUM INFORMATION GROUP

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