

Titanium Infrastructure: Railways



Making Titanium Affordable

Outline

- Who We Are
- The Technology
- Titanium's Attributes
- Environmental Benefits
- Railways





We Are...

- Company Name
 - Tiller International Capital
 - TillerCapital.com
 - Amalgamated Titanium Int'l
 - AmalgamatedTi.com
- Titanium Technology Company
- We Make Titanium Products Affordable
- We Make Titanium Available On An Infrastructure Scale



- Tiller Formed in 1972
- 2000+ Completed Projects
- 160,000 Employees
- 76 Countries

INDUSTRIES:

- Energy
- Oil & Gas
- Pipelines
- Infrastructure
- Mining
- Rare Earth Metals
- Industrial
- Automotive
- Engineering
- Etc...

We Are Part Of...



TITANIUM TECHNOLOGY



WHO DEVELOPED The Titanium Tech?

- **Developed For:**
 - DOD / NASA
- **When:**
 - During the Cold War
- **Why:**
 - To Counter Titanium Weapons Tech
- **By Whom:**
 - U.S. Tech & Scientific Team
 - TillerATI Team
- **Ownership:**
 - TillerATI via Space Act Agreement



The Technology

- Comprehensive Titanium Manufacturing Technology
- Affordable
- Mass Production Scale
- Infrastructure Scale
- Mobile Field Production
- Metallurgical Surface Treatments
 - Heat, Pressure, Galling
- Engineer to Accommodate Tech

Titanium's Attributes



- Environmentally Friendly
- 45% Lighter
- 100% Corrosion Free
- 200% Stronger
- Highest Strength-to-Weight Ratio
- Greater Durability
- Greater Yield
- Greatly Abundant
- Now Affordable

Titanium's Environmental Benefits

- Impervious-To-Corrosion
 - Even in Saltwater
 - Reusable 100%
 - No Bio-Contamination From Pipe Degradation
 - No Internal/External Contaminants Leaching Through Degraded Pipe
 - Naturally Anti-Microbial
 - Bio-Compatible With Human Body



Titanium's Environmental Benefits Continued...



- Reduced Enviro Disruption
 - Greater Life-Expectancy
 - Greater Strength
 - Reduced Cost
 - Reduced Wear From Use
 - Reduced Erosion Rates
 - Reduced Maintenance & Replacement
 - Greater Resilience vs. Natural Disasters & Accidents
- Greater Safety
- 9th Most Abundant Element In Earth's Crust
- Modernity & Visual Beauty



Sustainable
Infrastructure



RAILWAYS

Titanium Rails

- 100% CORROSION FREE
 - Problem Areas
 - Coastal Areas
 - Tunnels, Underground Railways
 - Crossings (buried foot)
 - Contamination Areas
 - Water, Mineral, Bio-Matter



Most Durable Rail

- Stronger
- Greater Life-Expectancy
- Greater Cost-Efficiency
- Reduced Wear From Use
- Reduced Maintenance
- Reduced Replacement
- No Coating
 - Penetration Risk
 - Corrosion Risk



Lightest Rail

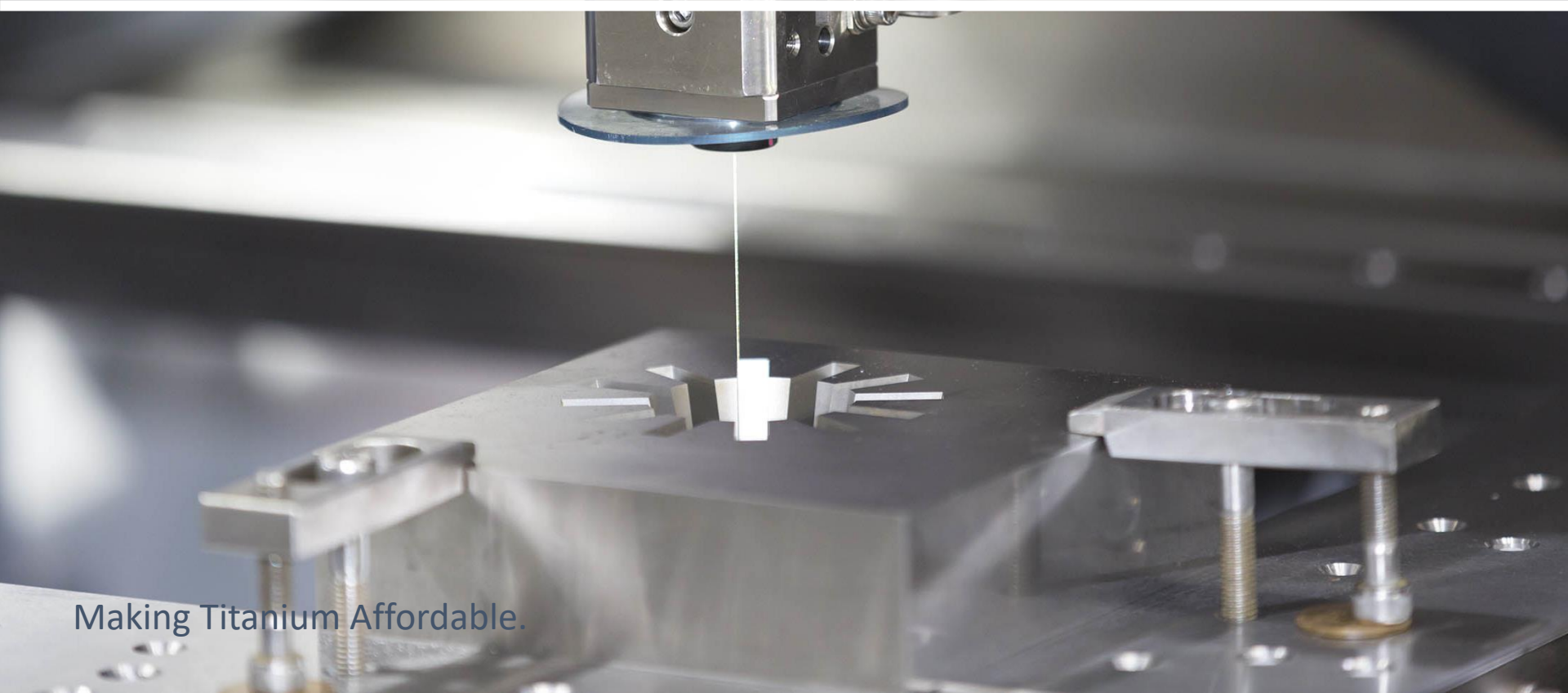
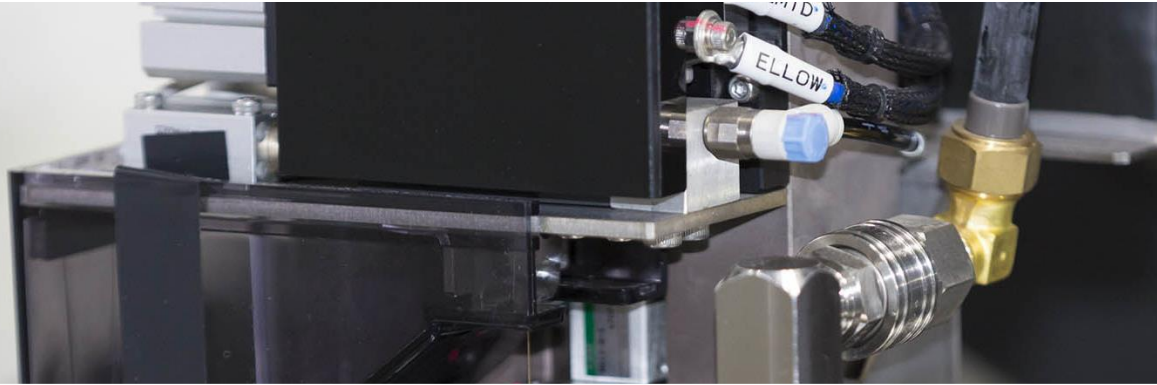
- 45% LIGHTER
- More Cost-Efficient
 - Transport
 - Install
 - Maintenance
 - Replacement





Rail Types

- Welded Rail
 - Field Robotic Welder
 - User Friendly
 - More Cost-Efficient
 - Faster Install & Maintenance
 - Highest Quality
- Sectional Rail



Making Titanium Affordable.