TITANIUM AND THE AUTO RACING INDUSTRY
TMS Titanium is TITANIUM FOR RACING
History of TMS

• From the beginning, accessibility, variety of industries have been important
• Focus on education & benefits
• We transform ideas into reality
Demystifying Titanium

• Drag Racer article steered us towards racing industry
• Transformation from race fans into industry experts
Titanium as a Wonder Metal

• Unlocking the mysteries of titanium – how do you cut, weld, and machine?
• Remnant stock: practice makes perfect
How to cut titanium:

Band saw – Plasma – Waterjet – Shear cutting
How to Weld Titanium

• TIG weld most commonly
• Titanium cannot be welded to anything but titanium
• Protect the metal with argon shielding
• Never allow atmosphere exposure above 800F
How to Machine Titanium

• Increase feed, decrease speed
• Flood with coolant
• No lights out operations
• Manage fire prevention
Titanium on the Track

• Half the weight of steel
• Attractive material for constructing a race car
• Less stress and damage on car
• Drivers at minimum weight can use Ti to get car below min. weight and add back in other places
TMS TITANIUM IS USED IN MANY OF THE TOP RACE SERIES, INCLUDING:

With more series added every year!
Titanium and the Auto Racing Industry

John Medlen from John Force Racing
What can TMS Titanium do for you?

• Buy and sell titanium
• Inventory caters to the commercial industries
• Located is in the midst of the southern California aerospace manufacturing area
TMS Titanium Online Catalog

- Find remnants and old stock
- Buy at the click of a button 24/7
- Most items ship next business day
- What is missing from the catalog?