

Atlas Pressed Metals  
presents PM 101

# Understanding Sintered Metals

## Course Topics:

- ◆ Material
  - Powder Types
  - Steel, Stainless Steel, Brass, Bronze
  - Powder Manufacturing
  - MPIF Standards
  - Material References
  - Design Selection
- ◆ Powder Metallurgy Process
  - Molding
  - Methods to Form Sintered Metal
  - Tools and how they are used
  - Step by Step instruction
  - Sintering
  - Furnace Types
  - Particle bonding during process
  - Sintering Process
- ◆ Secondary Operations
  - Sizing
  - Resin Impregnation
  - Lubrication Impregnation
  - Machining
  - Grinding & Honing
  - Heat Treatment
  - Platings & Coatings
  - Steam Treatment
  - Vibratory Deburr
- Welding Sintered Metal
- Industry "Rules of Thumb"
- ◆ Advantages of Sintered Metal
- ◆ Opportunities for Conversions
- ◆ *And more...*

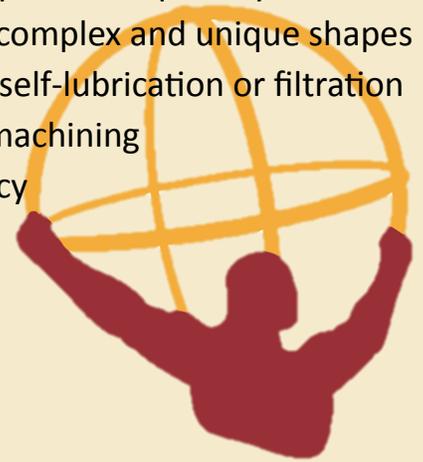


*What is sintered or powdered metal?*

Learn from Industry Experts

## Process Benefits include:

- Net or Near Net Shape product capability
- Ability to manufacture complex and unique shapes
- Controlled porosity for self-lubrication or filtration
- Eliminate or minimize machining
- High Volume Consistency
- High quality results
- Cost effective
- Less waste
- Green Technology



**Schedule a complimentary  
Understanding Sintered Metals course  
for your company today!**

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