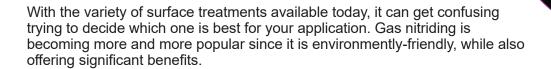


10 Tips for When to Use Gas Nitriding





- 1. 100% nitride coverage of parts is needed
- 2. Higher volumes need to be processed
- 3. Small parts are being used
- 4. Complex geometries are an issue

AHT Gas Capabilities

- 160" in diameter
- 360" in length
- 60,000 lbs. in weight
- Corrosion resistance is required (AHT's trademarked UltraOx® process provides 240+ hours per ASTM B117)
- **6.** Deeper compound zones are required (for highly abrasive applications, sliding wear corrosion resistance, oil retention)
- 7. Limited compound zones are required (Automated Gaseous Nitriding Controlled by Nitriding Potential, per AMS 2759/10A)
- 8. K_N control is critical
- **9.** Controlling porosity within the compound zone is important (Gaseous Nitrocarburizing, Automatically Controlled by Potentials per AMS 2759/12)
- Clean parts are needed no residue that needs to be cleaned off, as with Salt Bath Nitriding/QPQ

Gas Nitriding is offered in Iowa, Alabama and Michigan.
Visit www.ahtcorp.com or contact your AHT representative to learn more.