

IN-LINE GEAR HARDENING FOR AUTOMOTIVE, TRANSMISSION & BEARINGS

*Single-Piece Flow Case Hardening Using Low Pressure
Carburizing & High Pressure Gas Quench*

UniCase Master[®]

Precision Heat Treating for High-Volume Gear Manufacturers



rough machining

heat treatment

finish machining

High Production Efficiency

- Lean Manufacturing Compatible
- Throughput up to 1 million gears per year
- Footprint, 16.5ft x 16.5ft (5m x 5m)

Outstanding Quality

- Ideal repeatability of case hardening results for every single piece
- 4D quenching for minimal distortion
- Single piece monitoring and reporting

Benefits & Savings

- Minimize final machining costs
- Eliminate batch heat treat logistics
- Eliminate fixturing costs and energy consumption
- Eliminate oils, chemicals and washer systems
- Flexible production, on demand start-up and shut down
- All of the same advantages of modern low pressure carburizing and high pressure gas quench technologies
- Fully automated, continuous operation
- Clean, environmentally friendly technology



www.secowarwick.com

Contact Michael Lister for More Information
michael.lister@secowarwick.com

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Invention meets Reliability