



PRECISION CONTROLLED NITRIDING FURNACE

RELIABILITY, EXPERTISE,
SERVICE & SELECTION

PRECISION CONTROLLED NITRIDING SYSTEMS

Heating: Gas or Electric

Temperature Range: 350°F - 1350°F

Retort: 310 stainless steel

Insulation: Ceramic fiber

Processes: Nitriding, nitrocarburizing,
tempering, stress relieving

Typical Atmospheres: Ammonia, dissociated
ammonia, nitrogen, carbon dioxide, air

GROSS LOADING (LBS.)	LOAD SIZE (IN.)		
	Width	Length	Height
4,000	48	48	40
7,000	48	72	40

Custom engineered sizes available upon request

STANDARD FEATURES

- AMS 2750-compliant temperature uniformity
- Meets AMS 2759/10 and 2759/12 requirements
- Atmosphere analyzer for automatic K_N and K_C control
- Vacuum pump for rapid chamber evacuation
- Electromechanical door clamping system
- Electronic process gas flow control
- Internal retort fan and inner baffle for atmosphere recirculation
- Integrated PLC logic control and HMI for ease of operation

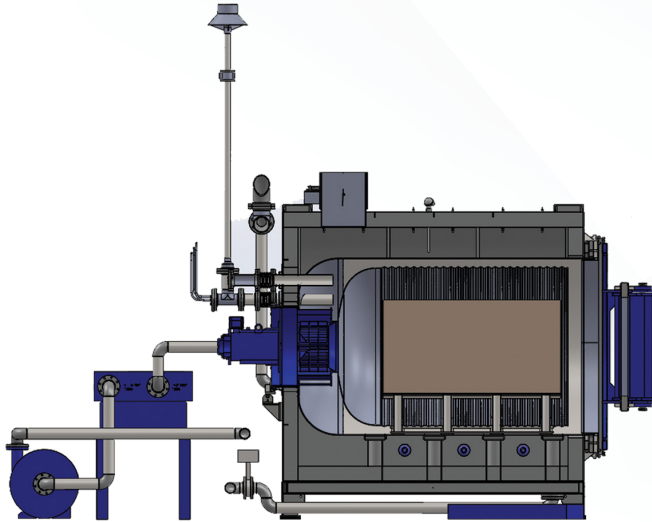
OPTIONS

- Pre- and post-oxidation control
- Ammonia dissociator
- Rapid cooling system to reduce cooling time
- Alternate retort materials upon request



MADE IN THE USA

Cut-away view of interior



*Precision Controlled Nitriding Furnace
Front view, loading door open*



Cycle diagram including pre- and post- oxidation

