

Equipment list

11 - Integral Quench Furnaces :(W.H.L)

- #230 - • 36 x 36 x 48 (3500#) – cold oil quench (90°-150° F)
 - #231 - • 36 x 36 x 48 (3500#) – cold oil quench (90°-150° F)
 - #232 - • 36 x 36 x 48 (3500#) - top cool design & cold oil quench (90°-150° F)
 - #233 - • 36 x 36 x 48 (3500#) - top cool design & cold oil quench (90°-150° F)
 - #234 - • 36 x 36 x 48 (3500#) - top cool design & cold oil quench (90°-150° F)
 - #235 - • 36 x 36 x 48 (3500#) - top cool design & hot oil quench (200°-250° F)
 - #236 - • 36 x 48 x 72 (6000#) - top cool design & cold oil quench (90°-150° F)
 - #237 - • 36 x 48 x 72 (6000#) - top cool design & hot oil quench (200°-250° F)
 - #238 - • 36 x 52 x 72 (8000#) – hot oil quench (200°-250° F)
 - #239 - • 44 x 56 x 72 (9000#) – hot oil quench (200°-250° F)
 - #440 - • 44 x 56 x 72 (9000#) – cold oil quench (90°-150° F)
- Processes: Carburizing, Carbonitriding, Neutral Hardening



Draw Furnaces :(W.H.L)

- #109 - • 300-1400° F, gas fired, 8000# Capacity – 36” x 36” x 72” Work Zone
- #110 - • 300-1400° F, gas fired, 8000# Capacity – 36” x 36” x 72” Work Zone
- #115 - • 300-1250° F, gas fired, 8000# Capacity – 36” x 36” x 72” Work Zone
- #200 - • 300-500° F, electric, 4000# Capacity – 48” x 48” x 76” Work Zone
- #201 - • 300-500° F, electric, 4000# Capacity – 48” x 48” x 96” Work Zone
- #210 - • 300-775° F, electric, 4000# Capacity – 60” x 60” x 96” Work Zone
- #206 - • 300-500° F, electric, 3000# Capacity – 48” x 48” x 72” Work Zone
- #217 - • 350-1400° F, gas fired, 9000# Capacity – 44” x 56” x 72” Work Zone
- #218 - • 300-800° F, gas fired, 4000# Capacity – 36” x 36” x 48” Work Zone
- #219 - • 300-800° F, gas fired, 4000# Capacity – 36” x 36” x 48” Work Zone
- #220 - • 300-1400° F, gas fired, 4000# Capacity – 36” x 36” x 48” Work Zone
- #221 - • 300-1400° F, gas fired, 4000# Capacity – 36” x 36” x 48” Work Zone
- #222 - • 300-1400° F, gas fired, 4000# Capacity – 36” x 36” x 48” Work Zone
- #247 - • 300-1250° F, gas fired, 8000# Capacity – 36” x 36” x 72” Work Zone
- #248 - • 300-450° F, electric, 8000# Capacity – 36” x 36” x 72” Work Zone
- #249 - • 300-800° F, gas fired, 8000# Capacity – 36” x 36” x 72” Work Zone
- #250 - • 350-1400° F, gas fired, 9000# Capacity – 44” x 56” x 72” Work Zone
- #259 - • 300-700° F, electric, 1500# Capacity – 36” x 24” x 36” Work zone



Continuous Mesh Belt Furnace

- #131 - • 1900/# per hour (belt width 48”)
- Furnace door opening 5”
- System Includes: Harden & Draw furnaces with post wash
- Neutral Hardening, Carburizing and Carbonitriding
- Cold oil quench 90°-150° F



Ferritic Salt Bath Nitrocarburizing Line (Quench, Polish, Quench

- Nitriding bath 228a – 40” Diameter x 72” Work Zone
- Nitriding bath 228b – 40” Diameter x 72” Work Zone
- Nitriding bath 229a – 40” Diameter x 90” Work Zone
- 1) Oxidizing bath 229b

INDUCTION HARDENIN

- #295 Dual Spindle Scanner—Low Frequency—36” Scan Length (125kW 10/100 kHz)
- #296 Dual Spindle Scanner—High Frequency—24” Scan length (50kW 30/100 KHz)

