

### **Thermal Spray Capabilities:**

- 5 x HP — HVOF Spray Systems (JP5000)
- 4 x HVOF Spray Systems (Jetkote)
- 3 x Multi-Process Mass Flow System (HP— HVOF Plasma)
- HVOF Spray System (Diamond Jet)
- HVOF Spray System (OD & ID Gun)
- 5 x Air Plasma Systems
- 3 x Twin Wire Arc Systems
- 3 x Combustion Wire Systems
- 4 x Combustion Powder Systems
- 2 x Combustion Rod Systems
- 2 x Masterjet System
- Rockide System

### **Metallurgical Lab Facility:**

- Sample / Couple Preparation
- Microscopy Evaluation
- Light Optical
- Surface Profile Readings
- Bond Line Contamination
- Micro-Hardness/Macro-Hardness
- Digital Imaging
- Surface Visual Comparators for Cleanliness or Contamination
- Adhesion Tests for Bond and Tensile Strength (ASTM, D4541 & ASTM C633)
- Micrographic Evaluation Complete with Computer Generated Photomicrographs
- Gardner Impact Test

### **Laser Cladding Capabilities:**

- 4KW Laser (Direct Diode)
- 2 x 4 KW Laser (Fiber With  $\geq 4"$  ID Capability)
- Plasma Transferred Arc Systems ( $\geq 2"$  ID Capability)

### **Blasting and Auxiliary Equipment:**

- 3 x Walk in Blast Rooms (Alumina, Silica and Steel)
- 4 x Blast Cabinets (Alumina, Silica and Steel)
- 4 x Motoman 6 Axis Robots
- 3 x Fanuc 6 Axis Robots
- ABB Robots

## **Curtiss Wright/FW Gartner Surface Technologies**

• [info@fwgts.com](mailto:info@fwgts.com) • [www.fwgts.com](http://www.fwgts.com) • toll free 888-439-4872 • Phone 713-225-0010  
25 Southbelt Industrial Dr, Houston, TX 77047 • **ISO 9001:2008 Certified**

**ADVANCED COATING & CLADDING TECHNOLOGIES**

## LATHES:

- LeBlond 32" x 252"
- 2 x Razan 27" x 120"
- LeBlond 32" x 312"
- Lehman 42" x 72"
- National 36" x 120" (8" H/S)
- Clausen 16" x 60"
- Clausen 22" x 120"
- Mazak Quickturn Nexus 350-11 CNC
- Mazak M5 CNC LATHE—24" SWING, 13" Over Cross Slide, 102" CtoC

## GRINDERS – O.D.:

- Norton O.D. 42" x 240"
- Cylindrical —Landis 18" x 72"
- Cylindrical —Landis 36" x 96"
- Cylindrical —Landis 14" x 120"
- Cylindrical —VEB 20" x 110"
- Cylindrical —Ecotech 25" x 165"

## GRINDERS – I.D.:

- Heald Planetary I.D. 10" x 54"
- Heald I.D. 20" x 16"
- Heald 74
- Heald 272
- Churchill Planetary 40" x 96"

## GRINDERS – Spherical/Lapping:

- CNC – ≤10" OD
- Spherical Lapping UP TO 36" OD
- 2 x Spherical Lapping up to 10" OD
- Tool Post-Dumore
- Rotary Surface-Heald 24"

## HONING CAPABILITIES:

- ID Hone 50" x 48" Travel
- Morando 24" x 160"

## MILLS—HORIZONTAL & VERTICAL:

- 5" Bar Horizontal Boring Mill
- Lucas Horizontal 5" BAR, 48" x 60"
- Table, 48" Travel
- 42" Rotary Table
- 4 AXIS Digital Read Out
- Index Milling Machine
- Milwaukee Milling Machine
- Acer Milling Machine
- Stanko Vertical Boring Mill 110"
- Bullard Vertical Boring Mill 96"
- Bullard Vertical Boring Mill 54"
- Bullard Vertical Boring Mill 42"
- Helical Thread Mill 26" x 96"
- Toshiba CNC Vertical Mill—X24' - Y36" - Z84"

## OTHER MACHINERY:

- Drill Presses
- Hydraulix Press
- Straitening Press
- Cincinnati Radial Arm Drill
- Resistance Welder

## SPECIAL SERVICES:

- Portable Gear Puller
- Bearing Warmer 26" x 15"
- Granite Inspection Table 3' x 9'
- Hydrostatic Test Stand

## HEAT TREATMENT:

- Vacuum Furnace
- Bake Out
- Annealing/Quenching

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