



SHOP CAPABILITIES

ISO 9001:2015 CERTIFIED

Our 30,000 square foot facility includes four robotically-controlled spray booths, machining and grinding, as well as an in-house coating laboratory. HTS Coatings has everything to repair and enhance the life of your parts.

THERMAL SPRAY

High Velocity Air Fuel (HVOF)

High Velocity Oxy-Fuel (HVOF)

Plasma

Flame

(Wire and Powder Combustion)

Arc

Spray and Fuse

Four robotically controlled spray booths

30 feet long by 96" diameter, 10,000 lbs

Materials

Chrome Carbide

Tungsten Carbide

Stainless Steel

Bronze

Aluminum Oxide

Chrome Oxide

Stellite®

Colmonoy®

Many more...

MACHINING & GRINDING

Cylindrical Grinding

Up to 27" diameter and 120" center-to-center

Surface Grinding

60" L x 12" W x 11" H

Inside Diameter Grinding

27" DIA x 40" L

Spherical Grinding

Up to 27" diameter

CNC Turning

Up to 22" diameter and 52" center-to-center

Manual Lathes

Up to 36" diameter and 240" center-to-center
with 24" cross over slide

CNC Machining

3 axis, 50" x 20" x 25", 1,500 lbs

WELDING

Plasma Transfer Arc (PTA)

Tungsten Inert Gas (TIG)

Metal Inert Gas (MIG)

Brazing

Materials

Stellite® 6

Colmonoy®

Many more...

LAB & QUALITY TESTING

Hardness Testing

(Micro & Macro)

Metallurgical Evaluation

(Porosity & Structure)

Tensile Testing

Surface Roughness Evaluation

Coordinate Measuring Machine (CMM)

Overall Shop Weight Capacity is 15,000 lbs



HTS COATINGS

Enhancing Life.

www.htscoatings.com

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Whether big or small, thermal spray can repair damaged surfaces and bring new life to most industrial components. Engineered coatings help components operate at peak performance for years to come.



Wear & Erosion

- Increases surface hardness
- Carbide, ceramic, Colmonoy and Stellite coating
- Resists material erosion and galling



Dimensional Restoration

- Replace damaged surfaces with new material
- 420 SS, 316 SS, Inconels and many more
- Surface weld repair



Corrosion

- Resist chemical and environmental corrosion
- Sacrificial coatings such as Thermal Spray Aluminum (TSA)



Cavitation Damage

- Hard coatings protect pump part surfaces from damage caused by cavitation
- Protects casings, impellers, shafts and more



Thermal Barrier

- Engineered coating layers protect components from heat and the associated wear from operating conditions
- Great for turbine blades



Electrical Conductivity

- Create electrically conductive surface
- Guide electrical current away from key components
- Ceramic coating to resist all electrical conductivity



Friction

- Decrease friction with coating roughness down to 0 Ra
- Increase friction for gripping

