

Capabilities Spec

Thermal Spray Equipment (short list)

- Metco HVOF DJ2700
- Metco 7M plasma systems (5)
- Plasmadyne 200 with 2 mini gun extensions
- Metco 5P and 6P systems
- Metco Wire guns
- Tafa Arc Spray systems
- Motoman UP130 Robots (2)
- 9MP feeders (5)
- 9MP DF feeders (2)

Machining Capabilities (short list)

- Okuma LB25 Lathe
- Knuth Proton530 Lathe (CNC)
- Engine lathes up to 24 diameter x 12 feet long
- O D grinders 3
- I D grinders 2
- Rotary grinders 1
- Surface grinders 2
-

Journeyman mill

-
- Bridgeport mills
-
- Miller syncrowave welding
-
- Misc standard shop equipment

Blasting Equipment (short list)

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- 4 pressure cabinets
-
- 2 suction cabinets
-
- virgin Aluminum-oxide grit only

Other Equipment

-
- Standard Inspection Gauges
- Ovens to 5 x 6 x 8 feet Inside

General Electric Aircraft Engine Spray Processes:

Nickel-Graphite thermal spray

F50TF10CLA

F50TF10CLB

Aluminum thermal spray

F50TF11CLA

Nickel-Silicon-Boron thermal spray

F50TF12

Copper Nickel Indium thermal spray

F50TF13CLA

F50TF13CLB

Chromium Carbide thermal spray

F50TF14CLA

Tungsten Carbide Aggregate thermal spray

F50TF15CLA

Nickel Aluminum or Nickel Aluminum Chromium plasma spray for dimensional build-up

F50TF18CLA

Inconel 718 or Rene 80 plasma spray for dimensional build-up

F50TF18CLB

HVOF thermal spray for dimensional build-up

F50TF18CLC

Copper-Zinc Silver Alloy thermal spray

F50TF19CLA

Nickel-Graphite thermal spray for standard bond coat

F50TF22CLA

Nickel-Graphite thermal spray for improved corrosive resistant bond

F50TF22CLB

Chromium Carbide-Nickel Chromium thermal spray for fine deposits

F50TF25CLA

Chromium Carbide-Nickel Chromium thermal spray for coarse deposits
F50TF25CLB

Cobalt-Molybdenum-Chromium-Silicon Alloy plasma spray with bond coat
F50TF32CLA

Cobalt-Molybdenum-Chromium-Silicon Alloy plasma spray without bond coat
F50TF32CLB

Solid film lubricant coating thermally cured

F50TF33CLA

Cobalt Base Alloy plasma spray for impact wear

F50TF45CLA

Honeywell Spray Processes:

Plasma spray coating deposition
EMS52432

Aluminum/Polyester abradable coating
EMS57735

Nickel/Aluminum for thermal spray

EMS57746

Nickel/Chromium-Aluminum for thermal spray

EMS57748

Metal spray coating for finishes and plating

FP5045

Rolls-Royce Spray Processes:

HVOF spray of Tungsten Carbide for wear resistance

EMS39660A

HVOF spray of Chromium Carbide/Nickel Chromium for wear and fret resistance

EMS39662

Nickel, Chromium, Aluminum, Yttrium plasma spray as an undercoating

EMS56719A

Ytria Stabilized Zirconia for thermal barrier

EMS56722

Nickel-Aluminum composite thermal spray to provide a bond coat

EMS56757E

Nickel-Chromium-Aluminum-Iron-Molybdenum thermal spray for salvage build-up

EMS56762A

Aluminum Alloy-Graphite Composite thermal spray to provide an abradable surface
EMS56764D

HVOF thermal spray coating process

EPS10411A

Aluminum Alloy flame spray to provide an abradable coating to reduce clearance

EPS10456P

Aluminum Bronze plasma spray for abrasion and wear resistance

EPS10463

Yttria-Stabilized Zirconia plasma spray for thermal barrier

EPS10479C

Tribaloy T-800 plasma spray for rub tolerance

EPS10483

Aluminum Graphite for clearance control and rub tolerance

EPS10540B

Dry film lubrication as surface bond
EPS11722B

