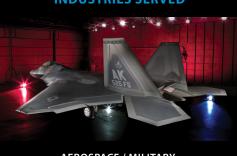
CURTISS

Company Overview

Curtiss-Wright operates the world's largest network of shot peening facilities to meet today's challenging requirements. Located in Windsor, Connecticut and previously known as Metal Improvement Company, we are a full-service shot peening facility with many OEM and industry approvals, including Nadcap and FFL.

INDUSTRIES SERVED



AEROSPACE / MILITARY

Design Challenges and Problems Solved

High-Cycle Metal Fatigue (bending, torsion, vibration)

Thermal Fatigue

Gear Tooth Flank Fatigue (micro-pitting, rolling-sliding contact fatigue)

Precision Texturing/Surface Finish/Drag Reduction

Stress Corrosion Cracking

Markets and Industries Served

Firearms Aerospace **Power Generation** Automotive Military Steelmaking

Industrial **Chemical Processing**



POWER TOOLS

Facility Capabilities and Services

Controlled Shot Peening Dual Shot Peening

Robotic Shot Peening Bead Blasting and Finishing

Glass Bead Peening (wet and dry) Surface Preparation/Abrasive Blasting



FIREARMS

Customer Approvals and Specifications

Pratt & Whitney Rolls Royce **Pratt & Whitney Canada** Honeywell **GE** Aviation Sikorsky **GE Energy** Goodrich

Siemens Power Kaman Aerospace

Hamilton Sundstrand FAA & EASA Repair Station Boeina Federal Firearms License (FFL)



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HELICOPTER

Curtiss-Wright has a full-service coatings application facility with Nadcap and FFL certifications in New Britain, Connecticut (20 miles from the Windsor facility).



Shot Peening Applications

TYPICAL APPLICATIONS



JET ENGINE FAN BLADES



DRIVE SHAFTS



HELICOPTER ROTOR







Engine hubs, disks, blades, shafts, spacers, seals, cases, bearing houses, rotor hubs, swashplates, pitch housings, retention plates, gearbox carriers bearing cages, transmission gears, rod ends, links, bodies

Power Generation Components

Fan/compressor blades Support clamps

Bucket inserts On-site shot peening available

Firearm Components

Firing pins Extractors

Receivers Slide catch levers

Springs

General Industrial and Commercial Components

Power tool nail drivers, engagement dogs

Drive shafts Springs

Gears: all sizes and geometries Sleeves, couplings Steel sheet rollers Welded fabrications

Automotive

Powertrain Components: shafts, gears, flex plates, housings Engine Components: connecting rods, rocker arms, crankshafts

Curtiss-Wright operates a network of over 70 business units in 10 countries performing the following surface treatment technologies:

- · Shot Peening
- · Laser Peening
- $\cdot \, Application \,\, of \, Coatings \, for \, Corrosion \,\, Prevention \,\, and \,\, Solid \,\, Film \,\, Lubrication$
- · Material Testing / Analytical Services
- · Thermal Spray
- · Sale of Coating Products under the Everlube® brand

Please visit our website at www.cwst.com and select "Find a Location" to see which business units are nearby.

