



Facility Overview

Cleveland, Ohio

Facility Scope & Industries Served

Curtiss-Wright's Cleveland (Twinsburg), Ohio facility supports application requirements such as high-cycle fatigue resistance under bending, torsion, and vibration, gear tooth flank fatigue improvement, contour correction of titanium and aluminum aircraft structures, stress corrosion cracking mitigation, and thermal fatigue resistance through advanced shot peening solutions across aerospace and industrial applications.

Aerospace

Power Generation

Construction

Railroad

Mining

Chemical & Food Processing

Oil & Gas

Military

Automotive

Off-Highway Vehicles

Industrial

Recreational Vehicles

Facility Capabilities & Services

- Shot Peening
- Glass Bead Peening
- Peenforming
- ID Pipe Directional Peening
- On-Site Shot Peening
- Dual Shot Peening
- Glass Bead Blasting
- Contour Correction
- Precision Texturing
- Paint / Rust Removal

Customer Approvals & Specifications

AS 9100	AMS 2430
ISO 9001:2015	AMS 2432
Nadcap	AMS-S-13165
GE Power / Locomotive	Sikorsky
AAR / ORX	Boeing Aircraft
General Dynamics	General Electric
Moog	American Axle Mfg.
Hamilton Sundstrand	BAE

Shot Peening Applications

Aircraft and Rotorcraft Components

Engine Main Shaft, Propellers and Rotors, Wings, Fuselage, Landing Gear, Blades, Hubs, Bearing Cages, Structures (spars and struts), Transmission Gears: All designs

Auto Power Train & Auto Engine Components

Auto Power Train: Flex Plates, Parking Pawls, Gears: All designs, Shafts

Auto Engine: Connecting Rods, Rocker Arms, Crankshafts, Valve Springs

Military, Off Highway Vehicle Components

Suspension Lugs, Wheel Bearing Flanges, Torsion Bars, Steering Flanges

Oil & Gas

Drill Collars, Bits and Rods, Shovel Buckets and Screens, Hydraulic Fracking Fluid Blocks, Trunk Crankshafts

Other Components and Applications

Gears: Large Industrial and Mining, Precision Texturing (architectural), Springs: All designs, Welded Fabrications, Architectural Texturing, Threaded Connections, Tools, Dies, Molds, Powdered Metal (Fatigue & Porosity Sealing)

On-Site Shot Peening

Aircraft Fuselage / Wings, Hydro Water Wheels, Oil Refinery Coker Structure, Gas or Steam Turbines, Mining Ball Mills and Drag Line Gears, Weldments: Pipelines, Railcars, Ships



Contact Information

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