



Facility Overview

Phoenix, Arizona

Facility Scope & Industries Served

Curtiss-Wright's Phoenix, Arizona facility supports application requirements such as high-cycle fatigue resistance under bending, torsion, and vibration, fretting fatigue mitigation, stress corrosion cracking control, thermal fatigue resistance, and gear tooth flank fatigue improvement through advanced shot peening solutions across aerospace and industrial applications.

Aerospace

Power Generation

Construction

Railroad

Mining

Oil & Gas

Military

Recreational Vehicles

Automotive

Off-Highway Vehicles

Industrial

Facility Capabilities & Services

- Controlled Shot Peening
- Glass Bead Peening
- Wet Grit/Glass Peening
- Surface Preparation with Abrasive Blasting
- Glass Bead Blasting and Finishing
- Contour Correction
- On-Site Shot Peening
- Light Rust Removal,

Customer Approvals & Specifications

Nadcap Accredited	GE Aviation
AA Repair Station	Honeywell
Bell Helicopter	Parker Lord
Boeing Commercial	Pratt & Whitney
Boeing Military- & Defense	Safran
Collins	Textron

Shot Peening Applications

Aircraft and Rotorcraft Components

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

Auto Power Train Components & Power Generation

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

Power Generation: Fastener Bars, Rotor Disc / Wheels, Rotor Blades / Buckets, Rotor Shafts

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, Electronic Chassis, Trunk Crankshafts

Other Components and Applications

Feedscrews, Welded Fabrications, Threaded Connections, Gears: Industrial and Mining, Springs: All designs, Tools, Dies, Molds

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



Contact Information

Curtiss-Wright Surface Technologies
 103 S. 41st. Avenue
 Phoenix, AZ, 85009
 Telephone: 602-278-2811
 Web: www.cwst.com
 Sales: mic.phoenix@cwst.com