



## Facility Overview

Santa Ana, California

### Facility Scope & Industries Served

Curtiss-Wright's Santa Ana, CA facility supports application requirements such as high-cycle fatigue resistance under bending, torsion, and vibration, stress corrosion cracking mitigation, thermal fatigue control, gear tooth flank fatigue improvement, and contour correction of titanium and aluminum aircraft structures 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
- Precision Texturing to a specified finish
- On-Site Shot Peening
- Dual Shot Peening
- Glass Bead Blasting and Finishing
- Light Rust Removal
- Surface Preparation with Abrasive Blasting

## Customer Approvals & Specifications

|                  |                    |
|------------------|--------------------|
| AS 9100D         | FAA Repair Station |
| ISO 9001:2008    | Nadcap Accredited  |
| Bell Helicopter  | Boeing             |
| General Electric | Lockheed Martin    |
| Northrop Grumman | Bombardier         |
| Airbus           | Safran             |
| Goodrich         | Parker             |

## Shot Peening Applications

### Aircraft and Rotorcraft Components

Engine Main Shaft, Propellers and Rotors, Wings, Fuselage, Landing Gear (All MLG, NLG), 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, Electronic Chassis, Trunk Crankshafts

### Other Components and Applications

Gears: Large Industrial and Mining, Precision Texturing (architectural), Springs: Auto - Door and Seat, Welded Fabrications, Ship - Winch Tension Transducers, Feedscrews, Threaded Connections, Tools, Dies, Moulds, Saw Blade Holder

### 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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