



Company Overview

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

INDUSTRIES SERVED



AIRCRAFT WING FORMING



AEROSPACE



MILITARY



NON-DESTRUCTIVE TESTING

Design Challenges and Problems Solved

High-Cycle Metal Fatigue (bending, torsion, vibration)
Fretting Fatigue
Stress Corrosion Cracking
Gear Tooth Flank Fatigue (micro-pitting, rolling-sliding contact fatigue)
Forming / Contour Correction of titanium and aluminum aircraft structures
Thermal Fatigue

Markets and Industries Served

| | |
|----------------------------|-----------------------|
| Aerospace | Mining |
| Automotive | Power Generation |
| Chemical & Food Processing | Off-Highway Vehicles |
| Construction | Oil & Gas |
| Industrial | Railroad |
| Military | Recreational Vehicles |

Facility Capabilities and Services

| | |
|----------------------|--------------------------------|
| Shot Peening | Shot Peen Forming |
| Glass Bead Peening | Corrective Peening |
| On-Site Shot Peening | Roto-Peening (Flapper Peening) |
| Precision Texturing | Non-Destructive Testing |

Customer Approvals/Specifications (Partial Listing)

The Wellington facility is approved to meet numerous OEM, industrial and military requirements including:

| | |
|-----------------|--|
| Boeing | Bombardier |
| Lockheed-Martin | Goodrich |
| Gulfstream | Textron (Cessna / Beechcraft / Hawker) |
| IAI | Honda |
| Embraer | Safran Landing Systems (Messier-Dowty) |
| L3 | John Deere |
| Nadcap | |

Contact Information

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**CURTISS -
WRIGHT**

Shot Peening Applications



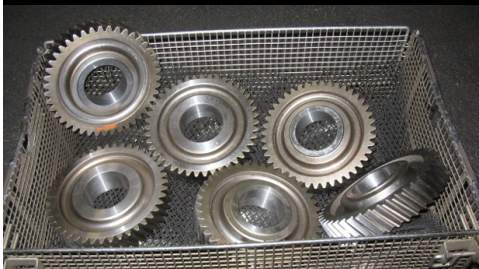
LANDING GEAR



HELICOPTER ROTOR



FIREARMS



GEARS



SPRINGS

Aircraft and Rotorcraft Components

| | |
|--------------|---------------------------------|
| Wing Panels | Spars |
| Wing Ribs | Landing Gear |
| Bulkheads | Slat Tracks |
| Landing Gear | Transmission Gears: All designs |

Automotive Power Train Components

| | |
|---------------|--------------------|
| Flex Plates | Gears: All designs |
| Parking Pawls | Shafts |

Automotive Engine Components

| | |
|-----------------|---------------|
| Connecting Rods | Crankshafts |
| Rocker Arms | Valve Springs |

Military, Off-Highway Vehicle Components

| | |
|-----------------------|------------------|
| Suspension Lugs | Torsion Bars |
| Wheel Bearing Flanges | Steering Flanges |

Oil & Gas

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

Other Components / Applications

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

On-Site Shot Peening

Field crews can shot peen any size part to Mil spec at your facility or site:

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

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

- Controlled Shot Peening
- Peening Forming
- CASE Super Finishing
- Laser Peening
- Application of Coatings for Corrosion Prevention and Solid Film Lubrication
- Material Testing/Analytical Services
- Thermal Spray (Including HVOF)
- 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.