



# Company Overview

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

## INDUSTRIES SERVED



AEROSPACE



AUTOMOTIVE



OFF-HIGHWAY



MILITARY

## 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)
- Thermal Fatigue
- Precision Texturing

## Markets and Industries Served

- Aerospace
- Automotive
- Auto Racing
- Industrial
- Military
- Mining
- Off-Highway Vehicles
- Oil and Gas
- Power Generation
- Railroad
- Recreational Vehicles

## Facility Capabilities and Services

- Shot Peening
- Glass Bead Peening
- On-Site Shot Peening
- Dual Peening
- Controlled Cleaning
- Vibratory Super Finishing
- Parts Washing

## Customer Approvals/Specifications

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

- Allison Transmission
- AS9100D
- Claas of America
- Cummins
- Honda R&D
- ISO 9001:2008
- ISO/TS 16949:2009
- Mears Machine
- Nadcap Approved
- Pratt Whitney
- Rolls Royce America
- Rolls Royce Deutschland
- Rolls Royce United Kingdom
- Standard Aero America
- Standard Aero Canada
- TRW

## Contact Information

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# Shot Peening Applications



BLISK



DRIVE SHAFTS



ENGINE COMPONENTS



GEARS



SPRINGS

## Aircraft and Rotorcraft Components

Blades, Hubs  
Landing Gear  
Propellers and Rotors

Transmission Gears: All designs  
Vane Segments

## Powertrain Components

Flex Plates  
Gears: All designs

Parking Pawls  
Shafts

## Engine Components

Connecting Rods  
Crankshafts

Rocker Arms  
Valve Springs

## Military, Off-Highway Vehicle Components

Steering Flanges  
Suspension Lugs

Torsion Bars  
Wheel Bearing Flanges

## Structural Components

Spars  
Struts  
Welded Fabrications

## Other Components/Applications

Gears: Large Industrial and Mining  
Powdered Metal (Fatigue and Porosity Sealing)  
Springs: All designs

Threaded Connections  
Tools, Dies, Molds  
Welded Fabrications

## On-Site Shot Peening

Field crews can shotpeen any size part at your facility or site to Mil specification standards

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

- Application of Coatings for Corrosion Prevention and Solid Film Lubrication
- Controlled Shot Peening
- Laser Peening
- Materials Testing / Analytical Services
- Sale of Coating Products under the Everlube® brand
- Thermal Spray

Please visit our website at [www.cwst.com](http://www.cwst.com) and select "Find a Location" for the location nearest you.