



# Company Overview

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

## INDUSTRIES SERVED



OFF-HIGHWAY



MILITARY

## TYPICAL APPLICATIONS



GEARS — ALL SIZES



LARGE PART CAPABILITY

## Design Challenges and Problems Solved

- High Cycle Metal Fatigue (bending, torsion, vibration)
- Stress Corrosion Cracking
- Thermal Fatigue
- Gear Tooth Flank Fatigue (micro-pitting, rolling-sliding contact fatigue)
- Precision Texturing

## Markets and Industries Served

- |            |                       |
|------------|-----------------------|
| Mining     | Recreational Vehicles |
| Automotive | Military              |
| Aerospace  | Off-Highway Vehicles  |
| Railroad   | Oil and Gas           |
| Industrial |                       |

## Facility Capabilities and Services

- |   |   |
|---|---|
| Shot Peening                                  | Contour Correction (peen straightening) |
| Glass Bead Peening                            | Dual Peening                            |
| Surface Preparation                           | Abrasive Blasting                       |
| On-Site Shot Peening                          | Magnetic Particle Inspection            |
| Precision Texturing (over 25 medias in stock) |   |

## Customer Approvals/Specifications

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

- |              |                 |
|--------------|-----------------|
| CAT          | John Deere      |
| Mercury      | 3M              |
| Rexnord/Falk | Snap-On         |
| Twin Disc    | CNH             |
| AMS 2430     | Mil/AMS-S-13165 |
| J2441        | ISO 26910-1     |
| ISO 9001     | AS 9100         |

## Contact Information

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# Shot Peening Applications



DRIVE SHAFTS

## Powertrain Components

Gears: All designs  
Shafts

## Engine Components

Connecting Rods  
Crankshafts  
Valve Springs  
Rocker Arms



ENGINE COMPONENTS

## Structural Components

Spars  
Struts  
Welded Fabrications

## Suspension Components

Springs  
Anti-Sway Bars



STRUCTURAL COMPONENTS

## Other Components/Applications

Powered Metal (fatigue and porosity sealing)  
Threaded Connections  
Welds  
Glass Bead Peening  
Precision Texturing



SPRINGS

## On-Site Shot Peening

Field crews are available to come to your location to peen any size part to Mil Spec standards



POWDERED METAL

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

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

Please visit our website at [www.cwst.com](http://www.cwst.com) and select "Find a Location" to see which business units are nearby.