



Company Overview

Curtiss-Wright operates the world's largest network of shot peening facilities to meet today's challenging requirements. Located in Romulus, Michigan (five minutes from the airport) and previously known as Metal Improvement Company, we are a full-service shot peening facility with many OEM and industry approvals.

INDUSTRIES SERVED



AUTOMOTIVE



AEROSPACE



OFF-HIGHWAY

TYPICAL APPLICATIONS



SUPER-FINISHED MILITARY GEAR

Design Challenges and Problems Solved

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

Markets and Industries Served

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

Facility Capabilities and Services

- Shot/Glass Peening
- Dual Peening
- Super Finishing
- Controlled Cleaning
- On-Site Peening

Customer Approvals and Specifications (Partial List)

The Romulus Division is approved to meet numerous OEM, industrial, and military requirements including:

- | | |
|-----------------|---------------------|
| GM | Ford |
| Stellantis | John Deere |
| Bell Helicopter | General Electric |
| Boeing | Hamilton Sundstrand |
| Goodrich | Rolls Royce |
| Honeywell | Nadcap |
| Sikorsky | ISO-14001 |
| IATF 16949:2016 | CAT |
| RR EPS 12053 | Parker |
| Collins | AMS 2430 |
| Eaton | |

Contact Information

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Shot Peening Applications

TYPICAL APPLICATIONS



DRIVE SHAFTS



ENGINE COMPONENTS



GLASS BEAD PEENED AUTOMOTIVE GEARS



HIGH SPEED IMPELLER



HIGH VOLUME TORSION BARS

Powertrain Components

Gears: All Designs
Shafts
Pins
Pulleys

Engine Components

Connecting Rods, Pistons
Rocker Arms
Turbo Charger Rotors
Valve Springs
Bearing Caps

Steering and Suspension Components

Stabilizer Bars
Control Arms
Ball Studs

Controlled Blast Cleaning

Pulleys
Gears

Super Finishing

Gears
Shafts
Axles
Fan Blades
Vane Segments

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 and select "Find a Location" to see which business units are nearby.