



INDUSTRIES SERVED



AEROSPACE



AUTOMOTIVE



OIL & GAS



OFF-HIGHWAY

Company Overview

Curtiss-Wright: Metal Improvement Company (CW-MIC) is a world leader in providing surface engineering for today's challenging requirements. CW-MIC, previously known as MICAN, is located in the GTA. Our 85,000 sq. ft. facility offers full-service shot peening and engineered coatings with many OEM and industry approvals.

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)

Markets and Industries Served

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

Facility Capabilities and Services

Controlled Shot Peening
Dual Shot Peening
Glass Bead Peening / Blasting
Flow Line Treatment
Magnetic Particle Inspection
Fluorescent Penetrant Inspection
Engineered Coatings
Precision Texturing to a Specified Finish

Customer Approvals/Specifications (Partial Listing)

AS 9100 / ISO 9000 registered	NADCAP Accredited
AMS 2430 / AMS 2432	Pratt & Whitney Canada
Boeing	Collins Aerospace
SNC Lavalin	Rolls Royce
Bombardier	Linamar
Safran Landing Gear	Honeywell
Bell Helicopter	Heroux Devtek Landing Gear
Controlled Goods Program (CGP) registered	

Contact Information

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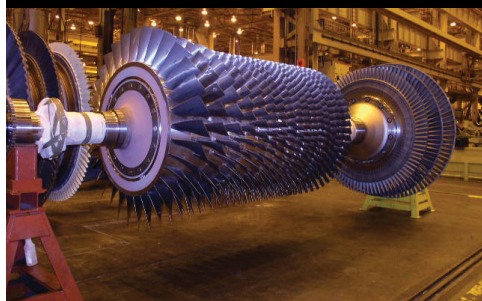
Shot Peening Applications



HELICOPTER MAIN ROTOR



TRANSMISSION SHAFT



TURBINE SHAFT



OIL DRILL TOOL



SPRINGS

Aircraft and Rotorcraft Components

Engine Main Shaft	Blades, Hubs
Propellers and Rotors	Bearing Cages
Wings, Fuselage	Structures (spars and struts)
Landing Gear (all MLG, NLG)	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	Electronic Chassis
Shovel Buckets and Screens	Trunk Crankshafts

Other Components/Applications

Gears: Large Industrial and Mining	Precision Texturing (architectural)
Springs: All Geometries & Sizes	Threaded Connections (male/female)
Welded Fabrications	Tools, Dies, Moulds

On-Site Shot Peening

Field crews can shot peen any size part at your facility or site to Mil Spec standards - Aerospace, Power Plant, Mining, Refinery, Rail Car

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.