



Facility Overview

Tianjin, China

Facility Scope & Industries Served

Curtiss-Wright's Tianjin, China facility supports application requirements such as high-cycle fatigue resistance under bending, torsion, and vibration, stress corrosion cracking mitigation, thermal fatigue control, gear tooth flank fatigue improvement, and contour correction of titanium and aluminum aircraft structures through advanced shot peening and coating solutions across aerospace and industrial applications.

Aerospace

Power Generation

Construction

Railroad

Mining

Chemical & Food Processing

Oil & Gas

Recreational Vehicles

Automotive

Off-Highway Vehicles

Industrial

Facility Capabilities & Services

- Shot & Dual Shot Peening
- Glass Bead Blasting & Finishing
- On-Site Shot Peening
- Light Rust Removal
- Coating
- C.A.S.E
- Glass Bead Peening
- Peenforming
- Contour Correction
- Surface Preparation with Abrasive Blasting
- Precision Texturing to a Specified Finish

Customer Approvals & Specifications

AS 9100D Registered	ISO 9001:2008 Registered
NADCAP accredited	
Airbus	Bombardier
Ameco	Safran
Flender	VW
General Electric	HAECO
AVIC	

Shot Peening Applications

Aircraft and Rotorcraft Components

Engine Main Shaft, Propellers and Rotors, Wings, Fuselage, Landing Gear (all MLG, NGL), Blades, Hubs, Bearing Cages, Structures (spars and struts), Transmission Gears: All designs

Auto Power Train & Auto Engine Components

Auto Power Train: Gears: All designs, Parking Pawls, Shafts

Auto Engine: Connecting Rods, Rocker Arms, Crankshafts, Valve Springs

Off-Highway Vehicle Components

Suspension Lugs, Wheel Bearing Flanges, Torsion Bars, Steering Flanges

Oil & Gas

Drill Collars, Bits and Rods, Shovel Buckets and Screens, Electronic Chassis, Trunk Crankshafts

Other Components/Applications

Gears: Large Industrial and Mining, Precision Texturing (architectural), Springs: All designs, Welded Fabrications, Architectural Texturing, Threaded Connections, Tools, Dies, Moulds, Powdered Metal (Fatigue & Porosity Sealing)

On-Site Shot Peening

Feedscrews, Precision Texturing (architectural), Gears: Large Industrial and Mining, Saw Blade Holder



Contact Information

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