

**CURTISS -
WRIGHT**

On-site Shot & Laser Peening

www.cwst.com | www.cwst.co.uk

COMPANY PROFILE

Curtiss-Wright Surface Technologies (CWST) (formerly known as Metal Improvement Company) offers a single source solution and point of contact for all your surface treatments. We can reduce your turnaround times and costs through our network of over 65 worldwide facilities.

Our proven surface treatments meet industry demands for lighter materials, improved performance and life extension in key markets such as Aerospace, Automotive, Energy and Medical. We can prevent premature failures due to fatigue, corrosion, wear, galling and fretting.



Surface Technologies is a Division of Curtiss-Wright (NYSE:CW) a global innovative company that delivers highly engineered, critical function products and services to the commercial, industrial, defense and energy markets. Building on the heritage of Glenn Curtiss and the Wright brothers, Curtiss-Wright has a long tradition of providing reliable solutions through trusted customer relationships.

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**Are your components too large to ship?
Installed on foundations?
Require minimized downtime?
Must meet critical specifications?**

CWST's field crews perform on-site shot & laser peening to the same exacting standards as our processing center technicians.

- Manual & robotic equipment available
- 24-hour coverage available

CWST's on-site shot peening projects include:

- Welded fabrications for pressure vessels, crusher bodies, ship hulls, chemical storage tanks and bridges
- Aircraft component repairs including wing sections, landing gear and other dynamically loaded components
- Aircraft overhaul repair and corrosion removal
- Power plant components including heat exchanger tubing, turbine casings, rotating components and large fans
- Plastic pellet transfer facilities for directional peening
- Processing plants - steel mills, paper mills and mining facilities



Shot peening technician working on a localized area of concern



Programmable robotic peening



A work area that has been tented to protect facility and staff from flying media

For more information on all our services and full worldwide contact:

US: www.cwst.com +1 201.518.2979 | UK: www.cwst.co.uk +44 (0)1635 279621

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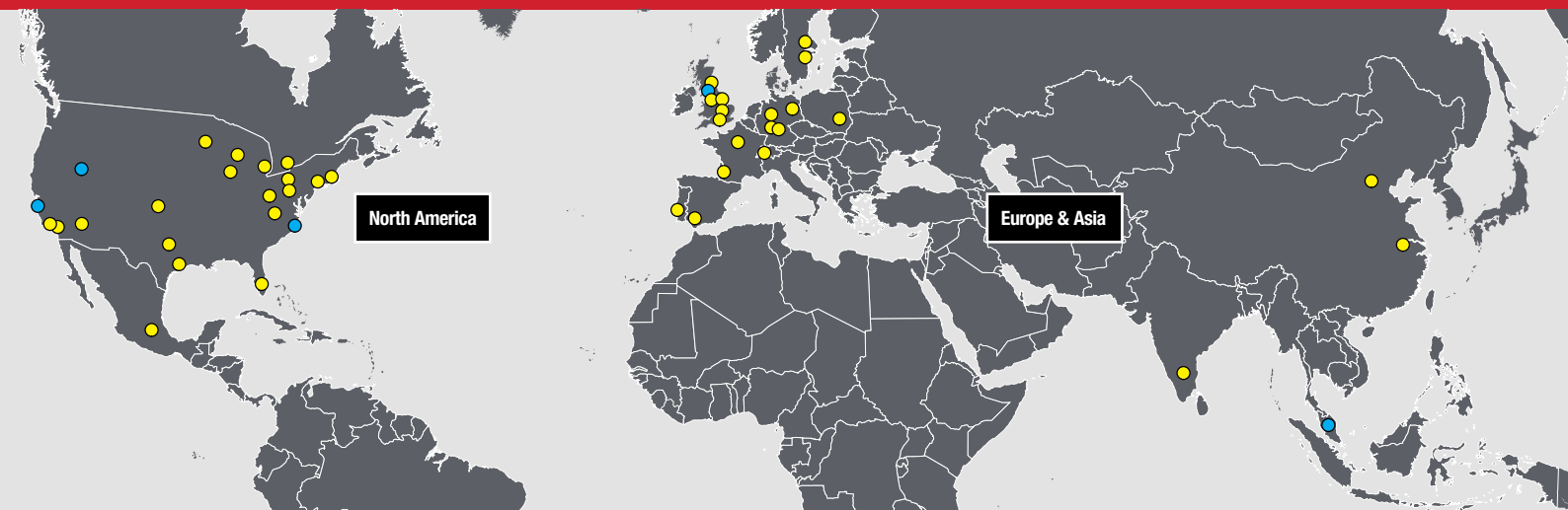
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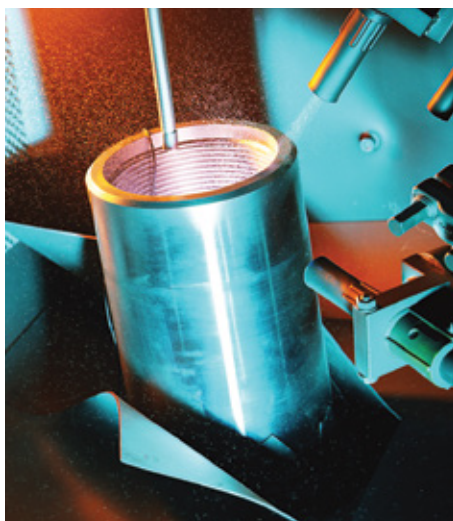
CWST's on-site laser peening projects include:

- Fifth-generation F-35B fighter aircraft frame to help extend the life expectancy without adding any additional material or weight, which would reduce its capability by limiting its fuel or weapons carrying capacity
- F-35C life extension project
- F-22 on site at Lockheed Skunkworks in Palmdale, CA and Hill AFB to help extend life expectancy lower wing on lug attachment
- Nuclear spent canister to prevent against stress corrosion cracking
- Laser peening 110T columns of one of world's largest hydraulic forges to extend lifetime of the threaded portion of the columns
- Shop in shop for peening of aircraft blades

CWST's Shot & Laser Peening Facilities



● Shot Peening ● Laser Peening



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