



Global Finishing Solutions

Project Profile: Lockheed-Martin



Lockheed-Martin Aerospace
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Lockheed-Martin is a manufacturer of aircraft used by the military of the US. They make the F-16, F-22, and now the new F-35. The F-22 is manufactured at this site in Georgia. The F-22 is a aircraft that is stealthy and flies at a super-cruise speed of 1.5 mach. The armament is housed inside the belly of the plane and the exterior is coated with a radar absorbing material.

The masked FA-22A in the foreground sets directly before a "Triple Tier" Water Wall. This water wash paint hangar, Bldg.L-64 at Lockheed Martin Aeronautics, Dobbins AFB, in Marietta, Ga., was installed by Global Finishing Solutions, as part of Phase II of the F-22 Program.

The system measures 87'-4" wide x 28'-10" high, and consists of (12) Style "E" Dynaprecipitator Unit Sections enclosed in a structural steel framework. The hangar exhaust system moves 240,000 cfm of air @ 8.0" sp., providing 100 fpm of air velocity over the aircraft. The waterfall is provided by (3) submersible pumps, having a capacity each of 2350 gpm @ 70' head. Included in the process water circulation system is a remote sludge collecting pit arrangement.

The booth was designed to operate in production mode using a robot to paint the aircraft.

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