

Industry News New

Surface Dynamics Ltd.

New Metal Treatments Capability for Aerospace Manufacturer

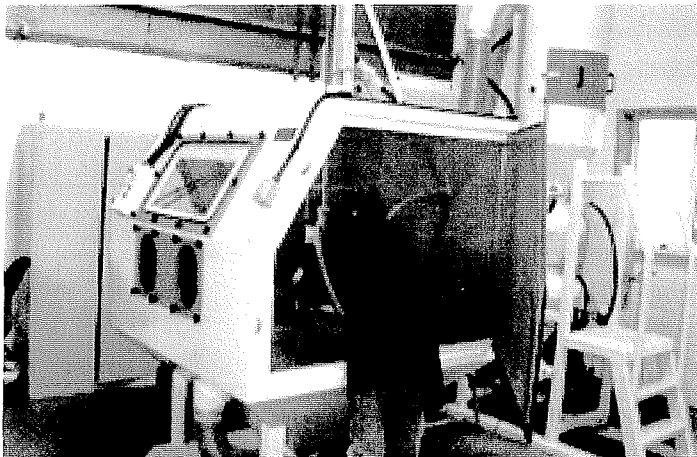
United Kingdom. When aerospace component supplier Harmon Manufacturing decided to expand their capabilities into surface treatments, they selected Surface Dynamics Ltd. of Cheltenham to supply automated shot peening equipment. The equipment compliments Harmon's first class production, NDT and plating facilities.

"The Surface Dynamics equipment is giving us excellent results", says Dave Nichols, manager of Harmon Metal Treatments Ltd., "and the quality of the machine represents very good value for money."

The automated Nimbus blast cabinet provides controlled surface coverage with variable speed linear and rotational movements. There are two adjustable nozzles for peening external surfaces and a motorized lance with deflector nozzle for internal bores. Manual processing can be undertaken with a hand-held nozzle. All the nozzles have independent shot flow control and continuous pressure fed capability from a dual pressure vessel blast system. Shot is automatically cleaned and recycled back into the blast system.

"Surface Dynamics have given us excellent support and advice with our blast treatment requirements", says Dave Nichols. "We have quality approvals from aerospace manufacturers and ISO 9002 accreditation with TS157 endorsement." Harmon Metal Treatments have capability for a range of treatments including Chromate conversion, anodising, paint spraying, alumina blasting, shot peening, magnetic and dye penetrant flaw detection, and hardness testing.

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Loading the rotary turntable in the cabinet. Behind are the air-wash cyclone and double vessel blast system.