AUTOMATED SHOT-PEENING MACHINES

Empire continues to develop air-blast peening systems with advanced computer-control, blast-coverage and material-handling features that not only increase productivity, but also assure repeatability—a major concern in these quality-intensive applications affecting the structural integrity of critical components.

Interface terminal enables operator to designate blasting parameters such as nozzle stroke length and oscillation speeds, ON/OFF status of selected nozzles, part rotation speeds, and blast duration by simply inputting the appropriate part identification number.

Versatile peening machine enabled a repair center for jet-engine parts to expand its business into the areas of disc and hub rebuilds. In addition to peening recessed surfaces, the unit processes many different size parts ranging up to thirty inches in diameter.

Glass-bead system for peening jet-engine turbine blades incorporates vertically oscillating nozzles, a vibratory bead classifier, and one rotating work station.

This multi-purpose shot-peening system includes an ID blast lance to peen recessed surfaces on parts, a powered loading cart, independently adjustable pressure nozzles, a shot classifier, and a combination of vertical/horizontal oscillating blast nozzles. Operating parameters are adjustable, making this machine ideal for job-shop work.