



Blade Peening Airfoil Section

Wheelabrator® Automated Blade Peening Systems combine process efficacy and machine productivity while processing airfoil sections. Precision, multiple-axis nozzle manipulation and part rotation ensure complete coverage to the contoured airfoil requiring peening. Whether it is a batch style system or an indexing multi-table for larger production volumes, Wheelabrator peening systems provide repeatable and consistent peening results.

The Wheelabrator Automated Airblast Blade Peening System - a simple and effective means to effective peening results.

The Wheelabrator Automated Blade Peening System - a simple approach to air blasting.

Specifications

- NADCAP
- AMS
- MIL
- OEM

**AUTOMATED BLADE PEENING SYSTEM
(AIRFOIL SECTION)**

Features

- Sturdy, thick mild steel blast cabinet for reduced maintenance and long life
- Sound insulation and rubber lining in the cabinet interior for reduced operational noise levels
- Indexing style rotary table with spinning satellite stations (optional fixed satellites)
- Ergonomic operator controls to initiate indexing
- Load/unload under the cover of blasting - increased productivity
- Process Control - media size classification, flow rate, peening pressure for consistent peening results
- Single and multiple axis nozzle manipulation to direct media stream at specific part locations
- Integral ventilation and dust collection
- Test fixtures and factory process prove-out prior to shipment

Controls

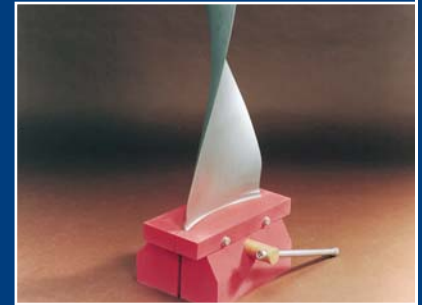
- User-friendly Touchscreen interface to access and alter all system parameters
- Operator capability to teach and store techniques by manipulating nozzles
- Integral process control system for repeatable and peening consistent results
- Detailed diagnostics to assist in troubleshooting

Options

- Nozzle manipulation to access selected part areas - Axes interpolation
- Single rotary table for larger blades
- Dual (ferrous and non-ferrous) media capability
- PC Controls for enhanced technique storage areas Axes interpolation
- Work fixtures, including custom work handling
- Enhanced Graphic User Interface
- Single rotary table suitable for large blades

Utility Requirements

- One 3/8" pressure blast nozzle: 163 CFM
- One 3/16" nozzle orifice (suction blast): 40 CFM (Requirement may vary depending on peening pressure and nozzle size)
- Total connected load: 12-15 HP
- Overall space requirement: 10' x 15' x 18' high



Airfoil section with fixturing

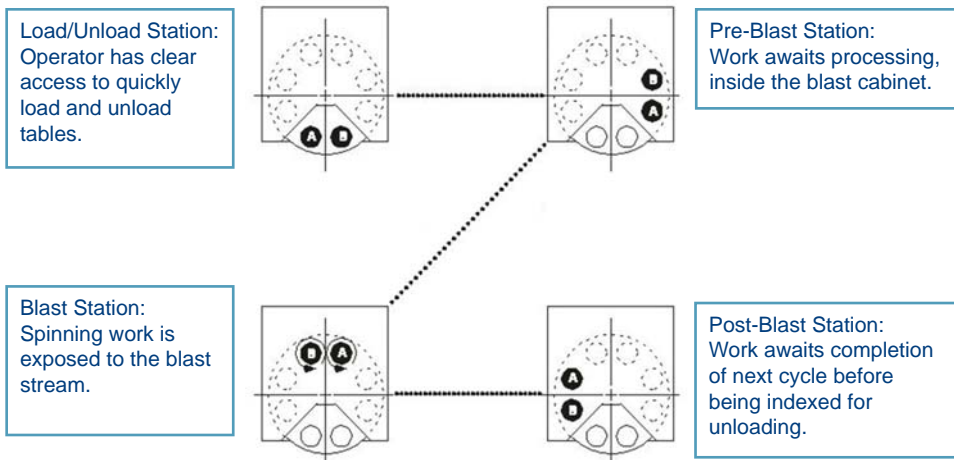


User-friendly operator interface



Multi-axis nozzle manipulator

technical specifications



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