wheelabrator
shaping industry

MP 1500 – Peening system
Technical specifications

Peening system for jet engine components

The **MP 1500** machine is the ultimate solution for aeroengine peening and blasting processes.

Developed in co-operation with aeronautic OEMs, it fulfils the most demanding specifications in terms of precision and process control.

Representing the state-of-the-art in aerospace shot peening, the MP 1500 range can process the widest variety of aeroengine components to improve or restore their resistance to fatigue.

These include turbine discs, fan discs, compressor rotor discs, spools and blades as well as structural components made from steel, Inconel, aluminium or titanium alloys.

Features

- Shot peening or surface preparation for landing gear, aircraft wheels, jet engine discs and blades
- Maximum component size: 1500 mm diameter x 1000 mm height, weight: 500kg maximum diameter of 2000 mm with the MP 1500 TI XL version
- Precision pressure pots with closed loop regulation for pressure and media flow
- Pitless pneumatic recovery
- Dedicated classification device depending on chosen media
- Numerical table mounted on a revolving arm for easy loading and unloading
- 4-axis robot: horizontal and vertical strokes up to 1500 mm, palm and wrist movements +/- 135°
- CNC control system: Fanuc 16i or Siemens 840 D
- Supervision software package, including peening process control and maintenance tools
- System and process control compliant with DMP28, MIL S 1365 and AMS 2432

Optional features

- Vertical hydraulic sliding door
- Second nozzle manipulator (3/4 axes)
- Numerical table equipped with 12 or 20 numerical satellites
- Horizontal spindle with adjustable counter head
- Sound insulation / 75 dBA
- Rotary lance unit for bore and slot peening
- Lateral rotary lance for long bores (stroke up to 2 m)
- Abrasive flow calibration unit CF 36 type
- Integrated 500 kg electrical hoist for component loading

Model with lining for light media

Integrated loading hoist

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