wheelabrator
shaping industry

MPR 2200 – Robotic peening system
Technical specifications

A versatile robotic peening system, the Wheelabrator **MPR 2200** machine is specifically designed for the aeronautic and gas turbine industries.

Meeting the highest industry specifications, the MPR 2200 is suitable for a wide range of complex applications such as turbine disks, compressors shafts, and landing gear.

The standard version includes the most efficient process control and supervision software, providing quality reports and process performance data.

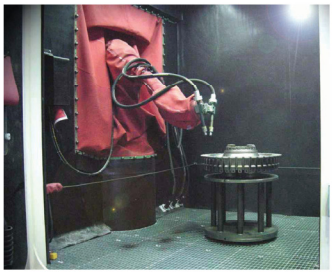
Features

- Capable of shot-peening a wide range of complex aeronautic and gas turbine components
- Maximum component size 2200 mm ø x 2500mm high weight: 500 kg to 10000 kg
- ABB robot controller linked with Siemens PLC for full process control
- Stabilised base frame supporting an accurate precision turntable and ABB robot to guarantee constant precision
- Large double wall cabinet with pitless pneumatic recovery system
- Large access door and motorised roof flap allowing easy loading
- Operator door on cabinet side
- Dedicated classification system depending on chosen media
- Precision peening generators with air pressure, shot flow regulation and air flow control
- Supervision software including quality reports, maintenance assistant and process stability statistics

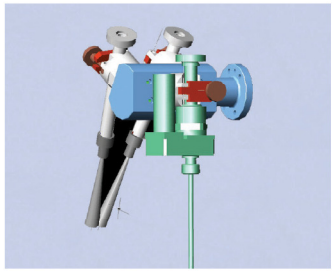
Optional features

- Optional wall side NC driven lance for bore peening landing gears
- Precision NC tilting table enabling to reach difficult areas such as engine drums
- Horizontal spindle with adjustable counter head for long components
- Sound insulation to 75 dBA
- Rotary lance unit for bore and slot peening
- Quick media change system to handle different shot sizes and hardness in the same system

Accurate G7 generators



Internal view: jet engine disk in process



Rotary lance & nozzles

Low height recovery system

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