

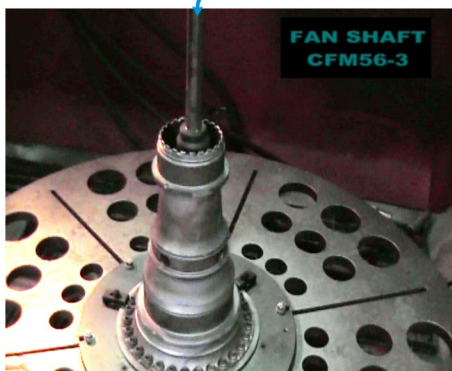
A Multi-Purpose Shot Peening System will satisfy most of your technical requirements for an aero engine maintenance company

CNC Multi-Purpose Shot Peening System

Customized Solutions

This System is applicable for peening aero-engine components of varied sizes and complex geometries. Most MRO setups or engine part makers will find this system particularly useful. Last Oct, we had the privilege to install this system for a French based joint venture aerospace company in mainland China. To date we have successfully built more than 10 such systems in the last 3 years and we continue to win favorable user reviews.

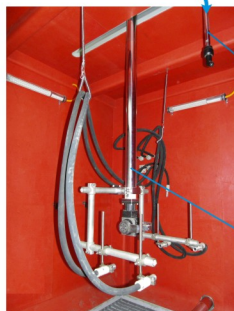
This system is engineered with a high degree of repeatability and accuracy which is so critical in the peening process. This CNC orchestrates all gun motion sequences, part motion and flow rates to ensure the peening process is properly monitored and controlled. Computer generated reports allow the operator keep timely and proper records for audit purposes.



FAN SHAFT
CFM56-3

FAN SHAFT CFM 56-3

Vertical motion device with special lance nozzle for peening ID of deep holes (Max Depth 1600mm - Fan shaft above)



Vertical movement device

Gun Manipulator with five guns attached

Five peening guns attached to the gun manipulator can perform vertical, horizontal, pitch and yaw motions. Used for peening external surface of complex components such as Fan Shaft shown in left picture.



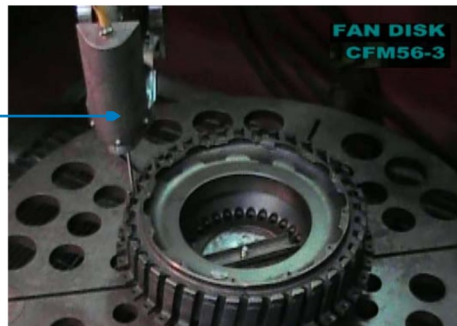
SYSTEM FEATURES

- FANUC Oi-MC 5-axis system
- High degree of repeatability and accuracy
- Large cabinet 2500 x 2500 x 2000mm to accommodate large parts
- Multi-function and multi purpose. It can effectively peen IDs of deep holes, small bores and grooves and external surface of complex and large components, also improve production efficiency by ensuring peening processes properly documented
- Double-vessel Pressure System ensure continuous and stable shot flow and working pressure
- MagnaValve and FC Controller for precise and accurate control of shot flow
- Vibrating Screen Separator for On-Machine Media Size Control
- Spiral Separator for On-Machine Media Shape Control
- Electric chain hoist device for easy loading and unloading of work piece
- A 4-section steel shot tank can store 4 different sizes of steel shot and refill the system when shots run low

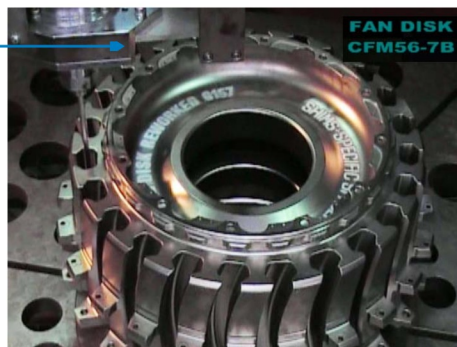


Rotary Internal Peening lance for small bores

This rotary peening lance device can be mounted at the bottom of the gun manipulator and is used for peening small bores or grooves (Fan Disk Shown at right side). It is integrated into CNC control system for easy operation and control.



FAN DISK
CFM56-3



FAN DISK
CFM56-7B

FAN DISK CFM56-3 & CFM56-7B

For any enquiries and more details, please contact us as below info.



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