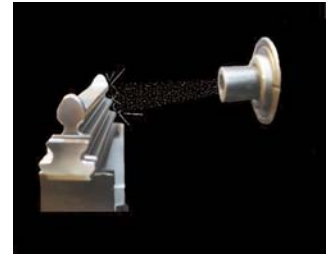


Innovative Peening Systems

Robotic CNC Shot Peening/Abrasive Blasting Machine



This robotic computer controlled CNC multiple axis shot peen machine can peen or abrasive clean a wide variety of parts using a pneumatic direct pressure media delivery system. The machine is compliant with peening specifications AMS-13165, AMS-2432 and other OEM specifications. The machine has a 48" diameter and 48" tall peening/blasting zone. The gantry nozzle manipulator is programmed to interact with a direct drive part revolution system for exact nozzle standoff distance and angle on each part. A teach pendant is used to teach the robotic nozzle manipulator the motion used during the process. The robotic controller has enough memory to store hundreds of individual part recipes. Available is an optional computerized operator interface called CIMCAP. CIMCAP an acronym for Controlled Intelligent Motion Computer Alarmed Parameters. The software monitors key shot peening parameters such as motion of nozzle, improper air pressure, low shot levels, shot flow and media delivery valve failure. The software also provides an onsite machine manual, saturation curve software and a photo verification of part recipe.

System Features

Standard

- Four axis gantry nozzle manipulator with coordinated indexing and extending table.
- Continuous direct pressure shot delivery system.
- Auto pulse cartridge dust collector.
- Mechanical screen classifier.
- Rigid urethane shot recovery duct.
- Siemens 840 D CNC Motion Controller
- Heavy duty cabinet construction

Optional

- Digital shot flow controls
- Choice of floor layout and operator platform
- Fanuc 16i Motion Controller
- CIMCAP computerized operator interface
- Valve failure alarm
- Portable programming touch screen.
- Additional axis



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