ROBOTIC SHOT PEENING EQUIPMENT

PEENING TECHNOLOGIES®

WWW.PEENTECH.COM

peentech.com
261 Burnham Street, East Hartford, CT 06108
860-289-4328

Model PT-170

This machine includes cabinet, single media system, dust collector, reclaim, four-axis nozzle manipulator and one axis turntable.

- **5' 6" H x 4' D x 6' W Blast Cabinet Enclosure** - Other sizes are available.
- **Robotic Nozzle Manipulator** - The closed loop controlled nozzle manipulator assembly is designed to provide programmable coordinated motion in the horizontal (X-Axis), vertical (Z-Axis), rotary wrist (B-Axis), and miter (A-Axis) directions.
- **Rotary Turntable** - C-Axis is a horizontally mounted table with a 32-inch outside diameter and 250 lb. on center capacity. Programmable C-Axis operated in both indexing mode and spindle rotary mode.
- **Pressure Blast Equipment** - The shot peen media is fed into the compressed air stream via pressure vessel. An Electronics, Inc., MAGNA valve controls the rate of shot flow. A servo valve controls the air pressure.
- **Media Cleaning and Classification System** - A bucket elevator and auger conveys the shot peen media to a classifier that screens the peening media before reuse.
- **Dust Collector System** - Cartridge style dust collector system designed to meet customer needs. Can be located outdoors.
- **Programmable Control** - Part specific program files are stored at the CNC controller using our Visual Shot Peening™ software.
- **Machine Shutdown Alarms** - Alarms include machine status such as 'door open' or 'reclaim not on', HI/LOW shot flow, HI/LOW air pressure, and X, Y, A, B and C axis drive faults including speed, following error and over-travel.
- **Visual Shot Peening™ Graphical Interface** - The operator is presented with a MS Windows graphical PC-based/CNC interface that shows key process variables including motion, air pressure, shot flow, program status, media sample timer, and alarm status.
- **Teach Pendant** - A teach function with joystick control of the X, Y, B, A, and C axes is included to facilitate programming.
- **Process Monitoring** - Alarms include machine status such as 'door open' or 'reclaim not on', HI/LOW shot flow, HI/LOW air pressure, X, Y, A, B, and C axis drive faults including speed, following error and over-travel.
- **Historical Data Logging** - Machine events are logged to a database for supervisor review. Events include cycle start and finish and machine shutdown alarms.