ROBOTIC SHOT PEENING EQUIPMENT

PEENING TECHNOLOGIES®

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Model PT-320

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

- **6' 6" H x 6' 10" D x 8' 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 500 lb. on center capacity. Programmable C-Axis operated in both indexing mode and spindle rotary mode.

- **Shuttle Auto Loader** - Allows center of table to pass out of machine.

- **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.

Shot Peening Equipment