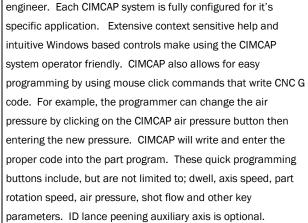
L Series Rotary Table CNC Robotic Computer Controlled Shot Peening System

his CNC motion shot peen machine offers consistent accuracy and part recipe programming. Available nozzle axis include; X (horizontal), Z (vertical), W (Yaw) and A (nozzle Tilt). Part movement include a C axis (rotary spindle) with indexing or revolving capabilities and a rotary table slide axis (Y). Any axis combination and controller types are customer choices. All linear axes utilize stiff, cam follower type slides for high

speed and exceptional accuracy and repeatability. Rotary axes use low backlash gearboxes, and precision gearing. Over travel and home sensing are provided with rotary and conventional limit switches. All axes use high torque, brushless servo motors for high performance and low maintenance. The Motion control system of the machine will consist of a Fanuc CNC controller. All machine level controls are handled through the PLC side of the control with simple to understand ladder diagram programming. High level programming on the drive side of the controller allows the system to create complex and smooth motion paths that are monitored by means of the CNC controller that continually monitors the current position of each axis and compare it to the expected position of each axis. This constant monitoring allows the machine to shut down immediately if the motion path is not being maintained. During the process, other process parameters such as airflow, air pressure, recovery system and machine interlocks are constantly being monitored. If any of the process parameters fall outside of the acceptable limits the machine will automatically interrupt the peening process and alert the machine operator that a fault condition has occurred with all error information displayed. Motion programs are created by jogging the axes with the pendant and pressing the insert button on the CNC keyboard. Arcs are programmed by teaching three points on the arc. Optional CIMCAP monitoring system is designed for both the operator and the process



Standard Features:

- CNC Nozzle Manipulator
- ♦ Shot Recovery System
- Screen Classifier
- ◆ Rigid Urethane Duct
- ◆ 1/2" steel plate enclosure
- ◆ 48" Dia x 48" tall Peening
- ♦ 1/4" steel reclaim
- Rubber lined Enclosure
- ◆ Fanuc CNC controller
- Easy Point and Teach Programming

Options:

- ♦ Continuous Pressure Vessel
- Multiple axis choices
- Slide table for easy loading
 Digital shot flow controls
- CIMCAP Process Monitoring Software
- Multiple Nozzle
- Auto Media Add
- Dual Media
- Rotary Lance
- Crane and Hoist
- Horizontal shaft attachment





