Machine Components

Media Delivery Systems

- Continuous Direct Pressure: Allows for direct pressure blasting without depressurizing the vessels. This is accomplished by stacking two vessels and controlling the pressurization so the media can be reclaim and reused without depressurizing the vessel.
- Alternating Direct Pressure: Direct pressure blasting with one vessel is the most popular choice. This simple approach is limited to shorter cycle times
- Suction: Continuous blasting with smaller patterns of coverage.

Media Recovery System

- Pneumatic Recovery: The most popular choice. This system relies on the dust collector fan to pull the media up to a cyclone recovery reclaim that supplies an air wash.
- Bucket Elevator: Bucket elevators are used when media is too large or too heavy to be recovered in an air duct usually larger than S-280 steel shot.
- Mechanical Screen Classifier: This unit creates a secondary media classification by accepting the shot into the top center from the reclaim and allowing the shot to pass thru a specific screen size. The classifier has an internal motor that spin an eccentric weight system that creates amplitude (shake). The shot is then classified using the same screen as the shot manufacture did when the shot was made.

Dust Collection System

- Dust Collector: Dust collectors come in several sizes depending on the size of the enclosure. The larger the enclosure the more air it takes to keep the enclosure clean.
- Fan: The fan is also sized for both cubic feet of air per minute and for static pressure needed to transport good shot to the reclaim. Fan enclosures are provided to allow for a normally low 80 dba

Shot Flow Controls

- Shot flow orifices are used to restrict a certain media flow to the nozzle using a simple drilled hole in a disk. This is orifice is permanent and does not allow for monitoring.
- Digital Shot Flow Controls: Magnavalve (by EI) and a magnavalve controller allow for digital shot flow control and monitoring. This devise uses a magnet to restrict the shot flow thus allowing restriction with no wear. The controller monitors the flow and displays the actual flow on the control panel. Flow are easily adjustable to provide the proper flow to the specific application.

Auxiliary Attachments

- Rotary Lance: A rotary lance can be attached to any oscillation devise to peen/blast internal holes. A servo motor is used to spin a nozzle that has a side mounted orifice. Special devises are used to restrict the shot flow to a low flow.
- Sieve Analysis: Rotap sieve analysis machines are used to check the size of the shot to make sure it still meets the specifications
- Almen Gauges: Both digital and analog are available
- Almen Strips: Grade I, C, A and N are available

Innovative Peening Systems
2825 Simpson Circle Norcross, GA 30071 Phone 770-246-9883 Fax 770-246-9860 ipeenglobal.com