

BLANKWASHERS

- Mark One is the world leader in Blankwasher Technology and has the largest worldwide installation base in the industry
- Designed and Manufactured to meet the increasing demand for scientific quality measurements
- Class A Outer Metal Rated
 - Ø Material is Washed and lubricated prior to the stamping process
 - Ø Remove dirt which could effect the stamping process surface quality
- Cleaning Capabilities
 - Ø Capable of removing contaminants to an average level of .0500 mg/ft² (.015mg/meter squared) (99%+ >40 Microns nominal)
- Programmable Coating Capabilities
 - Ø Average of 50 to 200 mg/ft² (15mg to 60mg/meter squared) to both sides of the blank



- Quality Issues Are Resolved Immediately
- Performance Parameters Are Understood and Measured
- Scientific Measurement Resolve “Dirt” Issues
- Rolls, Brushes, Filters, etc Are Easily Maintained

Two Basic Types of Blankwashers

- Nonwoven Roll Based Machines
 - Ø Entry, brush and exit rolls use nonwoven rolls
 - Ø Variable operating speeds
 - Speeds Up to 500 Feet Per Minute (150 meters per minute) are Obtainable
 - Ø Water or oil based fluids



- Brush Based Machines
 - Ø Entry Rolls - nonwoven or urethane rolls
 - Ø Brush Rolls - Poly-Pro brushes
 - Ø Exit Rolls - Nonwoven Rolls
 - Ø Variable Operating Speeds
 - Speeds Up to 500 Feet Per Minute (150 meters per minute) are Obtainable

Fluids & Filtration

Blankwasher Fluids

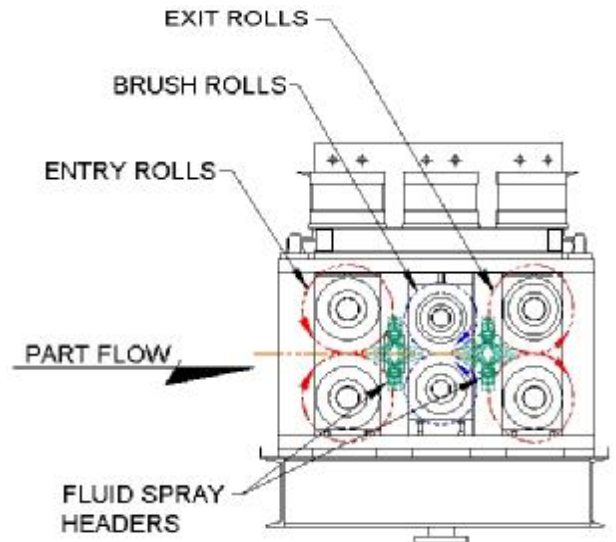
Blankwashers Utilizes 125 GPM (473 Liters per minute)

Fluid Flow

- Ø Keeps the rolls and brushes properly saturated with fluid for cleaning and performing at their optimum level
- Ø Cascades the suspended contaminants away from the blanks and interior of the headsection
- Ø Carries the contaminants back into the filtration system for recycling
- Water Based or Oil Based

Blankwasher Filtration

- Water or Oil Based Fluid Filtration
- Filters are Configured for Maximum Cleaning Performance
 - Ø Centrifuge Filtration
 - Ø Two-Stage or Self Contained Filtration
 - Ø Dual Mesh Screen Strainers (first stage)
 - Ø Bag or Cartridge Filters (second stage)
- Automatic or Manual Filter Changeover



Options Tailored to Your Specific Needs

- Automatic Solution Fill
- Remote I/O and PLC Control
- Electric Immersion Heater
- Mist Collection Units
- Blow-Off Dryer
- Blankwasher Rollout
- By-Pass Conveyor
- Programmable Spray Unit
- Pop-Top Headsection
- Split-Top Headsection
- Variable Speed Roll Drive
- Automatic Bearing Lubrication
- Automatic Filter Changeover
- Remote Filtration
- Cartridge Based Filtration
- Centrifuge Filtration System