

Standard Features & Benefits

- Completely manufactured in the United States
- 170 spindles on 6 in. centers
- Four HVLP Spray Guns mounted on an Adjustable Fixed Position mount
- Fluid control system includes:
 - Two 15-gal, stainless steel pressure pots with pneumatically controlled lid lifts
 - Integrated fluid recirculation system
 - Integrated fluid agitation
 - Manual regulators for fan, atomize, & fluid pressures
- Arnold Machine 100% air capture spray booth design to prevent solvent laden air from escaping the machine. NFPA Class 1, Division 1 explosion-proof
- Safety interlocked booth door with viewing window on each side

Optional Items

- Recipe driven, programmable vertical gun position
- Recipe driven robotic gun position or spray pattern
 - This option includes an automatic gun cleaning feature
- Recipe driven controls for fan, atomize, and fluid pressure
- Material flow rate sensor
- Recipe greasing of spindle rotators and blower bearings
- Recipe lubrication of chain
- Custom fixturing and masking
- Stationary spindle operation
- Canadian CSA certification
- Service plans available



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information and
financing options

Two Coat Chain-On-Edge Coating System



General Information



The Arnold Machine Two Coat Chain-On-Edge Coating System is commonly used for two coat applications of paint, adhesive, rust preventative, lubricant, or virtually any other solvent or water-based material needing to be spray applied. The system is designed to be a rotate-and-spray application; however, it can be converted to a stationary part fixture and moving spray guns.

The spray coating application is in a Class 1, Division 1 explosion proof, fully enclosed spray booth. The servo motor-controlled chain drive design allows for variable speed continuous motion or indexing operation. The system is designed for maximum transfer efficiency of coating materials through its air control design and fluid process control. The system utilizes vertical rotating spindles on 6 in. spacing with parts to be coated located on the spindles via custom part fixtures.



Tyson Woessner
Director of Business Development

Specifications

- **Part Size Capacities**
 - 5 1/2 in. diameter x 8 in. tall in the full 6 in. center distance configuration
- **Machine Dimensions**
 - 12 ft. tall x 17 ft. wide x 24 ft. long
- **Utility Requirements**
 - 480 VAC - 3 phase - 60 Hz - 150 AMP power
 - 1 in., 75 SCFM, 60 PSI compressed air
 - 1 in., 35 PSI fresh water supply
 - 14 in. Exhaust Duct outside of the building
- **Control System**
 - NEMA 12 main control panel with sequester 480v main disconnect
 - UL approved 24 VDC controls package with Allen-Bradley CompacLogix PLC and ProFace 10 in. touch screen control panel
 - Red, yellow, green stack light
 - Servo conveyor drive with options for constant motion or index and dwell
 - Adjustable rotation speed



“Arnold Machine has not only been a turnkey solution provider for robust coating & material handling equipment, but a great partner with support & service.”

- Oil & Gas Manufacturer

Here at Arnold Machine, we have a whole team of experts ready to help with your Coating System needs. Give us a call at 419-443-1818

