



Standard Features & Benefits

- Completely manufactured in the United States
- 24 spindles on 6 in. centers without the optional heating module
- 48 spindles on 6 in. centers with the optional heating module
- Single HVLP Spray Gun mounted on an Adjustable Fixed Position mount
- Fluid control system includes:
 - 5 ga, stainless steel pressure pot with cart and lid stand
 - 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 and timed open
- Water based fire suppression system

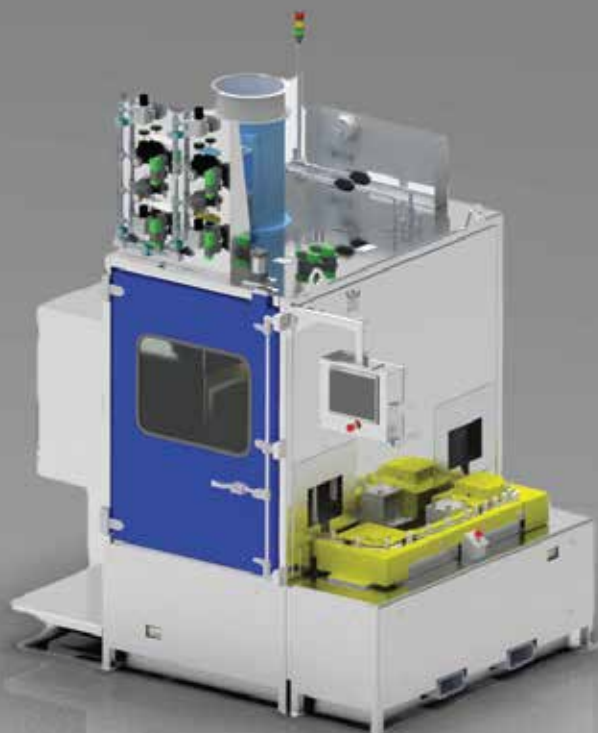
Optional Items

- Dual tunnel heating module for pre-heat and post-heat
 - 150° F max temperature
 - 45kW electric heating element
 - Non-sparking blower with variable speed drive
 - 2 in. insulated construction
- Recipe driven, programmable vertical gun position
- Recipe drive 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
- Custom fixturing and masking
- Canadian CSA certification
- Service plans available



Scan for more information and financing options

Single Coat Chain-On-Edge Coating System



General Information



The Arnold Machine Single Coat Chain-On-Edge Coating System is commonly used for single coat applications of paint, adhesive, rust preventative, lubricant, or virtually any other solvent or water-based material needing to be spray applied.

The system utilizes a rotate & spray coating application in a Class 1, Division 1 explosion-proof, fully enclosed spray booth. The servo motor-controlled chain drive design allows for 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 6 in. center distance configuration
 - Parts up to 10 in. in diameter and 8 in. tall can be accommodated by using every other spindle on a 12 in. center distance
- **Machine Dimensions**
 - 10 ft. tall x 6 ft. wide x 8 ft. long (without the heating module)
 - 14 ft. long with the optional heating module
- **Utility Requirements**
 - 480 VAC - 3 phase - 60 Hz - 40 AMP power (100 AMP with heating module)
 - 3/4 in., 60 PSI compressed air
 - 1 in., 35 PSI fresh water supply
 - 12 in. Exhaust Duct outside of the building
 - Additional 14 in. exhaust duct required with optional heating module
- **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

