



# Tumble Spray Coating System

## Standard Features & Benefits

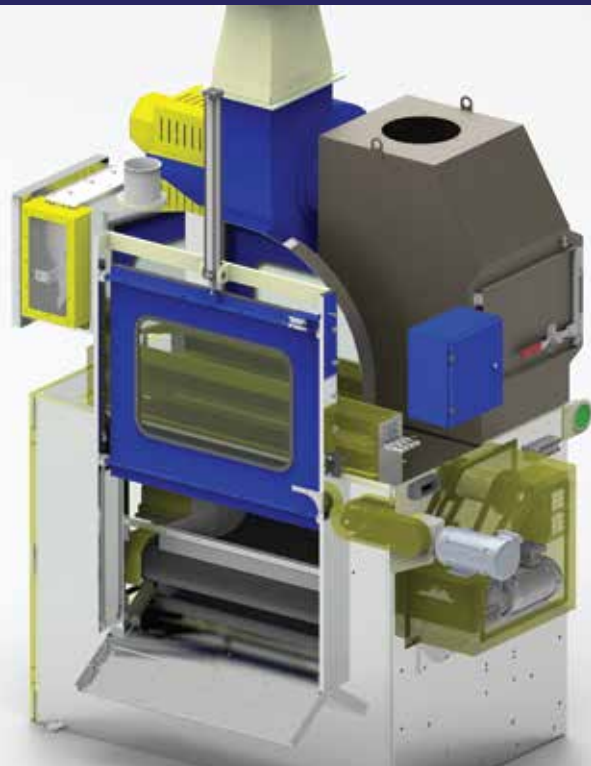
- Completely manufactured in the United States
- Removable tumble belt mounted on a cart
- Single HVLP Spray Gun mounted on a reciprocating shuttle
  - A second gun is optional for a two coat system
- Fluid Control System includes:
  - 5 gallon, stainless steel pressure pot with cart and lid stand
  - Integrated fluid recirculation system
  - Integrated fluid agitation
  - Manual regulators for Fan, Atomize & Pot Pressures
- Heating Module
  - Programmable forced heating air coating dryer (150F max air temperature)
- 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
- Water based fire suppression system



**Tyson Woessner**  
Director of  
Business Development



Scan for more  
information and  
financing options



## General Information



The Arnold Machine Tumble Spray Coating System is commonly used for parts that require 100% coverage. The machine can apply paint, adhesive, rust preventive, lubricant, or virtually any other solvent or water-based material needing to be sprayed. The system utilizes a tumble and spray coating application in a Class 1, Division 1 explosion proof, fully enclosed spray booth and is designed for maximum transfer efficiency of coating materials through its air control design and fluid process control. The system can apply two different materials utilizing a reciprocating spray gun shuttle. The parts are tumbled on a mesh belt while being sprayed. The belt is easily removable from the system for cleaning.

The spray chamber is 16" deep by 40" wide. Part size and batch capacities will vary based on geometry and tumble performance. Each different part configuration will require a recipe to be developed in the machine's touchscreen.

## Specifications

### Machine Dimensions

- 11 ft. tall x 8.5 ft. wide x 5.5 ft. deep

### Utility Requirements

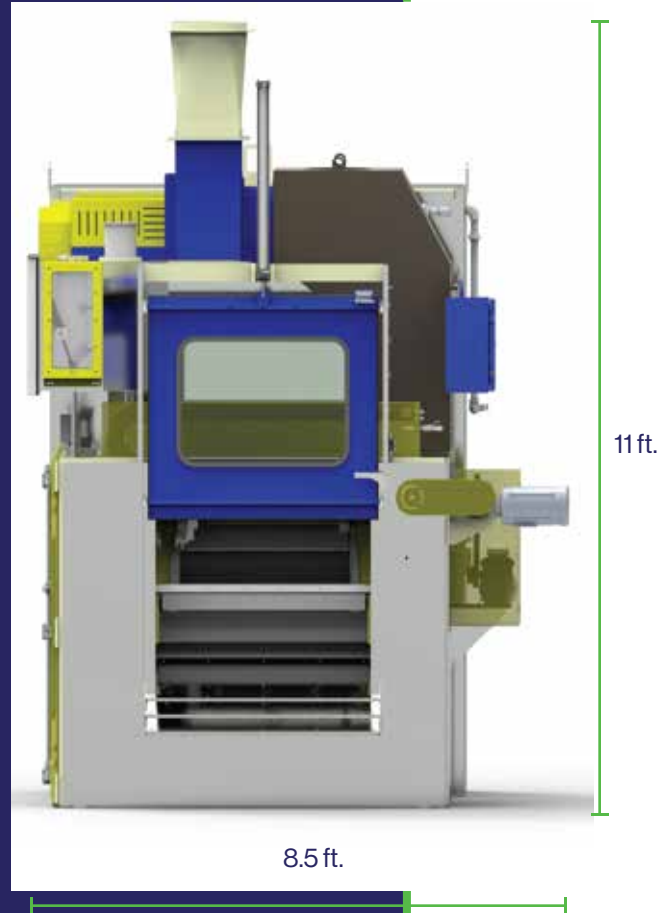
- 480 VAC - 3 phase - 60 Hz - 100 AMP power
- 3/4in., 60 PSI compressed air
- 1 in., 35 PSI fresh water supply
- 14 in. Exhaust Duct outside of the building

### 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
- Adjustable tumble and spray gun reciprocate speed

## Optional Items

- Dual spray gun setup for two coat applications
- Recipe driven pressure controls for fan, atomize, and pot pressure controls
- Material flow rate sensor
- Canadian CSA certification
- Service plans and options



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**

**“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**

