

*Productivity. Versatility. Profitability.*



**MV**<sup>TM</sup>  
**MUSTANG**  
**VACUUM SYSTEMS**

**COLT<sup>®</sup> Series  
Sputtering Systems**

*... all with the touch of a button.*



## COLT SERIES SPUTTERING SYSTEMS

### COLT 48®



The Mustang COLT 48® small-batch, fast-cycle sputtering system is designed to maximize production. The Colt 48 produces in rates that can **synchronize with injection molding machines** and **optimize your throughput potential**.

The Colt 48 offers a single-chamber, double-door design for increased productivity and versatility. The Colt helps decrease processing time with **in-chamber pretreatment, basecoat, sputtering and topcoat, all in a quick 3.5 minute cycle**. The result is an **unsurpassed, high quality coating**.

For quality control, the Colt 48 offers **network compatibility, on-board diagnostics, and a multi-user system interface** that is **simple to learn and operate**.

It's fast, flexible, and easy to use.

The Colt 48 offers **productivity, versatility, and profitability...** all with the touch of a button.

### Mini-COLT®

Introducing the Mini-COLT® ...

Mustang is now building a smaller version of the ever-popular COLT: The Mini-Colt is the perfect solution for manufacturers and coaters looking to **maximize** use of valuable **floor space**. The latest in cell manufacturing, the Mini-Colt has a **smaller footprint**, starting at 100 square feet, including workspace. It offers cycle times as low as 90 seconds, with great results- giving your parts the celebrated high-quality coating and Mustang's patented PlasCoat® top-coat.



## MAGNETRON CATHODES

### MUSTANG CATHODES™



Mustang's Magnetron Cathodes are one-of-a-kind. Our patented magnetron cathodes allow for **high rate deposition without overheating the substrate**. Our superior cathode technology gives users optimal sputtering deposition and production when used in a Mustang COLT or any sputtering system.



## CUSTOMIZATION & AUTOMATION

### COMPLETE FABRICATION: *Built to Meet Your Needs*

At Mustang Vacuum Systems, **we build** all of our machines **in-house, from start to finish** (engineering, chamber, frame, vacuum piping, cryo coil, software design, operator interface, etc), enabling us to customize machines to meet our customers' specific needs.

### AUTOMATION OPTIONS

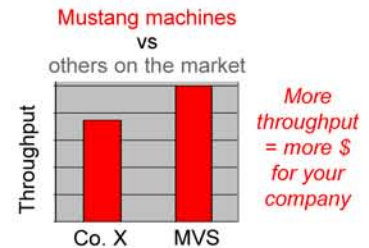
Single position load & unload operator interfaces are available for all of our sputtering systems. **Turnkey automation solutions** can also be developed utilizing our strategic partner relationships to eliminate costly operator overhead. **Custom solutions** are available. Contact us to discuss what we can do for your organization.



## INCREASED PRODUCTIVITY

### GREATER SPEED, HIGHER QUALITY

Mustang's COLT 48 is typically **25% FASTER** than the competing machines on the market, AND with **BETTER RESULTS**. Coated parts pass all forward lighting specifications. Productivity yield is > 95%, and our customers report scrap rates of < .05%.



## QUALITY COATINGS

### THE STYLE YOU WANT, THE DURABILITY YOU NEED

In addition to providing a superior aluminum coating, a Colt may be equipped to produce an array of distinctive metal coatings, including a variety of colors.

Mustang's PlasCoat® Topcoat exceeds all automotive forward lighting specifications. Special application topcoats are also available to meet your specified needs.



## EXCELLENT SERVICE

Mustang takes pride in providing superior service to all MVS customers, and offers a program that is unparalleled in the industry. You can count on Team Mustang to be at the ready with the support and supplies you need.

# Product Quick-Specs

## COLT® SERIES

### **Acceptable Substrate Materials**

Substrates: ABS, BMC, PC, PC + ABS, PMC, ASA, PA 6.6,  
Valox and others.  
Note: Substrate material must be vacuum stabile.

### **Consumables**

Typical Target Life: Approx. 5000 cycles, 10 days, 24 hours a day  
Target Materials: Cathode accepts targets of any metallic origin.  
incl: Aluminum, Chromium, Stainless Steel, Copper  
Process Gas: Argon, etc.

## COLT 48®

### **Productivity**

Average Cycle Time: 3.5 minutes

### **Tooling Dimensions**

Diameter: 28 inches (711.20 mm)  
Length: 48 inches (1219.20 mm)  
Max Tool Weight: 200 lbs (90 kg)

### **System Dimensions**

Width: 11 feet, 8 inches (3.56 meters)  
Depth: 14 feet (4.27 meters)  
Height: 9 feet, 2 inches (2.79 meters)

## Mini-COLT®

### **Productivity**

Average Cycle Time: 2 minutes

### **Tooling Dimensions**

Diameter: 24 inches (609.6 mm)  
Length: 24 inches (609.6 mm)  
Max Tool Weight: 200 lbs (90 kg)

### **System Dimensions**

Square Footage: From 100 sq ft, including workspace

## MUSTANG VACUUM SYSTEMS, LLC

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