CatArc® 3036

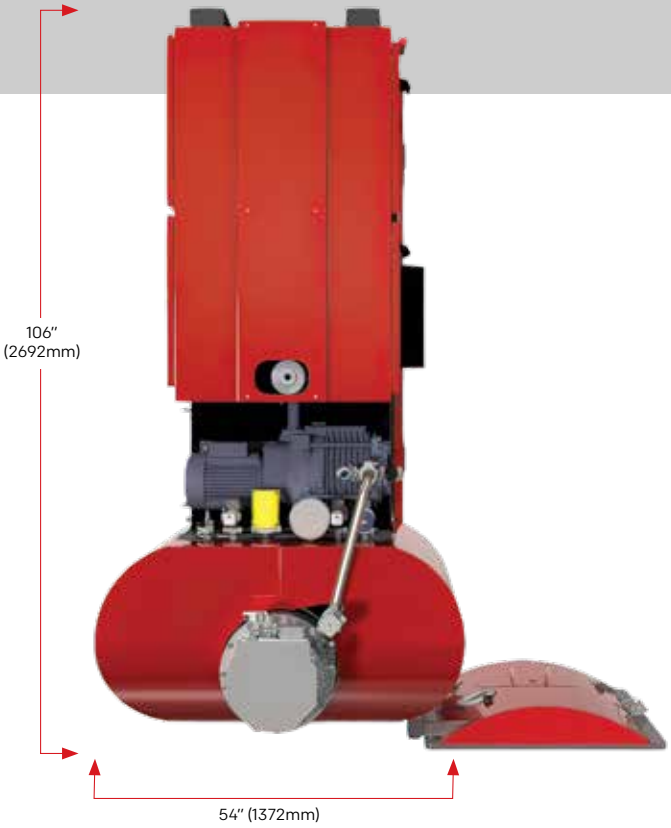
A state-of-the-art PVD coating system for industry

- Affordable & Reliable
- Large Throughput
- Small Footprint
- Ergonomic Design

Experience the latest switched arc performance for PVD Tribological Coatings, from the inventors of this innovative deposition technology...

CatArc® 3036

Fast, consistent cycles and premium coating film quality are trademarks of VTI PVD equipment.



Chamber design allows for easy access to all hardware components for maintenance activities, and allows for very straight-forward substrate load/unload.

SPECIFICATIONS

Stainless Steel Chamber with fast-change removable liners

Approximate Chamber Dimensions: 30" (762mm) W x 36" (914mm) H x 25" (635mm) D

Coating Zone: 20" (508mm) diameter table x 25" (635mm) Height

Dry Rotary Screw Roughing Pump, 65cfm (1.84 m^3/min)

320mm Turbomolecular Pump

3kW-18kW substrate heating options with thermocouple control

VAT Vacuum Valves

MKS Mass Flow Controllers

Inficon Gauges

10kW-30kW substrate bias power supply options

IGBT-switched CatArc® 2" x 10" (50mm x 254mm) sources

Arc-Enhanced Glow Discharge (AEGD) source for plasma cleaning/etching

Ferrofluidic rotary substrate rotation and viewport shutters

Thermocouple and infrared temperature control options

Touchscreen operator interface with PLC-controlled process, Industrial PC onboard

Ethernet port for remote diagnostics and support

UTILITY REQUIREMENTS

ELECTRICAL:
480VAC, 150 Amp, 3 Phase, 60Hz, 400V options available

COMPRESSED AIR:
87 psi (6 bar) 5 cfm (0.14 m^3/min)

COOLING WATER:
60-70 F (15-21C) non-condensing
25 gpm (95L/min)
45 psi (3.1 bar) inlet, maximum
Minimum pressure differential inlet-outlet of 20 psi (1.38 bar)

Vergason Technology, Inc.
166 State Route 224 | Van Etten, NY 14889 USA
607.589.4429
www.vergason.com | sales@vergason.com

VTI PROVIDES GLOBAL INSTALLATION, SERVICE, REPAIR, AND APPLICATIONS SUPPORT