

# CUSTOM PVD MACHINE

Technical System Presentation

# KEY FEATURES

PVD Machine

## VACUUM ARCHITECTURE

Robust AISI 304 chamber with a 3200 l/s turbomolecular pump for elite-level vacuum stability.

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## FLOW CONTROL

Advanced mass-flow controllers and precision gauges for exact process repeatability.

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# CONTROL & INTEGRATION

## Siemens PLC Intelligence

Integrated 19" touchscreen HMI provides an intuitive gateway to complex process parameters and real-time monitoring.

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## POWER SUPPLY

Pulsed DC bias for superior coating adhesion and control.

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## DIAGNOSTICS

Remote diagnostics ready for rapid support and zero-latency troubleshooting.

## KEY BENEFITS

### MAXIMIZED THROUGHPUT

Process up to 300 parts per cycle with rapid vacuum performance.

### COATING PERFORMANCE

CrN hardness around 2000 HV with 2–5  $\mu\text{m}$  thickness control.

### OPERATIONAL ROI

CSA compliant, robust construction, and flexible scalability for diverse industrial applications.