



TEMS Series

Large Batch, Fast Cycle, Evaporation Deposition System



TEMS 1400H

Thermal Evaporation

Metallizing System



- Pre-clean with mid-frequency AC plasma
- Base-coat with AC plasma polymerization
- Metallize with filament evaporation
- Top-coat with AC plasma polymerization
- Post-coat etch with AC plasma

**Corrosion
Shield**

**Thermal
Stability**

CONTACT US FOR A QUOTE: 607.589.4429 info@vergason.com www.vergason.com

V E R G A S O N T E C H N O L O G Y I N C O R P O R A T E D

VTI® TEMS 1400H

VTI TEMS Series either meets or exceeds industry standards at an excellent value.

SPECIFICATIONS

TOOLING DIMENSIONS

6 Planets
Diameter: 16.2 inches (410 mm)
Length: 65 inches (1650 mm)

SYSTEM DIMENSIONS

Length: 124 inches (3.15 m)
Width: 169 inches (4.29 m)
Height: 91 inches (2.31 m)
Weight: 10,000 pounds (est.)

PUMP PACKAGE

Oerlikon Leybold Vacuum SV630
 mechanical pump
 Oerlikon Leybold WH4400 roots blower
 Agilent Technologies HS-20 diffusion pump
 with thermocouple and pump cart

SUBSTRATE TYPES

All vacuum stable plastics

DEPOSITION SOURCES

Twenty (20) thermal evaporation filaments with
 20kW total power
 10kW 40kHz plasma power with two electrodes

VACUUM CHAMBER DIMENSIONS

Diameter: 60 inches (1525 mm)
Depth: 75 inches (1905 mm)

DEPOSITION MATERIALS

Aluminum (and other low melting point materials)
 Siloxane polymers

SYSTEM CONTROL

Allen-Bradley Compact Logix PLC
 Allen-Bradley Panelview Plus 1500
 VPN Remote Ethernet access

POWER

Electrical
 480 V three phase 50/60 Hz 200A 70kW
 400 V three phase 50/60Hz 200A 70kW
 380 V three phase 50/60Hz 200A 70kW
 Compressed air operated valves, dry air vent
 optional. Chilled water required 15GPM.

BENEFITS

- Fully automated work cycles
- Rapid cycles for high productivity
- Removable shielding for easy maintenance
- Quick change fixturing
- Network compatibility for online diagnostics or troubleshooting

(Ethernet connection required)

Founded in 1986, Vergason Technology, Inc. has been a global leader in coatings and shielding services for over 25 years. With patents and trademarks in Press-Side® Rapid Cycle Metalizing and CatArc® Cathodic Arc technology, VTI has set the standard in PVD coatings and equipment.

At VTI, our focus is to provide our customers with cutting edge coating services that are unsurpassed in quality and value.

VERGASON TECHNOLOGY IS ISO 9001:2008 TIER 1 SUPPLIER, ITAR REGISTERED, ROHS COMPLIANT

FIND OUT MORE

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