

EQUIPMENT *fact sheet*

# VT-Series™ Systems

Achieve superior functional, durable decorative, or diamond-like carbon (DLC) coatings with our PVD and PE-CVD thin-film deposition systems.

## Overview:

The VT-3000i is the largest VaporTech coating system designed for high throughput or parts up to 1.2m (48 inches). The VT-1500 thin-film deposition system offers the same capabilities as the VT-3000i but with a smaller chamber that coats a broad range of parts (up to 32 inches) cost-effectively with a wide variety of finish options.

Our unique centrally-mounted cathodic arc deposition source ensures consistency and maximum control over coating uniformity and properties. Lower temperatures enable you to coat a wide variety of materials such as steel, brass, zinc, or prepared plastic, giving products made of multiple materials a common finish and appearance. Coatings can be custom-designed to meet your specifications for color or function.

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 VaporTech.

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# VT-Series Systems

## Detailed information

### KEY capabilities



#### Uniformity

Excellent color uniformity & deposition rates throughout the chamber.



#### Consistency

Even coating deposition rates throughout the chamber.



#### Low temp

Lower-temperature process suitable for both metal and plastic parts.



#### Part sizes

coat large parts up to 122 cm (48 inches) long.



#### Flexibility

Multiple size systems, multiple processes per system.

### SPECIFICATIONS:

*VT-3000i*

*VT-1500*

#### System Capacity

Coating zone	48 in. (1.22m)	32 in. (810cm)
Part rack size	48 in. x 8 in.Ø (or 10)	32 in. x 8 in.Ø (or 10)
Rack quantity	16 (or 8)	10
Loading capacity	1600 lbs. (726kg)	1600 lbs. (726kg)

#### Size

Height	150 in. (3.8m)	145 in. (3.7m)
Width	141 in. (3.6m)	160 in. (4.1m)
Depth	170 in. (4.3m)	224 in. (5.7m)*

\*Depth dimension with door closed; does not include service clearance.

#### Coating Technologies

- Low-Temperature Arc Vapor Deposition (LTAVD®)
- Plasma-Enhanced Chemical Vapor Deposition (PE-CVD)
- Diamond-Like Carbon (DLC)

