

## VACUUM TABLES

### Vacuum Curing/Debulking Table (VT Series)

- ▶ Heat and vacuum in one easy step for debulking and curing composite parts
- ▶ Single setup greatly reduces overall time and cost associated with traditional debulking and autoclave curing
- ▶ Reusable vacuum bag with an 800% elongation factor
- ▶ Curing temperatures up to 400°F (204°C)
- ▶ Individual zone controls
- ▶ Wide variety of configurations available to meet your application



VT10000 Series



## VACUUM TABLES

### Vacuum Curing/Debulking Table

(VT Series)

#### Specifications:

##### General

**Maximum Continuous Operating Temperature:** 400°F (204°C)

**Temperature Control Type:** Programmable, PID autotuning, multiple ramp/soak steps

**Temperature Control Display:** Dual display shows set-point and actual process temperature

**Temperature Display Units:** °F or °C

**Heating Element:** Multi-stranded resistance wire heating tapes layed out evenly underneath aluminum surface for optimal temperature uniformity

**Heater Break Protection:** Included

**Alarms:** Type J thermocouple with audible high temperature alarm and loop break alarm

**Security:** Program security lock levels

**Table Surface Material:** T6061 Aluminum

**Table Surface Thickness:** 0.5 in (13 mm)

**Table Structure:** 2.5 in (635 mm) steel box tubing

**Lid:** Dual ball screw actuators for positive lid movement

**Safety Interlocked Push Buttons:** Ensures both hands are on the operating console while the lid is in motion

**Casters:** Polyurethane, (6) swivel, ends are locking type

**Sound Level:** Less than 65 db CFM of db

##### Power

**Voltage:** Choice of 3-phase 208, 240, 380, or 480VAC

**Frequency:** 50-60 Hz

**Fuse Protection:** Included

##### Vacuum

**Vacuum Pump:** 2-stage electric oil-less rocker piston vacuum pump

**Vacuum Gauge:** Dry, dual scale, 0- 30 inHg / 0-100 kPa / 0-1 bars, 2.5 in (635 mm) diameter

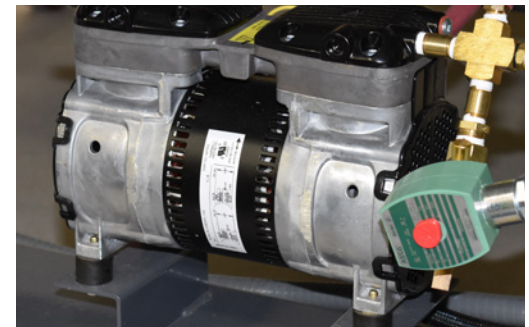
**Vacuum Bag:** High tear strength, reversion resistant silicone rubber reusable vacuum bag, clear, 25 shore A hardness, 800% elongation, 700 PSI tensile

**Vacuum Seal:** Silicone rubber delta seal

**Maximum Vacuum Pressure:** 28.8 inHg (711 mmHg)



Easy-to-Use Operator Interface



Vacuum Pump

**VACUUM TABLES**

**Vacuum Curing/Debulking Table**

(VT Series)

**Specifications (continued):**

**Physical Dimensions and Weights:**

Size	VT4000	VT8000	VT10000
Width	77 in (1.9 m)	143 in (3.6 m)	150 in (3.8 m)
Depth	72 in (1.8 m)	72 in (1.8 m)	84 in (2.1 m)
Height (closed)	45 in (1.1 m)	45 in (1.1 m)	45 in (1.1 m)
Height (open)	118 in (3.0 m)	118 in (3.0 m)	118 in (3.0 m)
Top Surface Area	60 in x 66 in (1.5 m x 1.7 m)	60 in x 132 in (1.5 m x 3.4 m)	72 in x 144 in (1.8 m x 3.7 m)
Useable Area	52 in x 56 in (1.3 m x 1.4 m)	52 in x 124 in (1.3 m x 3.1 m)	66 in x 138 in (1.7 m x 3.5 m)
Vacuum Ports	1	4	6
Weight	1200 lbs (544 kg)	2000 lbs (907 kg)	3600 lbs (1633 kg)

**Amperage Requirements:**

Table Size	Voltage			
	240	208	480	380
VT4000	50	55	30	35
VT8000	85	95	50	55
VT10000	110	120	60	70

**Ordering Information:**

VT 10000 - A 30 B 2 -TH

**Vacuum Debulking/Curing Table**

**Size:**

4000 = 60 in x 66 in (1.5 m x 1.7 m) total  
8000 = 60 in x 132 in (1.5 m x 3.4 m) total  
10000 = 72 in x 144 in (1.8 m x 3.7 m) total

**Voltage:**

A = 240 VAC 3-phase  
B = 208 VAC 3-phase  
C = 480 VAC 3-phase  
D = 380 VAC 3-phase

**Wattage:**

Wattage (standard): 30 (3.0 W/in<sup>2</sup>)

**Table Options:**

A- Table without lid, includes pump  
B- Table with lid and pump  
E- Table with lid, pump and data logger  
F- Table with lid but no pump (connection only)  
G- Table as "B" with dual power inputs

**No. Zones (on Table):**

1 - Single Zone (VT4000)  
2 - Two Zones (VT8000 and VT10000)

**Top Option:**

- TH - Adds Top Heat Blanket  
- I - Adds Top Insulating Blanket



**Custom Designs Available:** Contact your local distributor or BriskHeat® for more information.