

# VIGOR

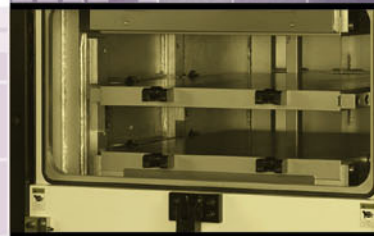
## 400° 油熱式真空壓合機

## 400° VACUUM LAMINATION EQUIPMENT

### VLPH-200

#### 特性 FEATURES

1. 壓機鋼構本體，依電腦精密結構計算，即受力變型分析，採高強度鋼焊接完成後，經完整之內應力消除，一體成型加工，確保機械持久性之重複精度。
  2. 機台外部增加隔熱鍍金，可經由排風系統將機台餘熱排出，保持工作區的溫度不致過高。
  3. 熱板使用特殊鋼板，使機台在400°C運轉時不會軟化變形，並經過多道加工研磨，無論平坦度或平行度針對單一熱板檢測皆可達到 $\pm 0.015\text{mm}/\text{m}$ 的高精度，且溫度公差可控制在 $\pm 1.5^\circ\text{C}$ 內。
1. The machine frame construction is calculated by computer to analyze stress/strain conditions. It is one-piece welded from high tensile steel, and stress rolled to ensure lifetime repeatability accuracy.
  2. The external of the machine is equipped with a heat isolated sheet metal. It allows the remaining heat to be exhausted through an air exhaust system, that avoids over-temperature in working area.
  3. The heating platen is manufactured from special steel plate to avoid machine deformation even operating at 400°C. The heating platen is machined and ground through several processes. Flatness and parallelism accuracy on a single platen can reach  $\pm 0.015\text{mm}/\text{m}$ . Also, temperature tolerance can be controlled with  $\pm 1.5^\circ\text{C}$ .



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## 400° 油熱式真空壓合機

# VLPH-200

### 規格表 SPECIFICATIONS

項目	ITEM	單位 UNIT	VLPH-200
總出力	Tonnage	Ton	200
油缸直徑	Ram diameter	mm	φ 355
熱板尺寸	Size of heating platen	mm	660 x 760
有效壓合尺寸	Effective pressing area	mm	610 x 710
間距	Opening	mm	120
開口數	Number of opening		2 open
面壓	Pressure on platen	kg/cm <sup>2</sup>	MAX 46
加熱方式	Type of heating		Thermo-oil heating
所需電源	Electricity		3 φ 220V / 380V / 415V, 50 / 60HZ
所需電力	Power consumption	kw	99
真空度	Vacuum degree		20-10 Torr/3~4 min
壓力精度	Pressure accuracy	kg/cm <sup>2</sup>	±0.5
使用溫度	Temperature		MAX:400°C
溫度精度	Temperature accuracy		±1.5°C
機器尺寸(長x寬x高)	Machine size (LxWxH)	mm	1850 x 1250 x 1200

※規格及尺寸如有變更，恕不另行通知。

※Specifications & dimensions subject to change, without prior notice.

#### 電器控制單元：

1. 先進之工業級電腦控制系統，以電腦數位圖控軟體搭配WIN XP/ WIN 2000作業系統，編撰軟體操作控制程式，於螢幕上同時操作溫控並紀錄溫度、壓力、真空度、第三曲線及數據。
2. 人性化的操作模式，簡單易學，可記憶5000組以上生產製程配方。

#### 液壓系統：

精選台、美、歐、日之液壓系統元件即泵浦，並採集體迴路系統設計，確保液壓系統操作之穩定性及系統精度。

#### 加熱及冷卻單元：

1. 加熱單元使用磁力驅動泵浦及各式耐高溫閥件，使系統可在400°C之高溫下正常運轉。冷卻器內部採用不銹鋼U型管設計，沒有銹蝕穿孔及因冷縮熱脹，而產生之公安危險，一體成型製作美觀不佔空間。
2. 累積多年測試及實際操作經驗，在精確之互補計算下，保證得到最安全及合適之加熱及冷卻之效果。

#### 真空系統：

真空泵浦使用德製高能效泵浦，在定期保養下，壽命長、效能佳及維修率低之優點。

#### CONTROL SYSTEM：

1. The advanced industrial grade computer control system employs digital controlled software combined with WIN XP/WIN 2000 operation system and program editing software. The screen provides temperature control. Temperature, pressure, vacuum, third

curve and data can be recorded.

2. Humanized operation system permits easy learning. Memory capacity for production formula is over 5,000 sets.

#### HYDRAULIC SYSTEM：

The hydraulic system employs high quality parts and pump from Taiwan, U.S.A. Europe and Japan, and is an integrated circuit design. The outstanding hydraulic system ensures maximum stability of motions and system accuracy.

#### HEATING AND COOLING SYSTEM：

1. The heating employs magnetic-drive pump and various heat-resistant valves, assuring normal performance even operating at 400°C high temperature. The interior of the cooler is designed with stainless steel "U" shaped tubes, that fully eliminates the danger caused by rusting, penetrating holes, cold shrinking or hot expanding. It is one-piece fabricated, featuring beautiful outlook and space saving.
2. With years of tests and practical experience of operation combined with accurate calculation to achieve the maximum safety and correct heating and cooling effect.

#### VACUUM SYSTEM：

The vacuum pump employs Germany-made high performance pump. It features long service life, superior performance and minimum maintenance under periodic maintenance condition.

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