

DTPS 微電腦觸控式超音波電箱

- 焊接模式：時間、能量、相對行程、絕對行程、參考行程
- 參數記憶：可儲存100組設定
- 觸感起振：時間控制、壓力控制
- 焊接歷史：可記憶最後90組

DTPS PLC+touch type HMI ultrasonic generator

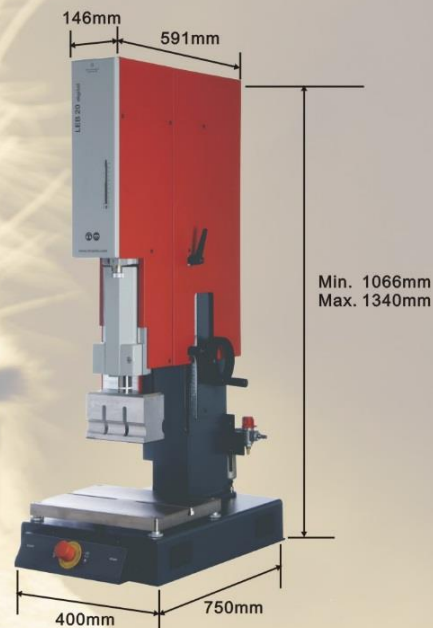
- Welding mode: Time, Energy, Travel Diff., Travel Absolute, Travel Ref.
- Max. Dataset: 100 sets
- Trigger: Timer or Pressure
- Welding result: Max. last 90 welding

LEB-20 Digital

LEB-20 Digital 系列適用於大面積熱塑性塑膠之焊接
The ultrasonic welding machine LEB-20 series is suitable for welding operations of thermoplastic parts from medium to large size

- 立柱使用鳩尾槽設計，下壓焊接機械不偏移
- 可程式控制五段壓力分佈
- 圖形化焊接資料曲線分析
- 電磁傳感式精密行程測量套件，精密度 $\pm 0.01\text{mm}$
- 數位化控制壓力觸感起振套件
- 可選購與PC連線套件，儲存焊接資料，方便日後追蹤
- 可檢視機身各項開關功能
- 可選擇符合歐洲CE安全規範之操作模式

- Dove-tail main column, no deflection during stroke movement
- Programmable step control for air pressure
- Graphic display of welding result
- Optional travel measurement unit with accuracy $\pm 0.01\text{mm}$
- Optional pressure trigger unit and digital controller
- Optional PC communication device for storing welding data for tracking
- Special program to check all switches on the press
- CE operating mode is available



易拆卸之震動子擴大錐座，僅需一只板手即可輕易更換焊頭

Easy tool changing, only need one wrench for replacement



可控制氣缸行程旋鈕，每轉一圈為1mm，精密度達0.01mm

Vernier screw for controlling the travel. Accuracy: 0.01mm



四點式底座設計，配備有刻度調整螺絲，可快速調整底模水平

4-corner base with screws for horizontal adjustment.



精密耐高荷重Roller滑軌，下降焊接不晃動

Heavy-loading roller rail, no deflection during downward stroke

Specification LEB-20 Digital

超音波頻率 Operating Frequency	20KHZ
驅動氣缸 Drive type	雙動式氣缸， $\varnothing 80\text{mm}$ Pneumatic double acting air cylinder $\varnothing 80\text{mm}$
空壓力需求 Drive energy	最大7 bar，正常6 bar， 最大耗氣量：每次下壓約消耗8 lt.n (6 bar時) Compressed air supply: 7 bar max. 6 bar nominal Max. consumption at 6 bar: approx. 8 lt.n/ stroke
最大下壓力 Max. force	3000N (空氣壓力6 bar時) 3000N at 6 bar compressed air
可調整行程 Stroke range	20~100 mm，不需調整機身高度。 可微調，精密度0.01mm 20~100mm. No need to adjust press height. Accuracy: 0.01mm
重量(含電箱) Weight with generator	125 kg
焊頭至立柱中心距離 Throat depth	220 mm (可選購更大距離機種) 220mm (larger throat depth is upon request)
機身可調高度範圍 Height adjustment	280 mm (可選購更高行程機種) 280 mm (larger travel is upon request)
搭配電箱 Generator	Anaconda 20: <input type="checkbox"/> 1000/1500/2000/3000W DTPS 20:
溝通介面 Communication	RS232, USB
顯示輸入 Display	7吋觸控式螢幕 (可選購彩色螢幕) 7" touchable type LCD, Color type is for option

操作模式 Operating Mode	時間、能量、行程、功率、超音波停振模式 Time, Energy, Travel, US-Stop, and Power mode
限制值模式 Limit mode	設定需要能量、時間、功率、行程、工件數 Required Energy, Time, Power, Travel, Parts
即時監測 Real time monitor	頻率、功率、行程、能量、功率損失 Frequency, Power, Travel, Energy, Power loss
振幅調整 Amplitude	50% ~ 100% (1%調整間距) Adjustable, 50-100% in 1% steps
壓力分佈控制 Pressure control	數位式五段壓力分佈調整 Digital pressure control in 5 steps
設定參數資料庫 Data bank	100 組 100 sets
焊接歷史資料庫 Welding history	90 組 90 sets



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- 觸感起振：時間控制、壓力控制
- 焊接歷史：可記憶最後90組

DTPS PLC+touch type HMI ultrasonic generator

- Welding mode: Time, Energy, Travel Diff., Travel Absolute, Travel Ref.
- Max. Dataset: 100 sets
- Trigger: Timer or Pressure
- Welding result: Max. last 90 welding

LEB-35 Digital

LEB-35 Standard系列適用於小面積熱塑性塑膠之焊接
The ultrasonic welding machine LEB-35 Standard is suitable for welding operations of thermoplastic parts of small size

- 立柱使用鳩尾槽設計，下壓焊接機械不偏移
- 可程式控制五段壓力分佈
- 圖形化焊接資料曲線分析
- 電磁傳感式精密行程測量套件，精密度 $\pm 0.01\text{mm}$
- 數位化控制壓力觸感起振套件
- 可選購與PC連線套件，儲存焊接資料，方便日後追蹤
- 可檢視機身各項開關功能
- 可選擇符合歐洲CE安全規範之操作模式

- Dove-tail main column, no deflection during stroke movement
- Programmable step control for air pressure
- Graphic display of welding result
- Optional travel measurement unit with accuracy $\pm 0.01\text{mm}$
- Optional pressure trigger unit and digital controller
- Optional PC communication device for storing welding data for tracking
- Special program to check all switches on the press
- CE operating mode is available



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Vernier screw for controlling the travel. Accuracy: 0.01mm



四點式底座設計，配備有刻度調整螺絲，可快速調整底模水平

4-corner base with screws for horizontal adjustment.

Specification LEB-35 Digital

超音波頻率 Operating Frequency	35KHZ
驅動氣缸 Drive type	雙動式氣缸， $\varnothing 40\text{mm}$ Pneumatic double acting air cylinder $\varnothing 40\text{mm}$
空壓力需求 Drive energy	最大7 bar，正常6 bar， 最大耗氣量：每次下壓約消耗2.5 lt.n (6 bar時) Compressed air supply: 7 bar max. 6 bar nominal Max. consumption at 6 bar: approx. 2.5 lt.n/ stroke
最大下壓力 Max. force	745N (空氣壓力6 bar時) 745N at 6 bar compressed air
可調整行程 Stroke range	20~100 mm，不需調整機身高度。 可微調，精密度0.01mm 20~100mm. No need to adjust press height. Accuracy: 0.01mm
重量(含電箱) Weight with generator	40 kg
焊頭至立柱中心距離 Throat depth	170 mm (可選購更大距離機種) 170mm (larger throat depth is upon request)
機身可調高度範圍 Height adjustment	180 mm (可選購更高行程機種) 180 mm (larger travel is upon request)
搭配電箱 Generator	Anaconda 35: <input type="checkbox"/> 600/900W DTPS 35: <input type="checkbox"/>
溝通介面 Communication	RS232, USB
顯示輸入 Display	7吋觸控式螢幕 (可選購彩色螢幕) 7" touchable type LCD, Color type is for option

操作模式 Operating Mode	時間、能量、行程、功率、超音波停振模式 Time, Energy, Travel, US-Stop, and Power mode
限制值模式 Limit mode	設定需要能量、時間、功率、行程、工件數 Required Energy, Time, Power, Travel, Parts
即時監測 Real time monitor	頻率、功率、行程、能量、功率損失 Frequency, Power, Travel, Energy, Power loss
振幅調整 Amplitude	50% ~ 100% (1%調整間距) Adjustable, 50-100% in 1% steps
壓力分佈控制 Pressure control	數位式五段壓力分佈調整 Digital pressure control in 5 steps
設定參數資料庫 Data bank	100 組 100 sets
焊接歷史資料庫 Welding history	90 組 90 sets