



華勝科技股份有限公司
WASON TECHNOLOGY CO., LTD.

► 產品項目 PRODUCTS

單液點膠機 Single Fluid Dispensers 兩液型點膠機 2 Component Dispensers
自動化系列 Automations 真空灌注系列 Vacuum Dispensing Systems

► 適用種類 APPLICATIONS

環氧樹脂 Epoxys PU 聚氨酯 PU Foams & Elastomers
矽利康膠 Silicon Gels 壓克力膠 Acrylic Gels



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全自動單·雙液點膠系列

Automatic Single &
Two-component Dispensers

■ 公司簡介 Company Profile

華勝科技創立於 1995 年並致力於專業點膠設備的設計與製造。其基本的企業理念為提供使用者簡易、高效率、可信賴、價格合理以及操作簡便的使用介面。所有的機器皆採用 Intel 的中央處理器，以及可調整式混合比例、高速液壓供料、電子恆溫控制...等。

華勝科技於 2001 年成立中國大陸東莞分公司並致力於中國市場的開拓與提供即時且在地技術服務。其後於 2005 年初，華勝科技台灣總公司新廠辦正式啟用，這不僅大幅提高了生產量能並且代表著華勝更進一步邁向國際化的決心與全球市場的佈局。

正如最初的創業理念，為客戶提供高效能、可信賴，價格合理並且簡單操作的人性化點膠機一直是我們努力的目標。

國外據點及代理商募集中！

Wason Technology was established in 1995 to dedicated in Resin Dispenser Design and manufacturing. Wason designs a series of resin dispensers from single fluid to 2-component in order to meet requirements from different fields and production levels. Every Wason's machine is powered by Intel CPU, ratio adjustable, high speed air compressed & permanent thermal control.

In 2001, the first branch was setup in Dongguan city, Guangdong province of mainland China to provide real time service and rapid response to the market. In the early of 2005, a brand new head quarter is activated in Taiwan. This is not only increase our production capacities but also place our selves in compete with challengers from all over the world.

Acting as an original designer, Wason is not only supply standard glue dispensersbut also tailor-made every machine according to customers' specifications with punctual delivery. As the original idea, providing Highly Efficient, Reliable, Affordable & User Friendly Interface, Humanity Orientation is Wason's commitment to its customers!

Overseas Agent/Distributor Wanted.



■ 雙液點膠機 Two Component Dispenser

兩液型點膠機之關鍵在於 (1) 混合比例正確；(2) 出膠定量穩定；以及 (3) 兩液混合均勻。

所有華勝兩液型定量點膠機皆採用高精密齒輪幫浦／高精密耐磨螺旋幫浦，以確保出膠比例正確、定量穩定，標準誤差值皆可控制在 $\pm 0.1\%$ 以內，非傳統氣壓氣缸式灌注機所能達到。再者，混合方式有靜態與高速動態攪拌以確保各種膠材皆能確實混合均勻。

Three critical points have to be considered when choosing a two-component dispenser, which are: (1) mixing ratio, (2) stability of dispense quantity per shot, and (3) completely & thoroughly mixing result. Every Wason two-component dispenser utilizes high precision gear pumps / progressive cavity pumps to create a repeatable mixing ratio and shot size. This is not the common piston system can achieve. The repeat Torrance is controlled at less than $\pm 0.1\%$.

About the mixture, two systems (static & dynamic) are available for requirements from different materials.

基本配備為：

- 不銹鋼機身
- 固定式機械齒輪比例
- 靜態混合
- 微電腦單晶片控制
- 互動式人機介面
- 7組教學式定量記憶
- 高精密齒輪幫浦
- 料桶及輸料管加熱功能
- 料桶低液位警示
- 機台故障保護偵測

Standard Features:

- Stainless Steel Construction
- Fixed Ratio Design
- Static Mixture
- Single Chip Microprocessor Controlled
- Interactive Control Panel
- 7 Memory Shot Size Settings
- Precision Gear Pump
- Material Tank & Tube Heater
- Material Empty Warning
- Error Protection

機台附加功能為：

- S-可調式電子齒輪比例控制
- D-高效動態混合膠槍
- V-真空幫浦，料桶真空脫泡
- C-耐磨耗螺旋幫浦
- R-管路自動回流系統
- A-料桶自動正壓補料

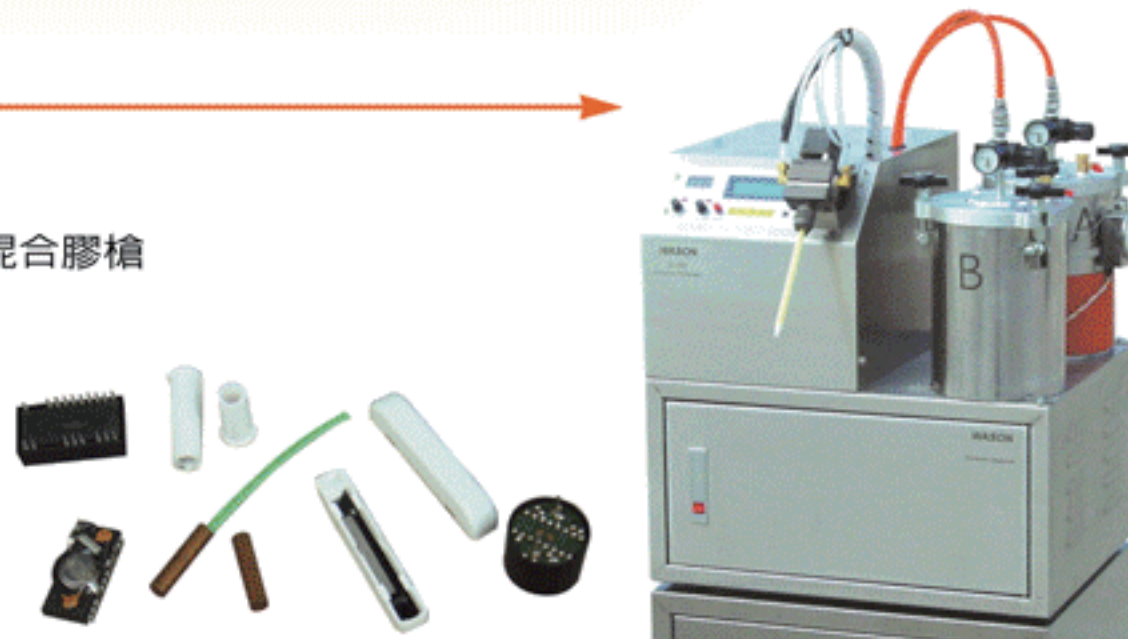
Optional Features:

- S-Ratio Variable
- D-Dynamic Mixing Valve.
- V-Vacuum Pump, (for tank degassing).
- C-Durable Progressive Cavity Pump.
- R-Material Re-circulation.
- A-Material Tank Auto Refill.

雙液點膠機 Two Component Dispenser

G-160/180

- 灌注量：0.2 - 3cc
- 料桶容量：2L / 5L
- 可附加功能為：D- 高效動態混合膠槍
- Shot Volume: 0.2 - 3cc
- Tank Capacity: 2L / 5L
- Optional Feature:
D- Dynamic Mixing Valve.



G-260/280

- 灌注量：2 - 100cc
- 料桶容量：20L / 40L
- 可附加功能為：
D- 高效動態混合膠槍
V- (外接) 真空幫浦，料桶真空脫泡
C- 耐磨耗螺旋幫浦
R- 管路自動回流系統
- Shot Volume: 2 - 100cc
- Tank Capacity: 20L / 40L
- Optional Feature:
D- Dynamic Mixing Valve.
V- Vacuum Pump, (for tank degassing)
C- Durable Progressive Cavity Pump.
R- Material Re-circulation.



G-360/380

- 灌注量：2 - 200cc
- 料桶容量：30L / 60L
- 可附加功能為：
S- 可調式電子齒輪比例控制
D- 高效動態混合膠槍
V- 真空幫浦，料桶真空脫泡
C- 耐磨耗螺旋幫浦
R- 管路自動回流系統
A- 料桶自動正壓補料
- Shot Volume: 2 - 200cc
- Tank Capacity: 30L / 60L
- Optional Feature:
S- Ratio Variable
D- Dynamic Mixing Valve.
V- Vacuum Pump, (for tank degassing)
C- Durable Progressive Cavity Pump.
R- Material Re-circulation.
A- Material Tank Auto Refill.



壓盤式點膠機 Follower Plate Dispenser

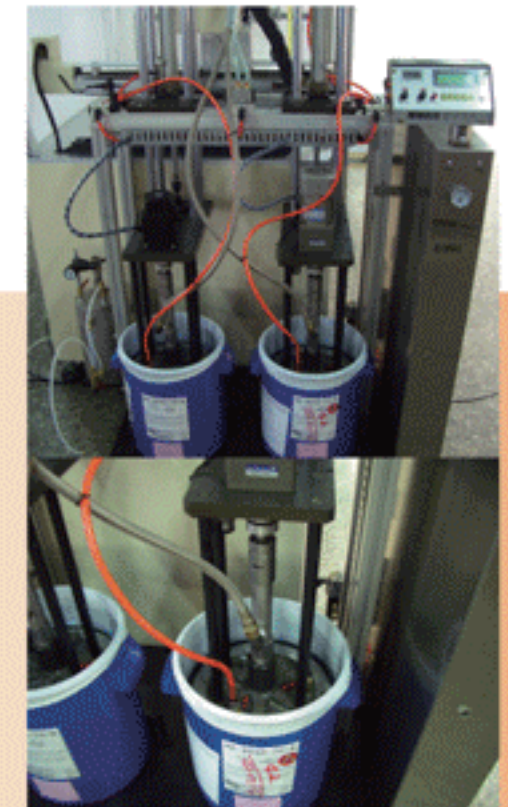
兩液型點膠機 2-component Dispenser

適用於：針對高黏度低流動性膠材料設計，膠材料不必另外分裝或倒料至機台料桶，可避免包攬氣泡。利用壓盤擠壓膠材輸送至上端定量幫浦出料，壓盤及幫浦固定於汽缸固定座，可隨料桶液面改變高度，待壓盤行進至桶底時，磁簧開關感應後告知料桶欠料。配合螺旋幫浦計量可連續出料，無幫浦回充停頓時間。

Designed For:

Designed for viscous paste such as RTV silicone, epoxy or polyurethane. Without transfer material to machine reservoir tanks, user can directly install the supplier's 5 gallon or 55 gallon ram to machine follower plate metering system. Therefore, no additional air trap caused from material refill.

By squeezing the material ram, follower plate and its Progressive Cavity metering pump provides repeatable and continues flow of liquid paste. When follower plate travels to lower limit, it will lead to tank empty warning. The Progressive Cavity pump is able to provide non-stop continue flow without pump recharging idle.



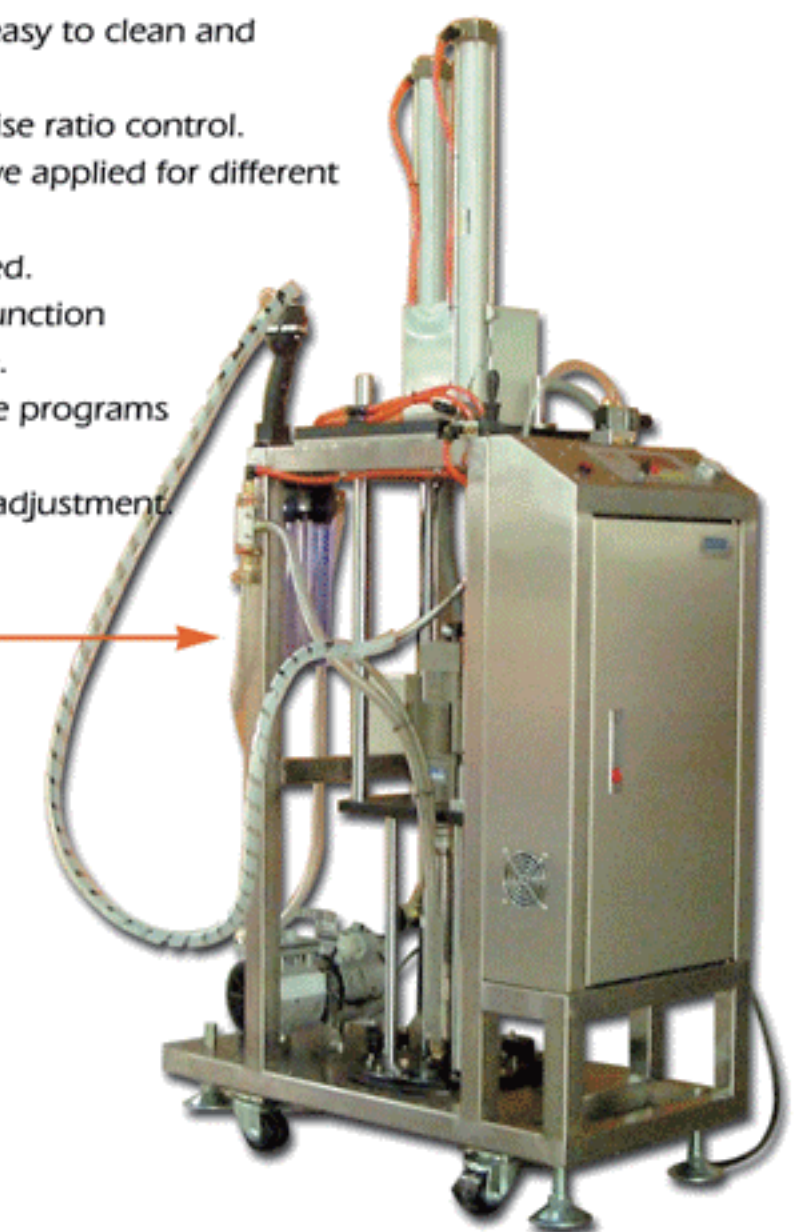
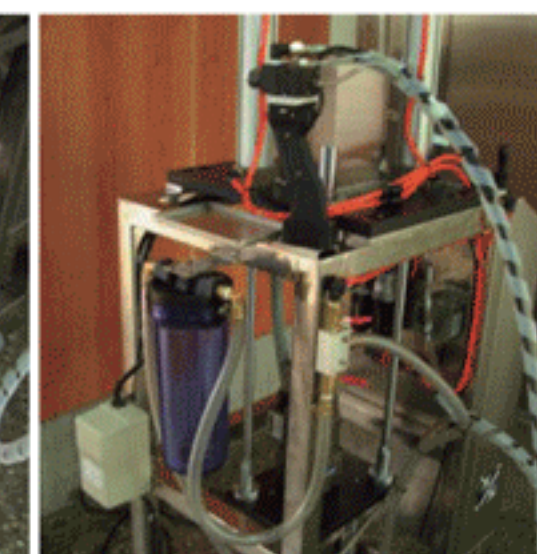
機台功能說明：

1. 全機不鏽鋼機架。
2. 比例調整：電子式齒輪比例控制，比例可任調。
3. 混合方式：靜態混合/動態混合。
4. 微電腦式計量處理器。
5. 學習教導式記憶定量。
6. 7組定量記憶。
7. 吐膠速率可輕易改變。

Features:

1. Stainless steel construction, easy to clean and maintenance.
2. Variable ratio design for precise ratio control.
3. Static or Dynamic mixing valve applied for different material requirements.
4. PCB Microprocessor controlled.
5. Interactive memory setting function creates user friendly interface.
6. Multiple variable shot volume programs up to 7 sequences.
7. Easy shot size and flow rate adjustment.

單液型點膠機 Single-component Dispenser



■兩液型PU灌注機、發泡機 Two-component PU Dispenser

兩液型PU灌注機、發泡機與一般兩液型點膠機最大的不同點在於下列幾點：

- (1) 混合比例必須要可以輕易調整；
 - (2) 配合高速動態混合膠槍；
 - (3) 料桶真空脫泡；以及
 - (4) 混合管清洗便利，尤其當膠材反應速度極快時。
- 所有華勝 PU 灌注機、發泡機皆可以達到上述要求。

PU foaming machine and PU dispenser are different from other two-component dispenser at the following features:

- (1) Mixing ratio has to be easily adjusted and digitally controlled.
- (2) High speed dynamic mixing valve.
- (3) Material tank degassing.
- (4) Mixer must be easily clean when the curing time of mixed material is short.

Every Wason two-component PU foaming machines and dispensers are designed for achieving the above factors.

基本配備為：

- 不銹鋼機身
- 固定式機械齒輪比例
- 靜態混合
- 微電腦單晶片控制
- 互動式人機介面
- 7 組教學式定量記憶
- 高精密齒輪幫浦
- 料桶及輸料管加熱功能
- 料桶低液位警示
- 機台故障保護偵測

Standard Features:

- Stainless Steel Construction
- Fixed Ratio Design
- Static Mixture
- Single Chip Microprocessor Controlled
- Interactive Control Panel
- 7 Memory Shot Size Settings
- Precision Gear Pump
- Material Tank & Tube Heater
- Material Empty Warning
- Error Protection

機台附加功能為：

- S - 可調式電子齒輪比例控制
- D - 高效動態混合膠槍
- V - 真空幫浦，料桶真空脫泡
- R - 管路自動回流系統
- A - 料桶自動正壓補料
- P - 可換色色膏控制
- M-28/51 - 28組/51組多組定量記憶介面

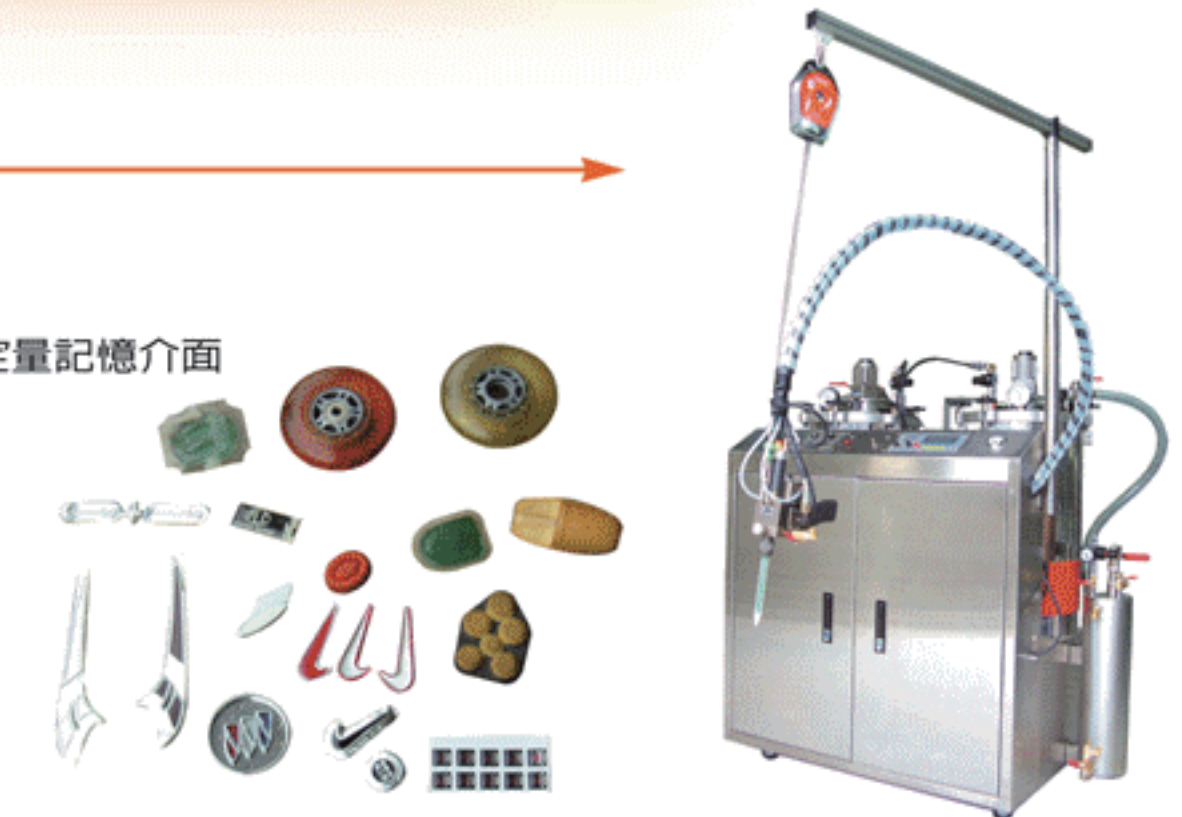
Optional Features:

- S - Ratio Variable
- D - Dynamic Mixing Valve.
- V - Vacuum Pump, (for tank degassing).
- R - Material Re-circulation.
- A - Material Tank Auto Refill.
- P - Variable Pigment Selection.
- M-28/51 - 28/51 Memory Settings & Programming Touch Pad

■兩液型PU灌注機、發泡機 Two-component PU Dispenser

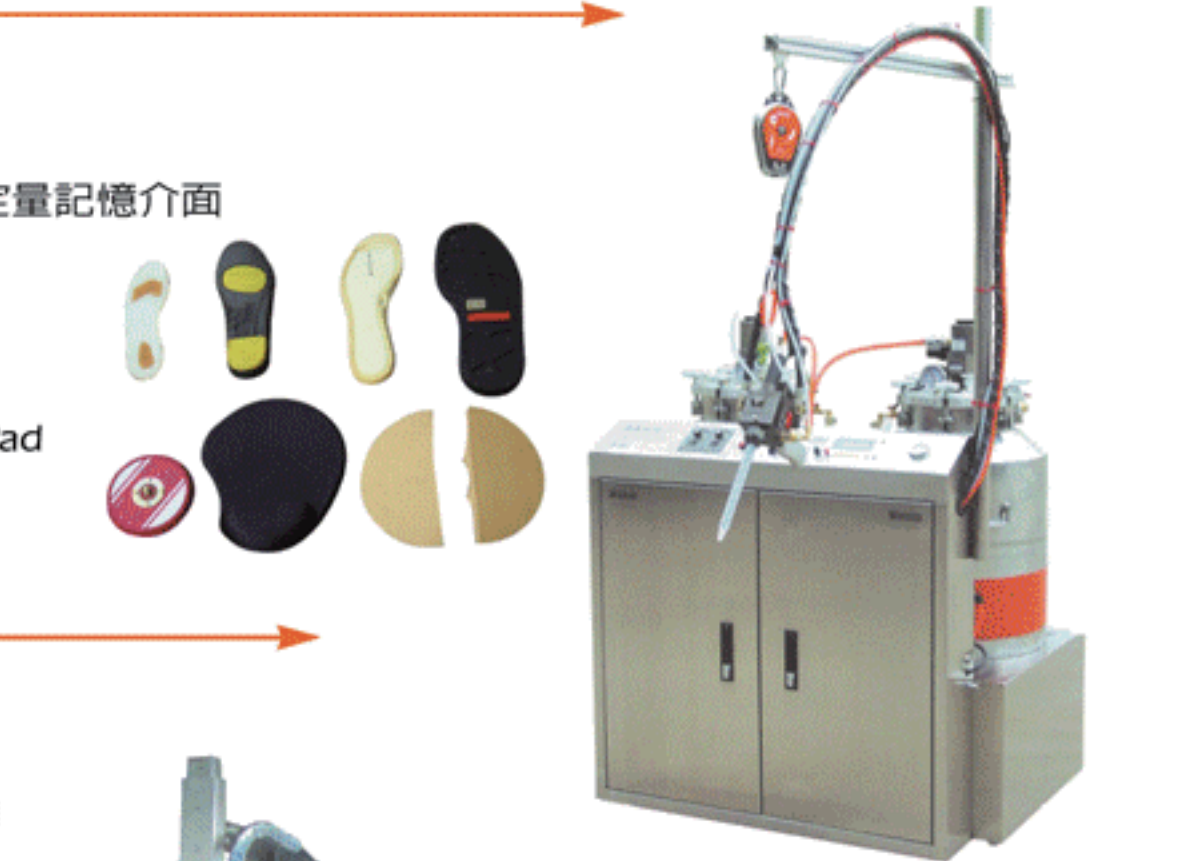
G-380

- 灌注量：0.5 - 500cc
- 料桶容量：60L
- 可附加功能為：S. D. V. R. A.
M-28/51 多組定量記憶介面
- Shot Volume: 0.5 - 500cc
- Tank Capacity: 60L
- Optional Feature:
S. D. V. R. A.
M-28/51 Programming Touch Pad



G-460

- 灌注量：10 - 1,000cc
- 料桶容量：120L
- 可附加功能為：S. D. V. R. A.
M-28/51 多組定量記憶介面
- Shot Volume: 10 - 1,000cc
- Tank Capacity: 120L
- Optional Feature:
S. D. V. R. A.
M-28/51 Programming Touch Pad



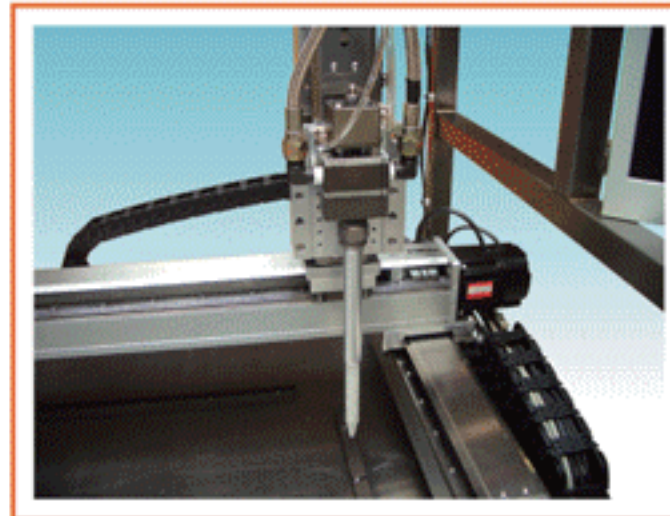
G-480

- 灌注量：60 - 1,000cc
- 料桶容量：220L
- 可附加功能為：
S. D. V. R. A. P. 可換色色膏控制
M-28/51 多組定量記憶介面
- Shot Volume: 60 - 1,000cc
- Tank Capacity: 220L
- Optional Feature:
S. D. V. R. A. P. Pigment variable
M-28/51 Programming Touch Pad



■ 自動化系列 Automations

落地型自動化手臂 3-axis Robot (Floor type)

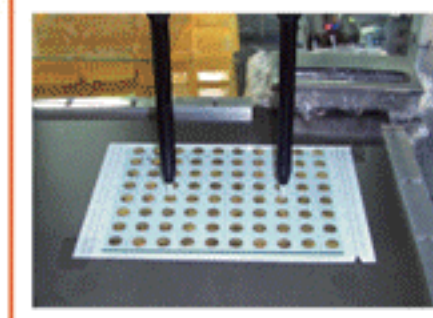


產品規格 Specifications

機 型 (Model)	WR-500	WR-400
工作範圍 (X/Y/Z mm)	500/500/50	400/400/50
驅動系統 (Motor)	X/Y/Z AC Servo motor	
傳動結構 (Driver)	高剛性滾珠螺桿 (Ball screw)	
位移速度 (Speed)	0 ~ 200 mm /s	
解析精度 (Resolution)	0.01mm	
重複精度 (Repeatability)	± 0.025mm	
運行路徑 (Route)	點、直線、弧、圓 (Dot, Line, Arc, Circle)	
控制系統 (Control Unit)	586 IPC, XP Professional SP2	
設定方式 (Teaching Method)	教導或資料輸入 (Teach & File input)	
程式輸入 (Program Input)	搖桿教導輸入、滑鼠及鍵盤輸入 (Joystick teaching, mouse & keyboard input)	
記 憶 (Memory)	8G CF card.	
資料保密 (Security)	USB電子安全鎖 (USB Electric Key)	
通 訊 (I/O)	16Port I/O	
資料輸入 (Data Input)	USBx4	
電 源 (Power)	50-60HZ AC220V 1500W	
機台尺寸 (Dimension)	W1200 x D1200 x H1750mm	
機台重量 (Weight)	250 KGS	220 KGS

■ 自動化系列 Automations

兩液型微量點膠機 Automatic Micro Dispenser



適用於:

商標、貼紙點膠, PCB塗膠, LED模組點膠, 變壓器灌膠以及其他小型電子零組件點膠。

Designed For: Label and sticker doming, PCB coating, LED encapsulation, transformer encapsulation and other electronic components potting application.

機台功能說明:

1. 雙液點膠機部分:

- 最小出膠量: 0.06g。
- 吐膠精度: ± 2%。
- 計量幫浦: 高精密齒輪幫浦或耐腐蝕螺旋幫浦。
- 出膠比例控制: 固定式混合比例或可調式電子齒輪比例控制。

2. 三軸自動手臂部份:

- 有效加工範圍: 標準型400*400*50mm 或 500*500*50mm。(亦提供客製化尺寸)
- 三軸手臂採用高剛性滾珠螺桿。
- 點膠路徑: 2D、3D、點、線、不規則畫弧、畫圓。
- 手臂位移速度: 0 ~ 200 mm /s。
- 解析精度: 0.01mm。
- 控制系統: 工業級586電腦, XP Professional SP2。
- 全機中文微軟XP專業版視窗介面。



Function Descriptions:

1. 2-component Dispenser:

- Minimum shot size: 0.06g.
- Dispensing accuracy: ± 2%.
- Metering: Precision gear pump or durable progressive cavity pump.
- Fixed or Variable mixing ratio.
- Static or Dynamic mixture.
- Applicable for 2 mixing head.

2. 3-axis XYZ Robot:

- Range: standard 400*400*50mm or 500*500*50mm. (customized size is available)
- 3 axis ball screw robot.
- Capable of dots, lines, and continuous dispensing paths in 2D and 3D motions.
- Moving speed: 0 ~ 200 mm /s
- Resolution: 0.01mm.
- Control system: 586 IPC, XP Professional SP2

電池盒點膠系統

Battery Cover Gluing System

適用於: 標準車用電池盒點膠接著。

Designed For: Automobile battery case bonding.



機台功能說明:

1. 自動進出料系統:

- 彈匣式電池蓋進料裝置---包含欠料偵測、自動上料定位、來料等待。
- 4分割旋轉台---支援自動上料、定位塗膠、點膠完成後出料。
- 可搭配末端輸送帶連結。

2. 雙液點膠機部分:

- 最小出膠量: 0.5g
- 吐膠精度: ± 1%
- 計量幫浦: 高精密齒輪幫浦或耐腐蝕螺旋幫浦。

3. 三軸自動手臂部份:

- 有效加工範圍: 標準型300*300*50mm。
- 三軸手臂採用高剛性滾珠螺桿。
- 點膠路徑: 2D、3D、點、線、不規則畫弧、畫圓等。
- 手臂位移速度: 0 ~ 200 mm /s
- 解析精度: 0.01mm。
- 控制系統: 工業級586電腦, XP Professional SP2。

Function Descriptions:

1. Loading Slot.

- Battery cover reservoir---includes empty warning, self loading & positioning.
- Index---includes Loading, gluing, unloading to next station, & standby.
- Support to conveyor integration.

2. 2-component Dispenser:

- Minimum shot size: 0.5g.
- Dispensing accuracy: ± 1%.
- Metering: Precision gear pump or durable progressive cavity pump.

3. 3-axis XYZ Robot:

- Range: standard 300*300*50mm.
- 3 axis ball screw robot.
- Capable of dots, lines, and continuous dispensing paths in 2D and 3D motions.
- Moving speed: 0 ~ 200 mm /s
- Resolution: 0.01mm.
- Control system: 586 IPC, XP Professional SP2

■ 自動化系列 Automations

自動劃圓旋轉台 Self Rotation Table.

適用於：馬達線圈封膠、LED車燈罩上膠、螺絲固定膠（缺氧膠）點膠、空氣過濾器塗膠接著，以及各種圓形點膠應用。

Designed For: Motor coil encapsulation, Vehicle LED cover gluing, Thread locking, Air filter bonding and all other circle items.

機台功能說明：

- 最大工作半徑---標準型100mm /單站。
(亦提供客製化尺寸)
- 減速馬達驅動---旋轉速度可任意調整。
- 一組Z軸氣缸式膠槍固定座---可依產品大小調整膠槍高度。
- 可依產品特性調整膠槍上膠角度。
- 可以產品尺寸搭配所需治具。
- 可支援雙槍同步劃圓點膠，或多站點膠。

Function Description:

- max workable dimension---100mm/per station.
(Customized size available.)
- Ac reducer motor driven---variable rotation speed.
- Z axis valve holder---adjustable against parts.
- Adjustable valve angle.
- Fixture replaceable for different application.
- Available for double station rotation or multiple steps rotation.



雙站旋轉台
Double Station Rotation Table.



8分割自動旋轉台
8 Step Rotary & Turning Table.

■ 真空灌注系列 Vacuum Dispensing System

隨著電子元件走向精密化，電子製造廠家的封膠灌注方式也漸漸從原有的常壓灌注型態走向真空灌注。

真空灌注的特點有：灌注產品不含氣泡，在高溫高壓的使用狀態下，亦可以維持良好的性能。尤其是變壓器等線圈類灌注，氣泡會因溫度壓力的改變而使產品產生爆裂或無法達到絕緣的效果。傳統的常壓灌注並無法將氣泡排除，使得產品的穩定性與不良率皆大大折扣。尤其當這類產品應用在與使用者人身安全相關的項目上，這類產品的安全性則應是製造者的首要考量。諸如沉水馬達、高壓線圈...等等。

因此，目前全球電子元器件製造廠家的關注焦點皆放在真空灌注封膠上。為了因應此趨勢，針對不同使用廠商的需求與灌注特性，華勝科技推出了一系列的真空灌注系統。包括了半自動真空灌注機、3軸全自動真空灌注機與配合流水線的多槍頭真空灌注系統。各機種皆數位電腦化控制，混合比例與灌注量皆可以達到 $\pm 1\%$ 以下的誤差值，以確保每一灌注點能有穩定的效能。

As electronic components getting precise each day, manufacturers have to evolve from traditional normal potting to vacuum dispense method.

Benefits of this process like: absence of air bubble in final products. Therefore, it will be higher performance even under high temperature and pressure. This is especially critical to coils of transformer or water pumps. Moreover, the production error can also be minimized at the same time.

As a result, more and more manufacturers are focusing on vacuum potting. To meet this requirement, Wason has designed a series of systems which are presents as followed. Each machine is digitally controlled by computer and the repeat tolerance for mixing ratio and shot size is less than $\pm 1\%$.



真空灌注系列 Vacuum Dispensing System

真空含浸壓力桶 Vacuum Impregnation Tank

適用於：電子線圈凡力水含浸及零組件油浸潤滑全製程PLC控制，
包含：桶蓋閉合→抽真空→注料→含浸→排料→洩壓→開啓桶蓋。

Designed For:

Coil, transformer varnish impregnation or encapsulation and components lubricator filling.
Automatic seal up→vacuum→impregnation→soaking→draining→pressure release→open.

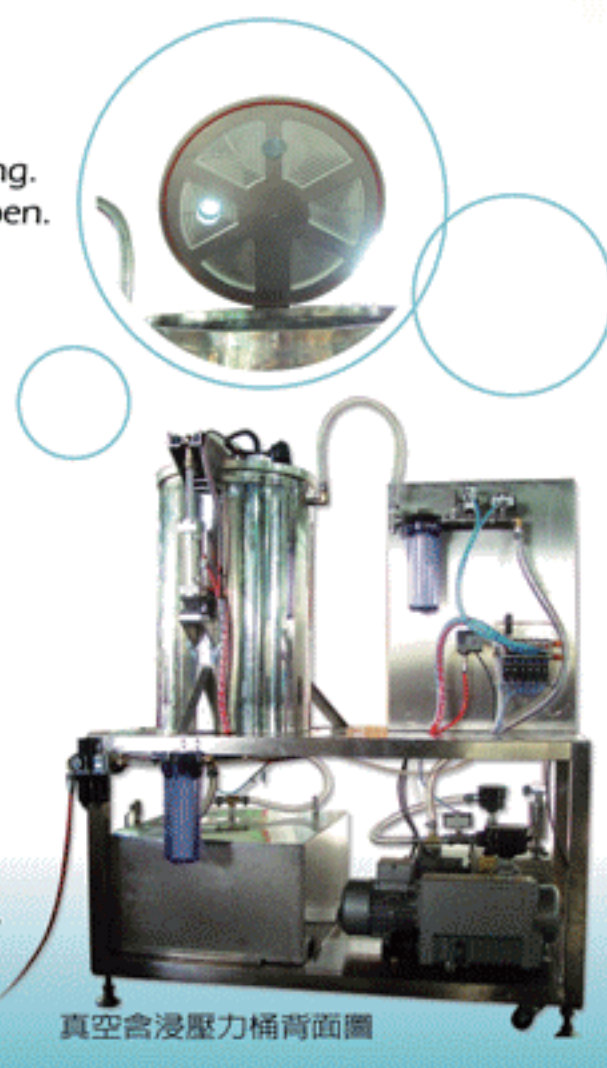


機台功能說明：

- 全機不鏽鋼箱體
- 鋁合金桶蓋與高強度強化玻璃視窗
- 自動桶蓋開啓與閉合
- 觸控式可編成操作介面
- 支援多樣化生產流程
- 採用3HP油浸式真空幫浦
- 幫浦最大真空壓力可達 1.0×10^{-3} torr
- 數位式真空計與壓力感應器

Feature:

- Stainless vacuum tank and aluminum lead with visible glass window.
- Automatic lead seal up / open.
- Programmable PLC touch screen interface.
- Support to multiple production process.
- 3HP oil flood rotary vacuum pump.
- Max pressure up to 1.0×10^{-3} torr.
- Digital vacuum sensor & gauge.



真空含浸壓力桶背面圖

真空灌注系列 Vacuum Dispensing System

三軸真空灌注機 Automatic Vacuum Dispenser

適用於：

電子點火線圈點膠，高壓線圈封裝，高頻變壓器灌膠，電源供應器 (power supply) 封裝，馬達線圈注膠。全製程真空灌注避免產品氣泡殘留。適用於多樣化中、小批量生產。

Designed For:

Coil, transformer encapsulation and other electronic components potting application. Full process vacuum (air free) encapsulation prevents air bubble trap. Suitable for small to medium scale and variety of products.

機台功能說明：

- 不鏽鋼真空箱與雙層強化玻璃真空門
- 自動真空門開啓及關閉
- 一台 XYZ 3 軸自動手臂 300x300x50mm 或 400x400x50mm
- 一組高效隔膜膠閥
- 可以做2D、3D、點、線、不規則畫弧、畫圓等

Feature:

- Stainless vacuum chamber and double tempered glass window.
- Automatic up / down window.
- Highly efficient 3-axis robot. (300x300x50mm or 400x400x50mm)
- Single precision auto valve.
- Capable of dots, lines, and continuous dispensing paths in 2D and 3D motion.
- 適用於3段式真空灌注
- IPC工業電腦，window XP中文作業系統
- 操縱杆控制/滑鼠教導位移定位
- 全製程由PLC電腦所控制
- Support to 3-circle vacuum dispensing process.
- IPC and window XP interface for robot control.
- Joystick / Mouse input supported.
- PLC computer monitored.



流水線多槍頭全自動真空灌注系統

Automatic multi-valve vacuum dispensing system



- 單軸汽缸往復式不鏽鋼真空罩及雙層強化玻璃
- 獨立四組或六組灌注槍頭及計量幫浦
- 4 個 (2 組) 原料壓力桶確保持續供料
- 2 組分離式真空幫浦 (針對料桶及真空罩)
- 50L 儲備壓力桶可縮短抽真空所需時間
- 適合應用於單一化且大量的真空灌注流程。
- 適用於3 段式真空灌注
- 全製程由PLC 電腦所控制
- One piston single-axis stainless steel vacuum chamber with double tempered glass.
- Independent 4 or 6 auto-valves & metering systems.
- 4 separate (2 pairs) material tanks are utilized to remove time consumption on degassing process without interruption.
- 2 separate set of German oil flooded rotary vane vacuum pumps and motors are applied for material tanks and vacuum chamber.
- 50L Spare Pressure Tank. (for degassing speed enhancement)
- Support to 3-circle vacuum dispensing process and controlled by PLC computer.
- Designed for repeatable and massive production.



單軸真空灌注系統

Single-axis vacuum dispensing system

- 單軸自動真空灌注機與2 段式步進旋轉台
- 搭配 G-360/380 點膠機
- 真空箱內有2 或4 組灌注頭
- 真空罩內可內建單軸自動化手臂
- 點膠機料桶預先脫泡
- 可應用於三段式真空灌注
- 全程由 PLC 電腦控制
- 適用於單樣化中、小批量生產
- Single-axis vacuum chamber (and 2-step rotation table.)
- Works with G-360/380 dispenser.
- 2 or 4 valves available in the vacuum chamber.
- Single axis robot compactable in the vacuum chamber.
- Material tank degassing.
- Suitable for 3-cycle vacuum dispensing.
- PLC computer monitored.
- Suit to small to medium and repeatable production.



真空系列 Vacuum Series

真空箱 Vacuum Chamber

內部不鏽鋼箱體
1HP油浸式真空幫浦
雙層8mm安全玻璃
0.5 μ - 10 μ 過濾器
排氣量每小時24m³/hr at 60hz
真空度可達2mbar/758mmHg

兩種尺寸可供選購，箱內尺寸 (WxDxH):
VF-4040: 400mm x 400mm x 400mm
VF-3030: 300mm x 300mm x 300mm

Interior stainless construction
8mm double tempered glass
0.5 μ - 10 μ Filter
Automatic safety switch
1HP oil flooded rotary vane vacuum pump and motor
Capacity 24 m³/hr (60Hz)
Ultimate vacuum (max.) 2 mbar / 758mmhg (abs.)

Two models are available: Interior Dimensions (W x D x H):
VF-3030: 300x300x300mm
VF-4040: 400x400x400mm



全自動真空攪拌機 Automatic Vacuum Mixer

- 全機不鏽鋼機身
- 不鏽鋼真空罩與高強度強化玻璃
- 3HP 德國油浸式真空幫浦
- 全製程PLC控制
- 自動真空脫泡自動混合攪拌
- Stainless steel construction.
- Stainless vacuum chamber and double tempered glass
- 3HP German oil flooded rotary vane vacuum pump.
- PLC computer controlled.
- Automatic vacuum degassing and mixing.



單液點膠機 Single Fluid Dispenser

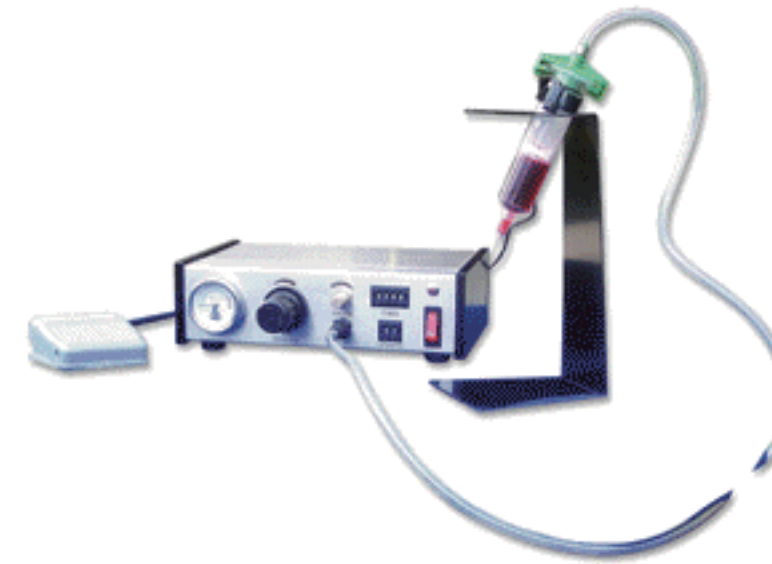
適用膠材:

環氧樹脂epoxy、矽膠silicone、PU膠、UV膠、
銀膠、潤滑油、助焊劑、錫膏、紅、黑膠、
螺絲固定膠、缺氧膠...等等。

Suitable for:

epoxy, silicone, PU, UV, lubricator,
Colloidal Silver, solder paste,
screw locking glue...etc.

SD-3000



SD-3100

● 數位液晶螢幕顯示 Digital LCD Display



SD-3120

- 數位液晶螢幕顯示 Digital LCD Display
- 雙組出膠氣嘴 Double Air Fitting Port



SD-5000

- 單液點膠機 Single Fluid Dispenser
- 1L不銹鋼料桶 1L Stainless Tank
- 單液膠閥 Dispensing Valve



產品規格 Technical Data

自動定時 (Timer):	點膠時間與間隔時間 (Shot & Interval Time) 0.001~9.999 sec; Interval 0.1~9.9sec
人工定時 (Operator Timed):	手動持續點膠、單點定量點膠、連續定量點膠 Manual, Automatic, Continue shot.
精確度 (Accuracy):	± 0.05%
內部電壓 (Internal Voltage):	24V DV
最小滴注量 (Minimum Shot Size):	0.005ml
輸入氣壓 (Air Input):	Max 7.5kgf/cm ² (bar)
輸出氣壓 (Air Output):	0.1~5.5kgf/cm ² (bar)
其他 (Others):	真空回吸、Output顯示、手動開關。 Vacuum suction, Output indicator, Hand switch.

■單液點膠機 Single Fluid Dispenser

桌上型自動化手臂 3-axis table (table type)



R-200C



R-300C

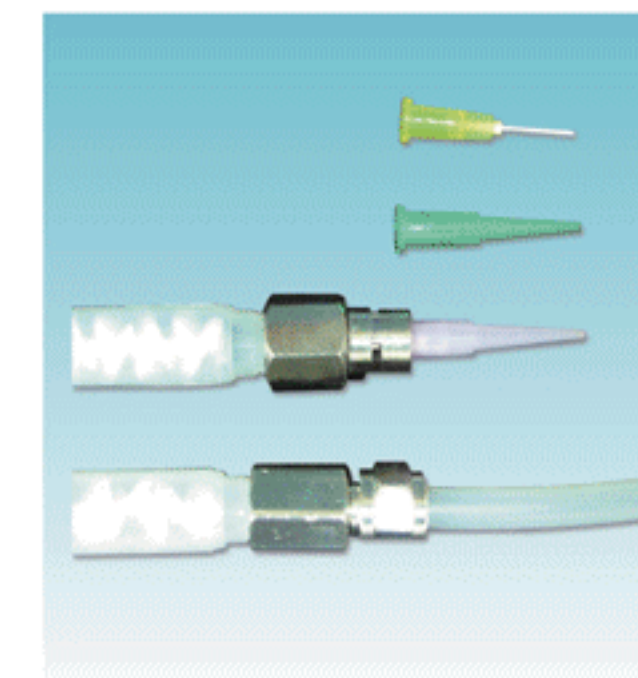
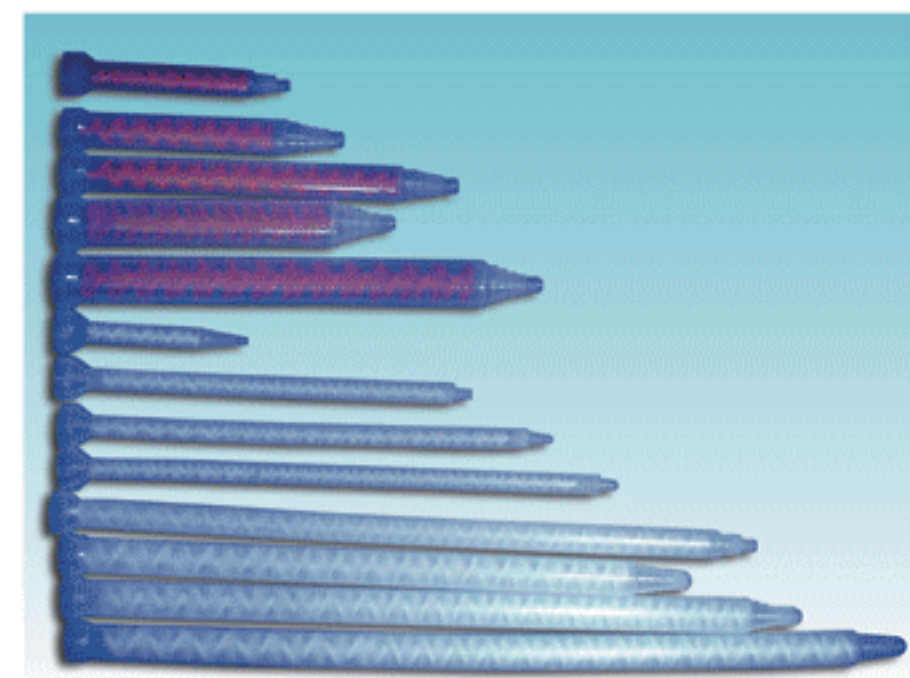


R-400C

產品規格 Specifications

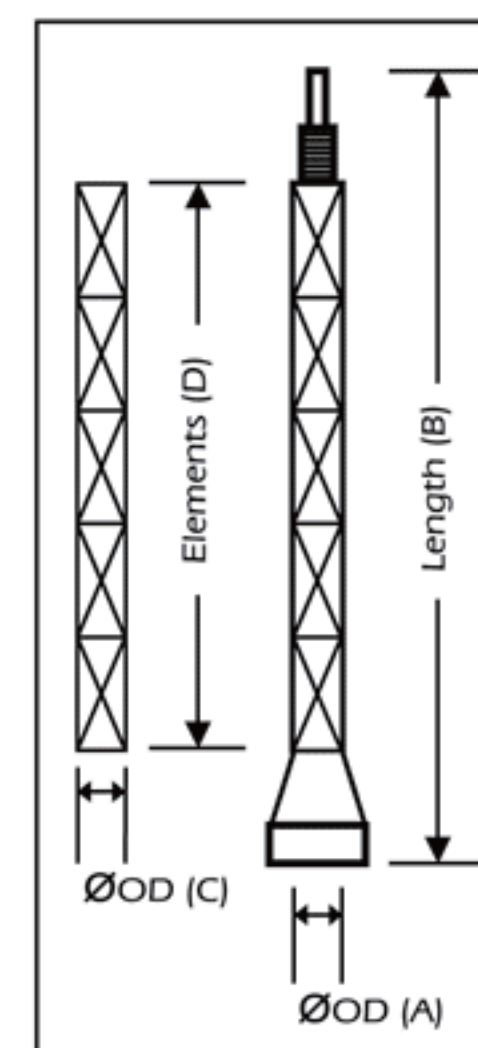
型 號 (Models)	R-200C	R-300C	R-400C
有效加工範圍 X/Y/Z (mm)	200 / 200 / 50	300 / 300 / 100	400 / 400 / 100
負 重 Worktable / Tool	5.0kg / 3.0kg	10.0kg / 5.0kg	10.0kg / 5.0kg
移動速度 X&Y/Z (mm/sec)	500 / 250	800 / 320	800 / 320
重複精度 (Repeatability)	+/-0.02mm/Axis		
解 析 度 (Resolution)	0.01 mm/Axis		
資料紀錄能力 (Memory capacity)	> 100 group 、 4000points/group		
資料儲存方式 (Memory storage)	CF card, Teach Pendant, PC Storage		
資料運算速度 (CPU)	32 Bit		
顯示方式 (Monitor)	Teach Pendant LCD, VGA port for optional monitor		
馬達系統 (Motor)	3-Phase	5-Phase	
運動模式 (Interpolation)	PTP & CP		
直線圓弧運動模式 (Route)	3 axes 3D route		
教導模式 (Teaching method)	Teaching Pendant or PC		
I/O 訊號 (I/O signal)	8 Inputs / 8 Outputs		
外部介面控制 (External control)	RS232		
輸入電源 (Power input)	AC100-230V 330W		
工作環境溫度 (Working temperature)	5-40℃		
工作環境溼度 (Relative humidity)	20-90% condensation		
機器尺寸 (Size) W x D x H (mm)	315 x 360 x 720	560 x 640 x 915	680 x 760 x 915
機器重量 (Weight)	20kg	40kg	46kg

■週邊耗材 Accessories



混合管可加針頭，或加延長管

單位 (unit:mm)



	規格 (Model)	管身 (Length)		攪拌葉片 (Mixer)	
		外徑 (A)	長度 (B)	Ø外徑 (C)	節數 (D)
動態 (Dynamic)	RS 9-08	12.65	69.5	9.25	8
	RS 9-16	12.65	102.5	9.25	16
	RS 9-26	12.65	145	9.25	26
	RS 12-16	16	126.5	12.6	16
	RS 12-26	16	178	12.6	26
動態 (Dynamic)	RM 12-16	16	126.5	12.6	16
	RM 12-26	16	178	12.6	26
	RM 17-16	21	150	17.7	16
	RM 17-26	21	216	17.7	26
靜態 (Static)	S6-8	9.45	87	6.25	8
	S6-24	9.45	184	6.25	24
	S6-30	9.45	186	6.25	30
	S6-36	9.45	222	6.25	36
	S6-42	9.45	252	6.25	42
	S9-24	12.45	230	9.25	24
	S9-30	12.45	238	9.25	30
	S9-36	12.45	280	9.25	36
	S9-42	12.45	320	9.25	42
	S12-24	16.55	280.0	13	24
	S12-30	16.55	285.0	13	30
	S12-36	16.55	340.0	13	36
	S12-42	16.55	390.0	13	42

週邊耗材 Accessories

針頭 / Needle Tips

UV 系列 / UV Series

外觀 App.				
編號 No.	EV723	EV725	EV730	EV732
顏色 Color	橘色 Orange	紅色 Red	淡紫色 Purple	黃色 Yellow
針長度 Length	7mm	7mm	7mm	7mm

TT 系列 / TT Series

					
TT14	TT16	TT18	TT20	TT22	TT24
橘色 Orange	灰色 Gray	綠色 Green	粉紅色 Pink	藍色 Blue	紅色 Red
33mm	33mm	33mm	33mm	33mm	33mm

SS系列 / SS Series---Stainless Steel

外觀 App.								
編號 No.	10G	11G	12G	13G	14G	15G	16G	17G
針長度 Length	25mm	25mm	25mm	25mm	25mm	25mm	25mm	25mm
內徑 I.D.	2.8mm	2.6mm	2.2mm	2mm	1.8mm	1.4mm	1.35mm	1.17mm

TS系列 / TT Series

外觀 App.												
編號 No.	TS16	TS17	TS18	TS19	TS20	TS21	TS22	TS23	TS24	TS25	TS26	TS27
顏色 Color	透明 Trans.	紫色 Purple	粉紅 Pink	淡黃 Yellow	亮黃 Yellow	綠色 Green	鐵灰 Gray	水藍 Blue	淺紅 L. Pink	橘色 Orange	淡橘 Orange	淺灰 Gray
針長度 Length	13mm	13mm	13mm	13mm	13mm	13mm	13mm	13mm	13mm	13mm	13mm	13mm

週邊耗材 Accessories

單液膠閥 / Dispensing Valves

外觀 App.		
編號 No.	P-10	P-20
長度 Length	90mm	100mm
入料孔徑 Inlet	一分 1/8"	二分 1/4"
孔徑 I.D.	6 mm	8 mm

料桶 / Material Tanks

外觀 App.		
編號 No.	0.5 L	1 L
容量 Capacity	0.5 L	1 L

連結氣管 / Air tube

			
編號 No. 300cc	30 cc	20 cc	10 cc

針筒 / Barrels

容量Size	材質Material	長度Length
卡式Cartridge	鋁合金Aluminum	230mm
300 cc	塑膠Plastic	200mm
30 cc	塑膠Plastic	117mm
20 cc	塑膠Plastic	90mm
10 cc	塑膠Plastic	70mm