

Precision Liquid Meter Mix and Dispense Systems

液態樹脂計量與混合系統·流體控制設備

www.gladwave.com.tw

先進的計量混合技術
Specialist in Dosing Systems





專業研發·設計·製造
液態樹脂設備
Professional manufacturer
metering mixing and
dispensing system

Gladwave Technology

成立於2008年

專業於以下列材料的客製化機械製作：

環氧樹脂·聚氨酯樹脂·矽膠·液態矽橡膠·壓克力膠·油脂·UV膠·聚硫膠·填縫膠

Established in 2008

Specializes in customized machinery produced in the following materials -

Epoxy resins . Polyurethane resin . Silicone . Liquid Silicone Rubber . Acrylic adhesives .
Grease . UV adhesives . Polysulfide sealant . Joint sealants

ABOUT US

欣橋科技成立於2008年

專業從事於各種液態/糊狀樹脂、油脂、高溫膠等精細材料作業的點膠機、灌膠機、真空注膠機、樹脂連續計量混合機等一系列的專用機械設備的研發與製造。

公司專業經理人在此領域歷經近30年的歐美國際公司經驗，提供給各種專案專業的規劃能力，工程師擁有10年以上豐富經驗，致力於此類的作業機械研發、製造與服務，公司充分結合歐、美、日等地的許多精密模組件，使得設備擁有穩定、精密、自動監控及新思維，以及享有價格優勢的特色。我們的產品線寬廣，由於採用各種欣橋科技的泵浦作為一切模組架構化的基本。公司的研發單位致力於提供方案解決的服務，為客戶量身定製出最貼切於作業特性的設備。

Gladwave Technology company established in 2008, Professional to engage in the industry a variety of metering mixing and dispensing system for both single and plural component reactive resin material.

Our company's professional manager has been in this field through trans-international group near 30 years experience.

Provide to you professional technical service, and our senior engineers owned more than 10 years of experience in this field.

We devote to such this kind machinery research and development, manufacturing and after service.

Our company is combine international market of precision component.

So that making the equipment has a stable, precise, automatic monitor and affordable price.

Our products are application widely. We use the characteristics of a variety pump technology as the basic of all modules.

Our R&D section is duty to project solution.

Tailor for the customer to customize the most appropriate to the operating characteristics of equipment.



WHO WE ARE.



WHAT WE DO.

| 點膠機 | 灌膠機 | 雙液點膠機 | 真空注膠機 | 兩液型定量點膠機 | AB膠混膠機 | UV膠機 | RTM注膠機 |
| LSR混合機 | 糊狀代木打膠機 | 發泡機 | 液態硅膠混合設備 | 液態矽膠混合設備 |

Single/multi-component metering mixing and dispensing system
metering mixing and dispensing machine • metering mixing dispensing •
Adhesive Machine • RTM machine • Vacuum potting machine • LSR Machine



專業技術 Professional Technology

單/多組份型樹脂計量與混合設備
 中/高黏度材料幫浦
 高黏度/高溫膠輸送幫浦
 低黏度材料精密計量設備
 真空脫泡
 糊狀代木樹脂塗佈機

Single/Multi-component metering mixing system
 Middle/High viscosity material drum pump
 Melting/High viscosity material transfer pump
 Low viscosity resin precision metering system
 Vacuum degassing system
 Modeling Paste Machine

精密組件 Experienced Application

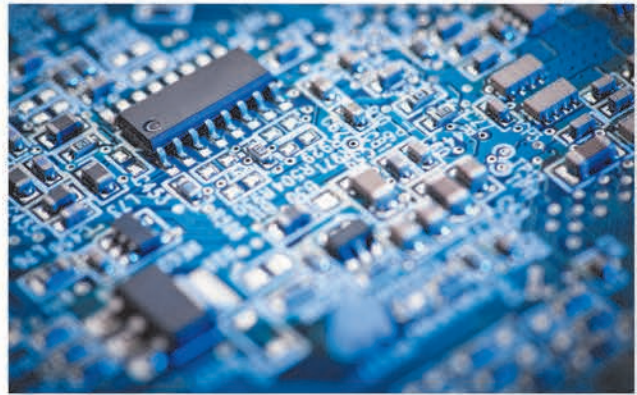
- 活塞泵浦 / Piston pump
- 齒輪泵浦 / Gear pump
- 螺旋泵浦 / Spiral pump
- 電子流量計 / El. Volume counter
- 電子壓力計 / El. Pressure gauge
- 耐高壓/耐研磨控制閥

Resistance: high pressure / abrasive control valves

- XYZ伺服軸 / XYZ servo axes

應用樹脂種類 METERING AND MIXING

- 矽膠 / Silicone
- 環氧樹脂 / Epoxy
- 聚脲酯樹脂 / Polyurethane resin and foam
- 聚硫膠 / Polysulphide
- 複合材料預浸樹脂材 / Composite prepreg resin material
- 加熱型高黏度膠材 / Heated high viscosity adhesive material
- 塗料 / Paint
- 漿料 / Paste
- 熱融膠 / Hot melt adhesive



應用產品 Application Field

- 太陽能板 / Solar panel
- 風電葉片 / Wind turbine blade
- 運動器材 / Sports equipment
- 小家電 / Household appliance
- 銘板 / Name plate PU-doming
- 醫療器材 / Medical equipment
- 按鍵 / Keypad
- 電子元件絕緣/導熱/導電 / Electronic component insulation thermal / conductivity
- 交通器材 / Vehicle Parts
- 電機元件 / Electrical Component

實際應用 Experienced Application

- 雙組份型樹脂自動計量混合與真空灌注 / Two component resin automatic metering, mixing and vacuum dispensing
- 熱熔型高黏度樹脂供給泵浦 / Hot applied high viscosity adhesive transfer pump
- 軟性積層貼合 / Thin film lamination adhesive automatic metering mixing system
- 各種LSR計量混合與分配 / Various LSR metering, mixing and dispensing
- 複合材料預浸樹脂自動混合供給 / Automatic meter mix of composite prepreg resin
- 濾清器各種膠的應用 / Filter products
- 三軸自動塗膠 / Three axis automatic dispensing system
- RTM / RTM(Resin Transfer Molding system)
- 精密注油 / Precision oiling system
- 各式各樣油脂計量輸出 / Various grease metering output



TP-200 高黏度圓桶泵浦
操作黏度可達 2,500,000mPas
TP-200 high viscosity drum pump.
(Viscosity up to 2,500,000mPas)



TP-20 高黏度圓桶泵浦
操作黏度可達 1,000,000mPas
TP-20 high viscosity drum pump.
(Viscosity up to 1,000,000mPas)



TP-50S

中至高黏度材料輸出泵浦
無脈衝輸出

PLC 快速設定與壓力監測
TP-50S medium to high viscosity
material transfer pump.

Pulse free smooth output

PLC control and pressure monitoring.



UV-PS5

專為中高黏度的UV膠定速輸出而設計
低磨擦力及低發熱

UV-PS5 specialized for mid-high viscosity
UV glue from the original packing drum.

Low shear and thermal energy.

SP2-MINI 微量計量混合分配機
(動態攪拌/清洗功能)

SP2-MINI micro-amount metering mixing and
dispensing machine (Static mixer / Dyanamic mixer).



RPA-112-CNC 計量混合分配機/
高黏度材料由原包裝桶自動輸出

RPA-112-CNC metering mixing and dispensing machine/
high viscosity material transfer from original packing drum.



FLSR-50 結合計量單元於一體，用於液態矽橡膠計量混合需求，壓盤選擇適用於20LT標準桶。

FLSR-50 combined metering unit in one for liquid silicone rubber meter/mix demands. Follower plate suit for 20LT standard drum.



ELSR-200系列採用電動直驅泵浦新技術，給予材料供應更平穩、更精確的要求，可變化比例，符合潔淨室的要求。

ELSR-200 series use electric servo drivers to individual pump.

It provides the mixed material supply more steady and accurate.

Two component mertering ratio can be available to change.



FLSR-50/FLSR-200專業開發給液態矽橡膠計量與混合需求壓盤為選擇適用於20LT標準桶，或200LT標準桶可系統化為可變化混合比例的機型。

FLSR-50 / FLSR-200 metering and mixing machine for liquid silicone rubber.

Basic model is fixed mixing ratio.

Follower plate optional for 20LT standard drum or 200LT drum.

Further system is variable mixing ratio.



FLSR-50-2 (1v2) 專業開發給液態矽橡膠計量與混合需求
可同時對應兩台射出機做使用，並透過準確的顏色混合裝置，
達到液態矽橡膠精確比例輸出與精準色彩顯現。

FLSR-50-2 specialized for liquid silicone rubber. It can metering mixing to two injection molding machine.
Through the precision color metering device to reach the liquid silicone rubber actually ratio output
and precise color display.



RPM-110 真空計量混合與分配系統專為
混合比例懸殊/黏度差異大的樹脂材料自動化作業而設計的。

RPM-110 two component reactive resin vacuum degassing
/metering/mixing/dispensing system.

Especially for mixing ratio & viscosity widely different material.

High accuracy system. Many intelligent parts inside.



RPA-113 二 / 三液型樹脂計量混合系統/加熱箱
管路加熱/混合比例監測

RPA-113 two / three component metering and mixing system.
Heated insulating panelling/heated hose/mixing ratio monitoring.



UVPA 設計給UV光學膠 (LOCA)
連續式計量分配作業/伺服馬達驅動

UVPA specialized for LOCA.

(Liquid Optical Clear Adhesive)

Continuous metering and dispensing system

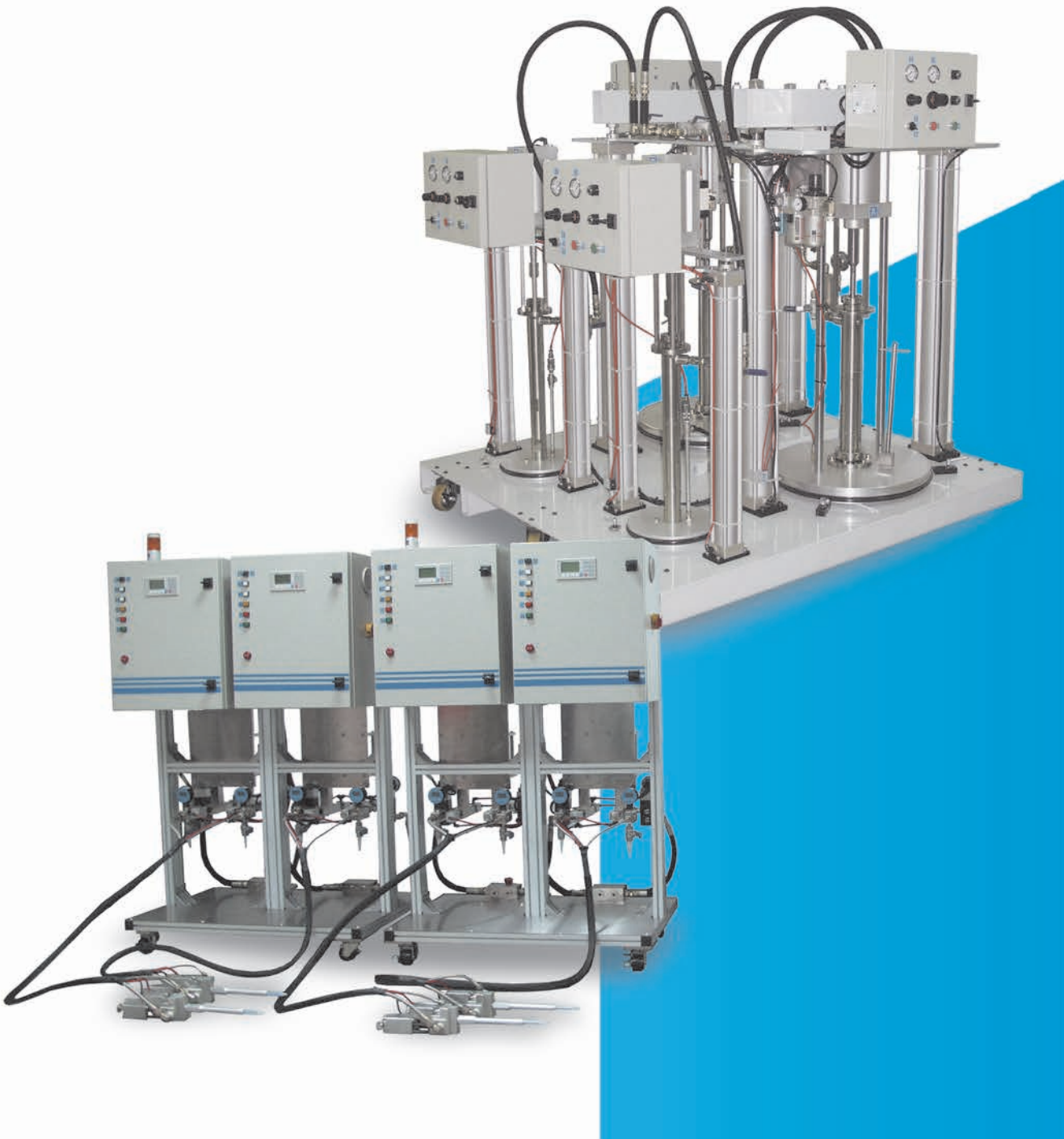
/ servo motor drive



此系統化設計提供給二液型高黏度樹脂計量混合與多站分配的
不停線生產之作業方式. 精細線條表現

Specialized for high Viscosity two component resin multi-station
metering mixing and dispensing system continuous operating

Precision dispensing line display.



RPA-311-V 專為二液型樹脂真空脫泡/計量混合與分配的系統化設備. 伺服馬達驅動耐研磨的活塞泵浦/XYZ 滑台的真空箱

RPA-311-V specialized for two component vacuum degassing/
metering mixing and dispensing system.

Servo motor drive piston pump (anti-abrasive grade)

Vacuum chamber with XYZ table.



RSG-112-F-XYZ 專為無接縫發泡條(FIPG)的自動塗佈而設計的系統化設備,可輕易的搭配在自動化輸送生產線上.

RSG-112-F-XYZ Specialized design for Foam In Place Gasket application.

Easy combined in automatic production line.



RSG-112 Special 二液型樹脂計量混合機（三組計量/混合/分配）

RSG-112 Special two component meter mix and dispense system.

For three workstation.



RSG-112 二液型樹脂計量混合機

RSG-112 two component meter mix and
dispense system.

- RTM system



RPA-211 二液型樹脂計量混合機

伺服馬達直接個別驅動活塞泵浦/電子壓力上下限監測器
面板快速更改設定混合比例、輸出速度/耐磨耗/耐高壓設計

RPA-211 two component metering

Independent servo motor cylinder drive piston pump / El. Pressure limited gauge

Touch screen or PLC operation panel set mixing ratio, output rate

high grade wearing-resistance / resistance high pressure design

Output rate/shot size precise stably



RPA-111 二液型樹脂計量混合機/封板造型/
管路加熱/泵浦輸出壓力監測/材料抽真空

RPA-111 Two-component resin metering & mixing system /
heating hose / pump output of pressure monitoring /
material vacuum degasing.



RPA-211-V 二液型樹脂計量混合機，伺服馬達驅動耐磨耗活塞泵浦
PLC設定與監測. 免溶劑清洗

RPA-211 two component metering mixing and dispensing machine.

Servo motor drive piston pump. . PLC control and monitoring.

Solvent free.



RPA -211 二液型樹脂計量混合機/高黏度材料泵浦

RPA-211 two component metering mixing and dispensing machine

high viscosity transfer pump.



MTP-200S 設計給無縫代木樹脂計量混合與塗佈的作業

MTP-200S specialized for two component seamless modeling paste.



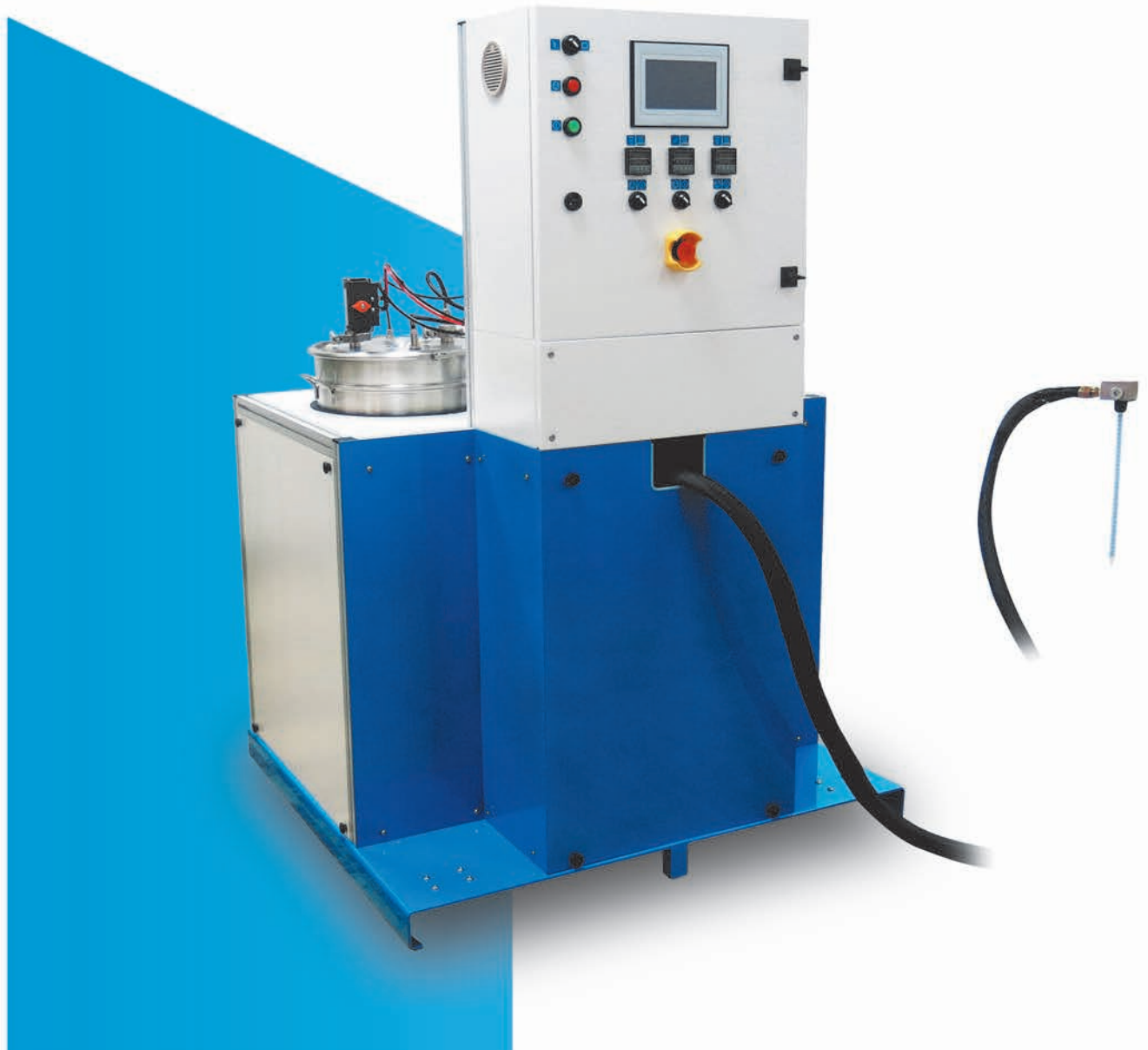
HTP-50 加熱型高黏度材料輸出泵浦/多段溫控/鑄狀加熱壓盤
HTP-50 hot applied high viscosity material transfer pump/
multi-point heating control/Finned melting plate.



RSG-LM無溶劑貼合混合機

專為無溶劑貼合雙組份材料而規劃設計製造無溶劑貼合混合機，
精密準確的計量混合連續式出料。

The RSG-LM is specially designed for the application of metering, mixing and dispensing solvent free adhesives.
The system is tailored for two component Polyurethane solvent free adhesives
with a wide range of viscosities and mixing ratios.



真空注型系列 – GLV系列

應用PLC模組化設定，可輕鬆調整每段參數，達到不同樹脂脫泡混料倒料時間。

Vacuum casting system combine with PLC program control.

To achieve two components small amount of vacuum mixing and potting required.



多液型材料計量混合專用設備
Specialized for multi-component of
metering/mixing/dispensing system.

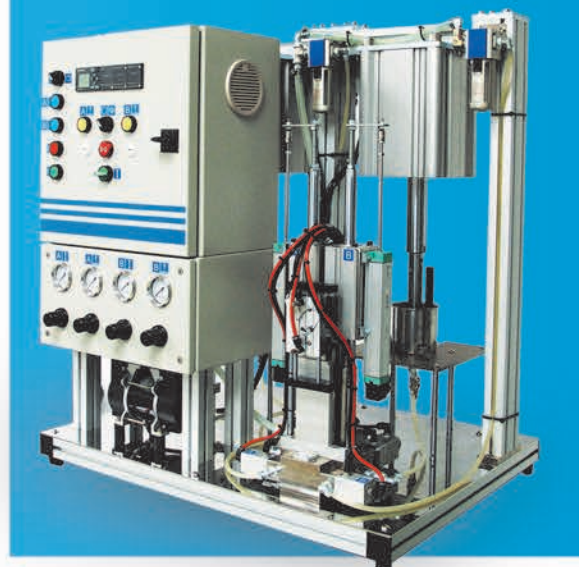


單液中低黏度材料，伺服計量泵浦系統
Single component of mid-low viscosity
material / servo metering pump system.



客製化膠管填充設備
Customized syringe filling system.

客製化液體材料填充密封站
Liquid filling and sealing station.





大流量靜動態攪拌閥
High volume
Static-Dynamic mix valve



計量閥
Metering valve



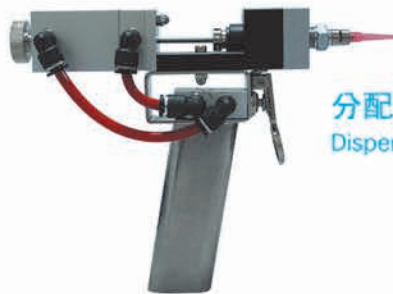
動態攪拌閥
Dynamic mix valve



色膏泵浦
Color pump



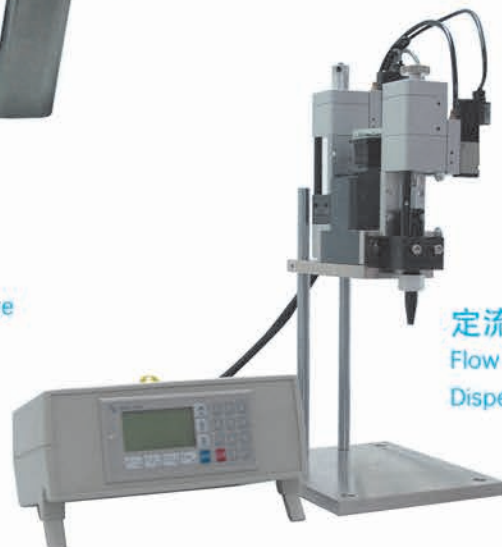
二液型混合分配閥
2-part mix dispense valve



分配閥與握把
Dispense valve & handle



二液型混合分配閥
2-part mixing dispensing valve



定流量分配器組成
Flow meter integrated
Dispenser



溶劑泵浦
Solvent pump



槍閥握把
Pneumatic handle



透明保壓桶
Transparent pressure vessel



簡易真空注膠單元
Vacuum dispensing unit



流體壓力調節器
Material pressure regulator

單液注膠閥與簡易控制器
Single component valve & controller





We provide
you the
ideal solution

歡迎各種有關專案合作開發
We welcome project cooperation



設備規劃流程 System layout processing



設備想法

在規劃計量混合設備時，需求者需提供，使用材料資訊與作業需求。

Provide the material specification and questionnaire for metering / mixing dispensing machine layout.



討論規劃

依據需求者提供資訊，與您討論我們設備對應方案與規劃。

Discussing the application equipment for the customer requirement accordingly.



詳細報價

根據實務經驗與理論基礎，製作詳細報價單。

According to practical experience and theoretical base to make details offer.



安排施工

收到訂單後，安排設備製作與完工前測試。

After received the order, arrange the machine building and test before finish.



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