



PLUNGER-PUMP

Intelligent Solutions for Adhesive Control



Success come from Details
Innovation improves the Future



Looking for Agents & Cooperations

Dear Friends,

D&H is a company who has its own core tech and provides professional liquid controlling solutions in the industry.

In 2006 we developed the patent –“double cylinder plunger pump”, the glue dispensing machine with such a pump type was launched into the market successfully. This patent design becomes the heart of a new generation of metering device. The new design leads the liquid controlling device into a direction of high filling, high precision, high viscosity, high crystallization, high output speed and production line.

In 2015 we developed the core patent –“Intelligent Gluing”, the first intelligent glue dispenser in the world was launched into the market. The new generation machine will achieve calculation, communication, remote-control and self-management; push forward the development of the intelligent equipment and intelligent factory.

With over 20 patents, our machines are widely applied in the industry like LED, lighting, automobile, the electronics, power supply, capacitor, transformer, circuit....

We are headed in Guangzhou China, built branches in Shenzhen, Beijing, Shanghai, Xiamen, Chongqing... We also cooperated with customers from over 30 countries such as Germany, USA, South Korea, Russia, India... We are becoming leading among our competitors in the industry.

We believe in “Success Comes from Details, Innovation Improves the Future”. We provide our customers the service support 24h x 7days, monthly training-up, software-upgrade, keeping improvement and making us perfect.

We are searching for the agents and cooperative partners from different countries, hoping, with you together, to provide the best adhesive controlling solutions for the customers in the world.

Thank you!



G.M. Jimmy

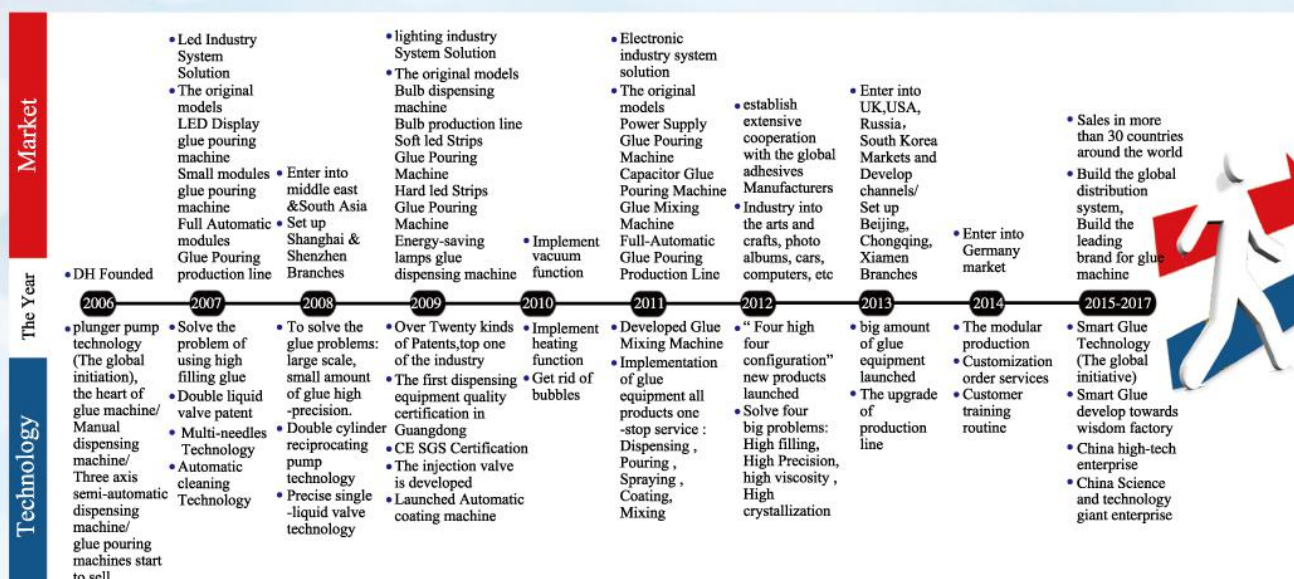
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Global agents



The Development Process



Patents & Certificates



Market Activities



America



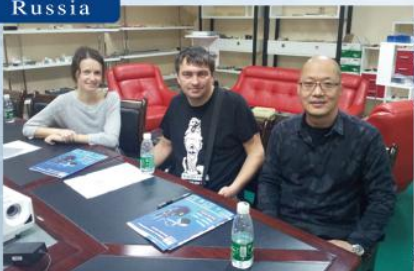
Germany



UK



Russia



Spain



Indonesia



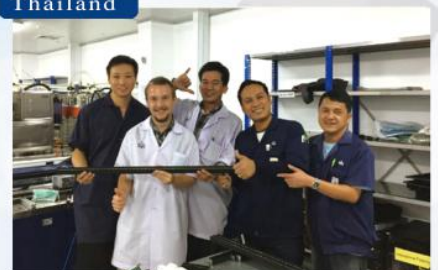
Romania



Turkey



Thailand



India



Czechia



Tunisia





Double-Cylinder Plunger Pump From D&H: The Heart Of the Liquid Controlling Devices. Core Patent From D&H, The Pioneer in the World

The metering mixing system is the technical heart of liquid controlling device, which is also the bottleneck limiting the improvement of the glue dispensing device. In 2006, D&H developed its core patented technology - Double-cylinder Plunger Pump, achieving a machine with the high precision, variable, continuous glue output and long life-span. The machinery from D&H changed the traditional disadvantages of manual gluing work: weigh by hand, manually stirring and cleaning; low speed reliability, waste, etc

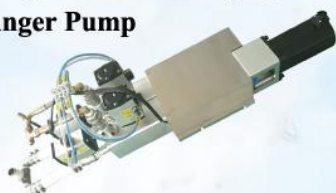
Comparison of Different Metering Pumps

Item Pump	Picture	Precision Instantaneous pours out precision Frequent start-stop precision	life span wear-resisting	Range	Application
Gear Pump		Leakage when pressure is big, Not suitable for large flowing, or frequent start and stop	The gear wear easily Unable to repair only replacement	Suitable for low viscosity, Packless fluid	Simple machines Constant flow ratio, Not suitable for color glue
Screw Pump		There are internal leakage Not suitable for small glue flow And frequent start-stop	The stator or liner Internal corrosion & wear easily, high precision Not easy to change	Suitable for the larger particles of solid-liquid mixed And the high viscosity fluid	Suitable for fluid transport Not suitable for high precision measurement
DH Duplex plunger pump Single cylinder reciprocating pump		suit for small glue flow & large amount glue flow and also can be start and stop frequently	Wear-resisting corrosion resistance	Suitable for high and low viscosity, large and small glue flow, High precision etc. Mixed fluid	widely

The Innovation of Core Tech is the Real Innovation.

Success comes from details, innovation improves the future. Both the patented plunger pump and precision dual AB valve solve the problems caused by high additives, high precision, high viscosity, high crystallization, large ratio and large glue output amount requirement. Our technical design promotes the glue controlling device into the development of “four-high”, “two-large” and “intelligence”

Plunger Pump



» Features:

high precision, ratio can be adjustable; continuous glue output; durable and anti-abrasive; long life-span; widely application; suitable for different liquids.

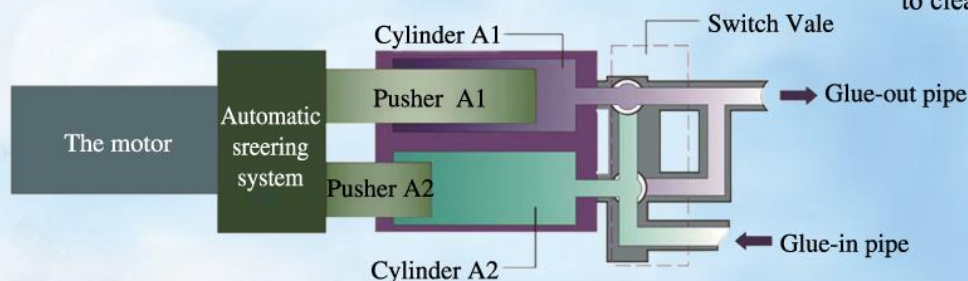
AB Glue Valve



» Features:

high precision; durable and anti-abrasive; multi-function; dynamic & static for option; easy to clean.

The Leading Tech Design: D&H Plunger Pump

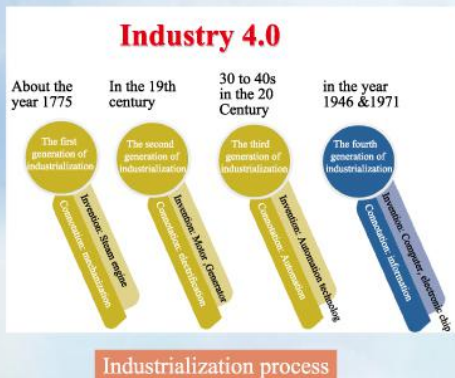


To Satisfy the Requirement on Liquid Metering & Mixing in Different Industries.

The application of liquid controlling device in different industries is very far from each other. D&H keeps it leading among the competitors due to its special technical design, which helps solve the problems as liquid types, viscosity, curing condition, metering, mixing, stirring, heating, cleaning, vacuum degassing etc.



The intergration of Industry 4.0 and industrialization & informatization



D&H intelligent glue control Global initiative Technology-Function implementation

Core patent "Intelligent Glue"the introduction of technology, which is whole new sensor of DH equipments, scientific and technological achievements such as artificial intelligence, Embedded industrial computer, the visual system, mobile Internet, big data processing ect Emerging scientific and technological achievements ,to achieve five functional modules: computation, communication, control,remote coordination, Auto nomous . Push the clients move forward to the personalized needs, Technologize differences, customized production, The digital workshop, so as to realize intelligent glue.

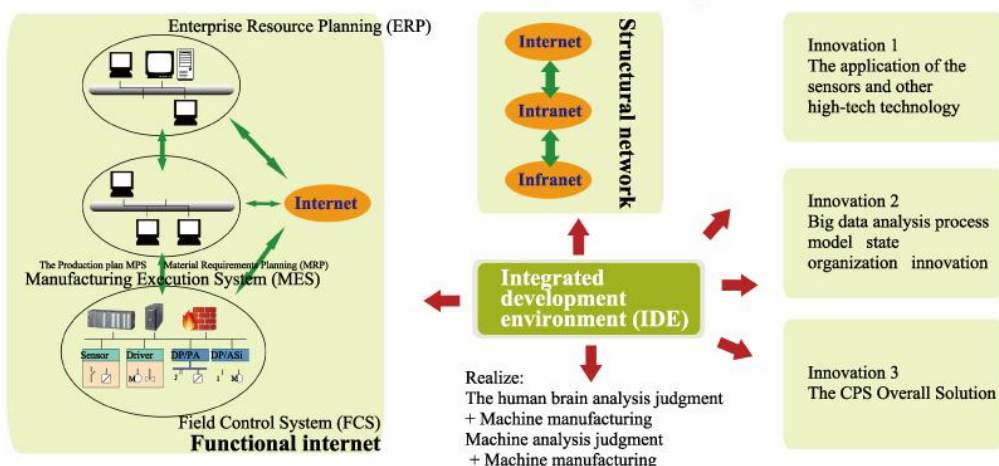
Intelligent Glue Potting Line



Global initiative DH " intelligent glue " Technology-Physical implementation

The core patent"Intelligent Glue"Technology, which is through the physical information system (CPS), The intelligent glue equipment with other intelligent devices, between people, between the program and program, between services and services closely interconnected; Horizontal, vertical, highly integrated between end to end。 Through the intelligent equipment reforming the process flow,production mode, product structure, realize the resources, information, equipment and people together, from intelligent glue forward to personality, custom made, the flexible wisdom factory.

Intelligent Factory



Fully Automatic Glue Dispenser for LED Module



Features: Small Size, easy to operate;

Application: LED module

Tech Specs:

Mode:	PGB-200
Three Axis Working Area:	480x480x80mm
AB Ratio:	1:1 – 10:1 adjustable
Mixing Method:	Static / Dynamic optional
Metering Pump:	Gear Pump
Movement Track:	Dot / Line / Arc / Circle
Output Speed:	5-66g/5s
Accuracy:	±1%
Tank Capacity:	Tank A 25L, Tank B 10L
Dimension:	L1000 x W800 x H1500mm
Weight:	180kg
Optional Fuction	Vacuum, Heat, Programmable Running Path

Multi-function Fully Automatic Glue Dispenser



Features: Universally Used, Multi-purpose; More Optional Functions Available

Suitable Material: Silicone, Epoxy, PU and other two-component.

Application: LED Display, Rigid Bar Light, Module, LED Driver, Power Supply, etc.

Tech Specs:

Mode:	PGB-700
Three Axis Working Area:	700x700x80mm
AB Ratio:	1:1 – 10:1 adjustable
Mixing Method:	Static / Dynamic optional
Metering Pump:	Gear Pump or D&H Patented Plunger Pump
Movement Track:	Dot / Line / Arc / Circle
Output Speed:	5-66g/5s
Accuracy:	±1%
Tank Capacity:	Tank A 25L, Tank B 10L
Dimension:	L1500 x W1200 x H1500mm
Weight:	260kg
Optional Function:	Vacuum, Heat, Programmable Running Path; Output Speed can be changeable.

Fully Automatic Glue Dispenser for Bar Light



Features: 1. Can do Frequent Up-and-Down; Precise Metering & Mixing;

2. Suitable for Long Product, Wide Application

Suitable Material: Silicone, Epoxy, PU and other two-component glue.

Applications: LED Module, Rigid Bar Light, Washer, LED Display.

Tech Specs:

Mode:	PGB-1500
Three Axis Working Area:	1500x480x80mm
AB Ratio:	1:1 – 10:1 adjustable
Mixing Method:	Static / Dynamic optional
Metering Pump:	Gear Pump or D&H Patented Plunger Pump
Movement Track:	Dot / Line / Arc / Circle
Output Speed:	5-66g/5s
Accuracy:	±1%
Tank Capacity:	Tank A 25L, Tank B 10L
Dimension:	L1900 x W1400 x H1500mm
Weight:	320kg
Optional Function:	Vacuum, Heat, Programmable Running Path

Precision Fully Automatic Glue Dispenser with Linear Module



Features:

1. High speed , good performance and high stability.
2. Suitable for different glue amount requirement .
3. Precision pump controls glue metering ;
self-cleaning , no drop , no drawing .

Tech Specs:

Mode:	PGB-2000m
Three Axis Working Area:	2000x480x80mm
AB Ratio:	1:1 -10:1 adjustable
Stirring Method:	Static / Dynamic optional
Metering Pump:	Gear pump or D&H Patent Plunger Pump
Movement Track:	Dot/Line/Arc/ Circle / Programmable
Output Speed:	5-66g/5s
Accuracy:	±1%
Tank Capacity:	10L, 25L, 40L 60L optional
Optional Function:	Vacuum, Heat, Stirring motor, Self-cleaning, motion control board and so on
Dimension	L2400 x W1100 x 1600mm

Fully Automatic Glue Dispenser for Flexible Strips



Features: Automatic Self-refilling; Vacuum to Degas the Glue

Suitable Material: Clear Epoxy, Silicone and PU

Applications: Different Types of Flexible LED Strip

Tech Specs:

Mode:	PG-5100
Three Axis Working Area:	480x5000x30mm
AB Ratio:	1:1-10:1 adjustable
Mixing Method:	Static/Dynamic optional
Metering Pump:	Gear pump
Movement Track:	Dot/Line/Array
Output Speed:	5-66g/5s
Accuracy:	±1%
Tank Capacity:	10L, 25L optional
Optional Function:	Vacuum, Heat, Self-cleaning
Dimesion:	L6000 x W1150 x H2050mm
New Dispensing Machine for flexible strip 7m-10m, available.	

Fully Automatic Glue Dispensing Machine



Features:

1. Communication interface is available to work with the existing assembly line in customer's factory.
2. High precision metering and mixing of glue A & B; good stability of PLC controlling system.
3. Self-cleaning, heat, vacuum functions are optional.
4. Customized configuration is available.

Tech Specs:

Mode:	PGB-650B
Three Axis Working Area:	550x650x80mm
AB Ratio:	1:1-10:1 adjustable
Mixing Method:	Static / Dynamic optional
Metering Pump:	Gear pump or D&H Patent Plunger Pump
Movement Track:	Dot/Line/Arc/ Circle / Programmable
Output Speed:	5-66g/5s
Accuracy:	±1%
Tank Capacity:	10L, 25L, 40L optional
Optional Function:	Vacuum, Heat, Stirring motor, Self-cleaning, motion control board and so on
Dimesion:	L2100 x W1300 x 1500mm

Semi Automatic Glue Dispenser



Features:

1. D&H patented plunger pump for precise metering and mixing;
2. Hand held dispense valve with switch to control glue on / off.
3. Special pulley device is installed on the valve, working area is flexible.

Tech Specs:

Mode:	PJP-1200
Three Axis Working Area:	Controlled by manual
AB Ratio:	1:1 -10:1 adjustable
Mixing Method:	Static / Dynamic optional
Metering Pump:	Gear pump / D&H Patent Plunger Pump
Movement Track:	Manual
Output Speed:	2-125g/5s
Accuracy:	±1%
Tank Capacity:	10L, 25L, 40L, 60L optional
Dimension:	L1640 x W750 x H1900mm
Optional Function:	Vacuum, Heat, Self-cleaning

Semi Automatic Glue Dispenser



Features:

1. D&H patented plunger pump for precise metering and mixing;
2. Foot switch is available to control glue on / off by operator.
3. Suitable for two component glue 1:1 fixed, or 2:1-10:1 adjustable.

Tech Specs:

Mode:	PJP-1500
Three Axis Working Area:	Controlled by manual
AB Ratio:	1:1-10:1 adjustable
Mixing Method:	Static / Dynamic optional
Metering Pump:	Gear pump / D&H Patent Plunger Pump
Movement Track:	Manual
Output Speed:	2-125g/5s
Accuracy:	±1%
Tank Capacity:	10L, 25L, 40L, 60L optional
Dimension:	L1500 x W1000 x H1600mm
Optional Function:	Vacuum, Heat, Self-cleaning

Glue Dispenser for LED Bulb



QPD-300

QPD-600

- Features:
1. Can make a circle or arcs around the periphery of the LED Bulb.
 2. Three or six plates matches well with workers and improve speed.
 3. High precision, dispense glue evenly, no drop no drawing.

Suitable Material: One-component silicone 310ml or 2600ml

Applications: different types of LED Bulbs

Tech Specs:

Model:	QPD-300/600
Driving Method:	Precision stepper motor
Max Rotating speed:	300 degree/s
Repeatability Accuracy:	±0.2mm
Input Air Pressure:	0.4-0.5Mpa
Power:	AC220V, 50HZ, 150W
Dimension:	L540 x W420 x H680mm
Tank Capacity:	300ml / 2600ml optional
Weight:	30kg

Glue dispenser with 3 or 6

Glue Dispenser for T8 Tube Light



Features: 1. High Speed, high precision, high quality stability

2. Universally used, suitable for different tube lights

3. Precision valve controls glue output amount, clean, no drawing, not drop

Suitable Material: One-component Silicone

Applications: T8 Tube Light, 600/900/1200/1500mm

Tech Specs:

Mode:	QGB-3500
Working Area:	1200mm or customized
Speed:	300mm/s, adjustable
Glue Control:	Pneumatic
Metering System:	PLC+Touch Screen
Movement Track:	Line
Glue Output Speed:	5-10g/s
Nozzles Quantity:	5-8 heads, or customized
Tank Capacity:	2.6L
Tank Quantity:	6 pcs
Dimension:	L3500 x W1100 x H2100mm

Semi Automatic Glue Dispenser



Features:

1. D&H patented plunger pump for precise metering and mixing;
2. Hand held dispense valve with switch to control glue on / off.
3. Special pulley device is installed on the valve, working area is flexible.

Tech Specs:

Mode:	PJJ-1200
Three Axis Working Area:	Controlled by manual
AB Ratio:	1:1-10:1 adjustable
Mixing Method:	Static / Dynamic optional
Metering Pump:	Gear pump / D&H Patent Plunger Pump
Movement Track:	Manual
Output Speed:	2-125g/5s
Accuracy:	±1%
Tank Capacity:	10L, 25L, 40L, 60L optional
Dimension:	L1640 x W750 x H1900mm
Optional Function:	Vacuum, Heat, Self-cleaning

Semi Automatic Glue Dispenser



Features:

1. D&H patented plunger pump for precise metering and mixing;
2. Foot switch is available to control glue on / off by operator.
3. Suitable for two component glue 1:1 fixed, or 2:1-10:1 adjustable.

Tech Specs:

Mode:	PJJ-1500
Three Axis Working Area:	Controlled by manual
AB Ratio:	1:1 - 10:1 adjustable
Mixing Method:	Static / Dynamic optional
Metering Pump:	Gear pump / D&H Patent Plunger Pump
Movement Track:	Manual
Output Speed:	2-125g/5s
Accuracy:	±1%
Tank Capacity:	10L, 25L, 40L, 60L optional
Dimension:	L1500 x W1000 x H1600mm
Optional Function:	Vacuum, Heat, Self-cleaning

Multi-purpose Fully Automatic Glue Dispenser



Features: Universally Used, Multi-purpose; More Optional Functions Available

Suitable Material: Silicone, Epoxy, PU and other two-component glue

Application: Capacitor, Power Supply, Electrical Components, Sensor, etc.

Tech Specs:

Mode:	PGB-700
Three-Axis Working Area:	700x700x80mm
AB Ratio:	1:1 - 10:1 adjustable
Mixing Method:	Static / Dynamic optional
Metering Pump:	Gear Pump or D&H Patented Plunger Pump
Movement Track:	Dot / Line / Arc / Circle
Output Speed:	5-66g/5s
Accuracy:	±1%
Tank Capacity:	Tank A 25L, Tank B 10L
Dimension:	L1500 x W1200 x H1500mm
Weight:	260kg
Optional Function:	Vacuum, Heat, Programmable Running Path; Output Speed can be changeable

Fully Automatic Glue Dispensing Machine



- Features:**
1. Communication interface is available to work with the existing assembly line in customer's factory.
 2. High precision metering and mixing of glue A & B; good stability of PLC controlling system.
 3. Self-cleaning, heat, vacuum functions are optional.
 4. Customized configuration is available.

Tech Specs:

Mode:	PGB-650B
Three Axis Working Area:	550x650x80mm
AB Ratio:	1:1- 10:1 adjustable
Mixing Method:	Static / Dynamic optional
Metering Pump:	Gear pump or D&H Patent Plunger Pump
Movement Track:	Dot/Line/Arc/ Circle / Programmable
Output Speed:	5-66g/5s
Accuracy:	±1%
Tank Capacity:	10L, 25L, 40L optional
Optional Function:	Vacuum, Heat, Stirring motor, Self-cleaning, motion control board and so on
Dimension:	L2100 x W1300 x H1500mm

Vacuum Glue Dispensing Machine



Features:

1. Designed for glue dispensing under vacuum condition;
2. Pressure in the vacuum chamber can be adjustable from 100pa to 100Mpa.
3. Thicken aluminum vacuum chamber, minimize the deformation;

Tech Specs:

Model:	ZK450
Three Axis Working Area:	450x450x70mm
AB Ratio:	1:1-10:1 adjustable
Mixing Method:	Static / Dynamic optional
Metering Pump:	Gear pump or D&H Patent Plunger Pump
Movement Track:	Dot/Line/Arc/ Circle / Programmable
Output Speed:	5-66g/5s
Accuracy:	±1%
Tank Capacity:	10L, 25L, 40L optional
Vacuum Degree (Pa):	100
Vacuum Chamber Dimension:	L1000 x W820 x H1500mm rough

Fully Automatic Glue Dispensing Line



Features: Unmanned Operating Production Line, can be matched together with vacuum, heat and other production process

Suitable Material: Epoxy, Silicone, PU etc.

Applications: different industries, customized based on requirements.

Tech Specs:

Mode:	QPG-400
Three-Axis Working Area:	400x400x80mm, or customized
AB Ratio:	1:1 - 10:1 adjustable
Mixing Method:	Static / Dynamic optional
Metering Pump:	Gear Pump or D&H Patented Plunger Pump
Movement Track:	Dot / Line / Arc / Circle
Output Speed:	10-66g/5s
Accuracy:	±1%
Tank Capacity:	Tank A 25L, Tank B 25L
Dimension:	L10000 x W1100 x H1500mm, or customized
Weight:	1000kg

Fully Automatic Glue Dispenser for One Component Glue



Features:

1. Designed for one-component glue application;
2. Running path can be programmable for dot, line, arc, circle.
3. Container 300ml & 2600ml optional.

Tech Specs:

Model:	SZD-700
Three Axis Working Area:	700x700x80mm
AB Ratio:	One component glue only
Metering Pump:	Pneumatic
Movement Track:	Dot / line / arc / circle; programmable
Output Speed:	5-66g/5s
Accuracy:	±1%
Tank Capacity:	300ml / 2600ml optional
Optional Function:	Import CAD graphics optional
Dimension:	L1300 x W1100 x H1500mm

Fully Automatic Glue Dispenser for One Component Glue



Features:

1. Designed for one-component glue application;
2. Running path can be programmable for dot, line, arc, circle.
3. Container 300ml & 2600ml optional.

Tech Specs:

Model:	SZD-1200
Three Axis Working Area:	1200x1200x80mm
AB Ratio:	One component glue only
Metering Pump:	Pneumatic
Movement Track:	Dot / line / arc / circle; programmable
Output Speed:	5-66g/5s
Accuracy:	±1%
Tank Capacity:	300ml / 2600ml optional
Optional Function:	Import CAD graphics optional
Dimension:	L1960 x W1550 x H1600mm

Fully Automatic Glue Dispenser for One Component Glue



Features:

1. Designed for one-component glue application;
2. Running path can be programmable for dot, line, arc, circle.
3. Container 300ml & 2600ml optional.

Tech Specs:

Model:	SZD-1500
Three Axis Working Area:	1500x480x80mm
AB Ratio:	One component glue only
Metering Pump:	Pneumatic
Movement Track:	Dot / line / arc / circle; programmable
Output Speed:	5-66g/5s
Accuracy:	±1%
Tank Capacity:	300ml / 2600ml optional
Optional Function:	Import CAD graphics optional
Dimension:	L2000 x W1100 x H1500mm

SD-200 Manual Glue Dispenser



- Features:** 1. LCD Display
2. Manual / automatic / Cycle mode, available
3. Time memory function

Tech Specs:

Model NO.	SD-200	Items	Three-Axis Glue Dispenser
Time Display	LCD	Model	SZD-300
Pressure Display	Pressure Gage	Three-Axis Working Area (mm)	300x300x100
Air Output	Button / Knob	Display	LCD
Air Draw-back	Precision Valve	Repeatability	+/-0.02mm
Time Adjustment	Keys / Button	Operate Mode	Button or hand terminal
Mode	Manual / Automatic / Cycle Mode	Movement Track	Dot, line, arc, circle
Accuracy	+/-0.001ml	Movement Control (optional)	Stepping Motor / Belt; Servo Motor / Screw Rod
Frequency	≥800 times / min	Nozzle	1-6 heads optional
Power	AC220V, 50HZ	Movement System	Cantilever Type
Air Source	0.4-0.8MPa		working area 400*400mm 600*600mm, available
Optional	Manual / foot switch, barrel / needles		

SZD-300 Three-Axis Glue Dispenser



High Precision Glue Dispenser



Features: Installed with D&H High Precision Single-Cylinder Plunger Pump, specially designed for very small amount glue output, low-middle viscosity & low percentage additive material; with the features of high precision.

Tech Specs:

Mode:	TG-50
Metering Pump:	High Precision Single-Cylinder Plunger Pump
Control System:	PLC + HMI
AB Ratio:	1:1 – 10:1 adjustable
Output Speed:	1-15g/5s
Mixing Method:	Static Mixer
Repeatability:	+/-0.015g
Minimum Output:	0.2g each time
Tank Capacity:	Tank A 25L, Tank B 10L
Suitable Material:	Low – Middle Viscosity
Additives:	Low Percentage Additives
Moving Bench:	200x200mm to 1200x1200mm optional

Fully Automatic Glue Dispenser for Cards, Stickers, Crafts



Features: Small Size, Easy & Practical for Use

Applications: Dispense Clear Glue on Cards, Stickers, Crafts, and Key Chain etc.

Tech Specs:

Mode:	PGB-200
Three-Axis Working Area:	480x480x80mm
AB Ratio:	1:1 – 10:1 adjustable
Mixing Method:	Static / Dynamic optional
Metering Pump:	Gear Pump
Movement Track:	Dot / Line / Arc / Circle
Output Speed:	5-66g/5s
Accuracy:	±1%
Tank Capacity:	Tank A 25L, Tank B 10L
Dimension:	L1000 x W800 x H1500mm
Weight:	180kg
Optional Function:	Vacuum, Heat, Programmable Running Path

Fully Automatic Glue Dispenser for Photo Frames



Features: Big working area, widely applied for different products, more functions are optional.

Suitable Material: Clear Glue, Silicone, Epoxy, PU. Etc.

Applications: Photo frames and other products

Tech Specs:

Mode:	PGB-1200
Three-Axis Working Area:	1200x1200x80mm
AB Ratio:	1:1 – 10:1 adjustable
Mixing Method:	Static / Dynamic optional
Metering Pump:	Gear Pump or D&H Patented Plunger Pump
Movement Track:	Dot / Line / Arc / Circle
Output Speed:	5-66g/5s
Accuracy:	±1%
Tank Capacity:	Tank A 25L, Tank B 10L
Dimension:	L1960 x W1550 x H1600mm
Weight:	260kg
Optional Function:	Vacuum, Heat, Programmable Running Path.

Multi-purpose Fully Automatic Glue Dispenser



Features: Universally Used, Multi-purpose; More Optional Functions Available

Suitable Material: Silicone, Epoxy, PU and other two-component glue.

Application: Capacitor, Power Supply, Electrical Components, Sensor, etc.

Tech Specs:

Mode:	PGB-700
Three-Axis Working Area:	700x700x80mm
AB Ratio:	1:1 – 10:1 adjustable
Mixing Method:	Static / Dynamic optional
Metering Pump:	Gear Pump or D&H Patented Plunger Pump
Movement Track:	Dot / Line / Arc / Circle
Output Speed:	5-66g/5s
Accuracy:	±1%
Tank Capacity:	Tank A 25L, Tank B 10L
Dimension:	L1500 x W1200 x H1500mm
Weight:	260kg
Optional Function:	Vacuum, Heat, Programmable Running Path; Output Speed can be changeable.

Fully Automatic Glue Dispenser for Bar Light



Features: 1. Can do Frequent Up-and-Down; Precise Metering & Mixing;

2. Suitable for Long Product, Wide Application

Suitable Material: Silicone, Epoxy, PU and other two-component glue.

Applications: LED Module, Rigid Bar Light, Washer, LED Display.

Tech Specs:

Mode:	PGB-1500
Three Axis Working Area:	1500 x 480 x 80mm
AB Ratio:	1:1 – 10:1 adjustable
Mixing Method:	Static / Dynamic optional
Metering Pump:	Gear Pump or D&H Patented Plunger Pump
Movement Track:	Dot / Line / Arc / Circle
Output Speed:	5-66g/5s
Accuracy:	±1%
Tank Capacity:	Tank A 25L, Tank B 10L
Dimension:	L1900 x W1400 X H1500mm
Weight:	320kg
Optional Function:	Vacuum, Heat, Programmable Running Path

Customer's Products: LED Display, Module, SMD Module

» Machine Recommended

Fully Automatic Glue Dispenser for LED Module (Regular Configuration)

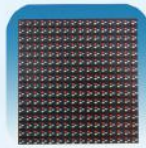
1. Smart size, complete function, 1-4 heads nozzle, static mixing;
2. Touch screen control system, easy to operate; arc function is optional;
3. Flow meter is installed to monitor glue B;
4. Professional fixture is provided for different products.

Fully Automatic Glue Dispenser for LED Module (Great Glue Output)

1. Great speed double-cylinder plunger pump, the speed is twice as the regular one;
2. Pump is anti-abrasive; multi-function AB valve, output speed can be adjustable;
3. Precision 4-8 heads nozzle, space can be adjustable;
4. Static or dynamic mixing, self-cleaning function, easy to maintain.

Fully Automatic Glue Dispensing Line for LED Module

1. Communication interface is available to work with the existing assembly line in customer's factory;
2. High precision metering and mixing of glue A&B; good stability of PLC controlling system;
3. Self-cleaning, heat, vacuum functions are optional;
4. Customized configuration is available.



【Fully Automatic Glue Dispenser for LED Module (Great Glue Output)】



【Fully Automatic Glue Dispenser for LED Module (Regular Configuration)】



【PGB-650B Features & Advantages】



Customers Application

VIN was one of the early starters in LED Technology in India. Founded in 2005, it was probably the first company in India to introduce LED Lighting to India. Over the years, VIN has improved its products and services to suit Indian conditions and meet customer expectations. With its experience over the past many years, VIN today has LED Lighting solutions for an entire range of functional lighting applications.

Sample Customers

FIEM Industries India
PSL & FIBERLI Turkey

Customer's Products: Straight Pin Module, digital tube, display.

The Requirement On The Technical Process Of LED Display

1. The potting material includes high percentage of additives; big ratio from 1:1 to 10:1;
2. High precision on the metering of AB glue; can't dry too fast or slow or non-dry;
3. High precision on the position of the machine, the nozzle cannot touch LED;
4. Different capacity requires different machine model.

Common Problems in the Industry

1. Gear pump and screw pump cannot be anti-abrasive; once broken, they cannot be repaired but only change.
2. Gear pump and screw pump are not precise enough to meter glue B. Glue B is easy to back-flow.
3. The machines in past years are not mature enough; not easy to repair and maintain.
4. Small glue output, high precision, no glue drop; frequent up-and-down.
5. Great glue output, high speed, multi-head nozzle, special requirement on the fixtures.

Advantage if Applying a Gluing Machine

1. D&H patented tech design – Double-Cylinder Plunger Pump; meter precisely;
2. D&H multi-function AB valve, specially anti-abrasive;
3. High precision, great glue output, anti-abrasive, long life span;
4. Optional functions: multi-head nozzle, heating, vacuum, self-cleaning.



【Fully Automatic Glue Dispensing PG-700】

Customers Application

ARLIGHT is the biggest enterprise in the LED lighting of Turkey. ARLIGHT's production and administrative units keep on their activities at company's own factory building which consists of 10.000m² covered and 14.000m² open area in Sarayköy, Ankara.

Sample Customers

ARLIGHT TURKEY
AYKON LED TURKEY

Customer's Products: LED bar light, 5m LED strip, wall washer, tube light.

The Requirement on the Technical Process of LED Rigid Bar Light.

1. Precise mixing AB glue, cannot dry too fast or slow or non-dry;
2. Precise metering on the glue amount;
3. Machine must move-and-down frequently, no glue drop between one "up" and "down";
4. Rigid bar lights have different length, the working area of the machine must be enough, and various fixtures are demanded.

>> Recommended Machine

Fully Automatic Glue Dispenser PGB-1500

Features:

1. Big working area: 1500x480mm;
2. Metering Pump: D&H patented plunger pump;
3. Glue output: 2-125g/5s, continuously supply glue;
4. Heating and self-cleaning functions are optional;
5. One-component glue supplying system can be added into the machine; means one machine; can provide two different glue supplying system.



【Recommended machine, Fully Automatic Glue Dispenser for LED Strip PG-5100】

Customers Application

MEGALIGHT is one of the early starters in LED Technology in Israel. Over the years, MEGALIGHT has improved its products and services to suit the Middle East conditions and meet customer expectations. With its experience over the past many years, MEGALIGHT today has LED Lighting solutions for an entire range of functional lighting applications.



【Fully Automatic Glue Dispenser PGB-1500】

The common problems in the manual gluing operation

1. Mixing ratio must be precise, stirring must be even.
2. Low speed, glue quality is not consistent; waste glue.
3. Some kinds of potting material is poor to health.
4. Manual gluing operation need more space but low efficiency.

>> Recommended Machine

Recommended machine, Fully Automatic Glue Dispenser for LED Strip PG-5100

Features:

1. Installed with D&H gear pump; glue B will not be back-flow;
2. Higher precision, longer life span and higher speed;
3. Capacity: 2000m/hour;
4. Standard fixture which is suitable for mass production.

Sample Customers

MEGALIGHT
AYKON LEN in Turkey

Customer's Products: LED bulb, lamp, flood light, street light

The Requirement on the Technical Gluing Process of LED Bulb

1. Mix AB glue precisely, cannot dry too fast or slow or non-dry;
2. Meter the glue amount precisely; the glue amount in each unit is the same;
3. Can't drop any glue on the lens; gluing effect must even;
4. Capacity must meet up with the requirement.

>> Recommended Machine

Recommended Machine: LED Bulb Glue Dispenser QPD-300

Features:

1. Precise valve controls the glue output, no drop, no drawing;
2. The nozzle can do arc, dot or the whole circle;
3. Table glue dispenser, easy to operate and change the glue tank;
4. Single work plate, the glue output speed 10-120g/5s, non-continuously supply glue;
5. Three work plates, high speed, capacity can be 800-1400pcs/hour.



【Fully Automatic Glue Dispensing Machine PGB-700】

Customers Application

FIEM INDUSTRIES is one of the biggest manufacturer and supplier in LED Lighting India. Over 40 years, FIEM Industries Limited has scripted a trailblazing path in its field with farsighted vision, innovation and sheer dynamism. Today, FIEM is a formidable name in automotive lighting industry with 8 state of the art manufacturing units.



【Recommended Machine: LED Bulb Glue Dispenser QPD-300】



【Recommended Machine: LED Bulb Glue Dispenser QPD-600】

The Requirement on the Technical Gluing Process of LED Bulb Driver

1. Precise mixing AB glue, Mixing evenly, mixture must dry well;
2. Glue output amount must be controlled well, the amount in each unit must the same;
3. No air bubble inside the mixed glue; not glue drop outside the driver;
4. Metering pump and valve must be different if the glue is different.

>> Recommended Machine

Fully Automatic Glue Dispensing Machine PGB-700

1. Precise valve controls glue output, long life span and anti-abrasive;
2. Movement track can be optional: dot, line, arc are all available;
3. D&H patented technical plunger pump, high precision, good quality stability;
4. Auto-cleaning, heat, vacuum functions are optional. Customized configuration is available.

Sample Customers

KAERTECH Philippines
Hanna Singapore

Customer's Products: Crystal photo frame, trade mark, card, sticker, craft, key chain.

D&H Advantage

1. Touch Screen, easy and directly operating;
2. Quality is reliable, good stability;
3. Easy to edit the program, can save over 100 different programs; suitable for different product models application.

The Common Problems during in manual work

1. Hard to control the mixing precision and even stirring;
2. Large waste of glue;
3. Gluing Effect is not consistent;
4. Low speed;
5. Workers are not easy to manage.

Advantages if Applying a Gluing Machine

1. Easy to operate and stable, high speed ;
2. Automatically vacuum to remove the air inside the glue ;
3. Precise mixing and stirring evenly, gluing effect is smooth without ripple;
4. Heating device is included in the machine ;
5. Metering, mixing, dispensing, positioning, degasing, and heating... all functions in one machine.



【Fully Automatic Glue Dispenser PGB-700】



Customer Application

JIN FUREN Industries Co., Ltd, founded in 1989, is the first foreign-owned company in Chongqing China. They built the JIN FUREN Group, extended into the area as wedding photography, art photography, children photography, photo frame process & making, advertisement design & making, chain management, etc.

Sample Customers

JIN FUREN INDUSTRIES CO., LTD
ZHEJIANG FOBES FRAMES
ZHENGZHOU IDEAL DIGITAL

Customer's Product: filter element
and other parts

The Requirement on the Technical Gluing Process of Parts in Water Treatment

1. There are many different kinds of glue used in the industry, viscosity & ratio are all various from each other;
2. The gluing process cannot be too fast, only permeate slowly;
3. Customers in this industry have different specs products;
4. Manual operation has low precision on glue amount;
5. Manual operation is also low speed, and waste glue.

» Recommended Machine

Semi automatic Glue Dispensing Machine

Features:

High precision metering pump, easy to operate, universal use.

【Semi automatic Glue Dispensing Machine】

Fully Automatic Glue Dispensing Machine

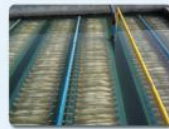
Features:

Fully automatic positioning, multi-head nozzle, high capacity, universal use.

Fully Automatic Glue Dispensing Line

Features:

Fully automatic positioning, multi-head nozzle, high capacity, universal use.



【Fully Automatic Glue Dispensing Machine】



【Fully Automatic Glue Dispensing Line】

Customer's Application

Lampyrise from Russia is one of the important enterprise in their industry. They bought PGB-650B to meter, mix and dispense two-component silicone into their power supply.

Customer's Products:
Power Supply, Transformer, Ignition



The Requirement on the Technical Gluing Process of Power Supply

1. AB glue must be mixed when it need to be used, to avoid waste;
2. Different glue has different ratio;
3. Manual Operation has many disadvantages like low capacity, poor consistence;
4. The sealing material includes high percentage of additives, easy to sediment.

» Recommended Machine

Fully Automatic Glue Mixer PJL-1200

Features:

1. D&H patented plunger pump for precise metering and mixing;
2. Hand held dispense valve with switch to control glue on / off;
3. Special pulley device is installed on the valve, working area is flexible.

Fully Automatic Glue Mixer PJL-1500

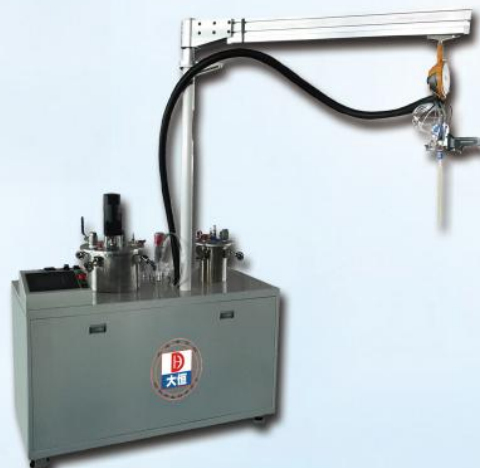
Features:

1. D&H patented plunger pump for precise metering and mixing;
2. Foot switch is available to control glue on / off by operator;
3. Suitable for two component glue 1:1 fixed, or 2:1-10:1 adjustable.

Fully Automatic Glue Mixer DPJ-100

Features:

1. Rotary Screw Pump for metering and mixing;
2. Special great glue speed 5-200g/s adjustable; big tank capacity: 100L;
3. Suitable for glue application of big volume.



【 Fully Automatic Glue Mixer PJL-1200】



【 Fully Automatic Glue Mixer PJL-1500】



【 Fully Automatic Glue Mixer DPJ-100】

Customer's Application

RT-SYSTEMTECHNIK is one of the leading and earlier providers of automated agricultural machinery from Germany. RT-SYSTEMTECHNIK has successfully extent its market through the whole Europe in the industries in the past years.

Sample Customers

Argos Trade Russia,
SIMAYESHAHR CO Iran

Customer's Products:
Capacitor, Sensor, Stabilizer, Circuit

The Requirement on the Technical Gluing Process of Capacitor

1. Manual operation provides low capacity ;
2. Gluing quality is not consistent, glue amount is not even ;
3. The potting material includes high percentage of additives ;
sediment and block is easy to be caused; hard to clean ;
4. The glue is not good for the health of worker during the
manual operation.



Recommended Machine

Fully Automatic Glue Dispenser For Capacitor:ZK-450

1. Designed for glue dispensing under vacuum condition;
2. Pressure in the vacuum chamber can be adjustable
from 100pa to 100Kpa;
3. XYZ working area: 450x450x70mm,
450x300x70mm optional.

Fully Automatic Glue Dispenser For Capacitor:PGB-650b

Features:

High capacity, high speed, self-refilling & multi-head
nozzle is available.



【Fully Automatic Glue Dispenser for Capacitor: ZK-450】



【Fully Automatic Glue Dispensing Line for Capacitor PGB-650B】

Features & Advantages

1. Communication interface is available to work with the
existing assembly line in customer's factory;
2. High precision metering and mixing of glue A &B; good
stability of PLC controlling system;
3. Auto-cleaning, heat, vacuum functions are optional;
4. Customized configuration is available.

Sample Customers

KARE Technologies Philippines
RT-SYSTEMTECHNIK Germany
Lampyrise Russia



The Front Desk



Meeting Room



Rest Room



Sales Office



Technical Meeting Room



Technical Office



Machining Area



Remote Experience Center



Machining Area



