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LINKPLUS PTE. LTD.

Professional Disposable Medical Manufacturer



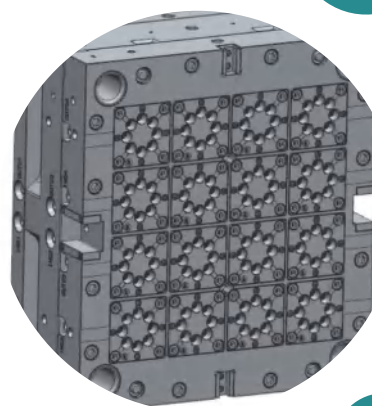
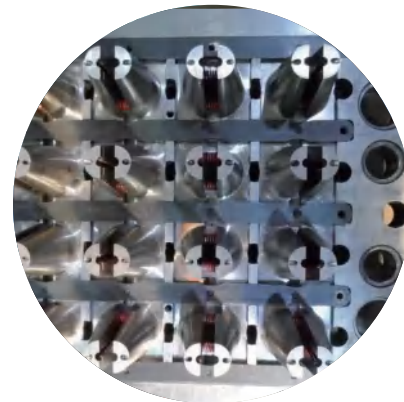
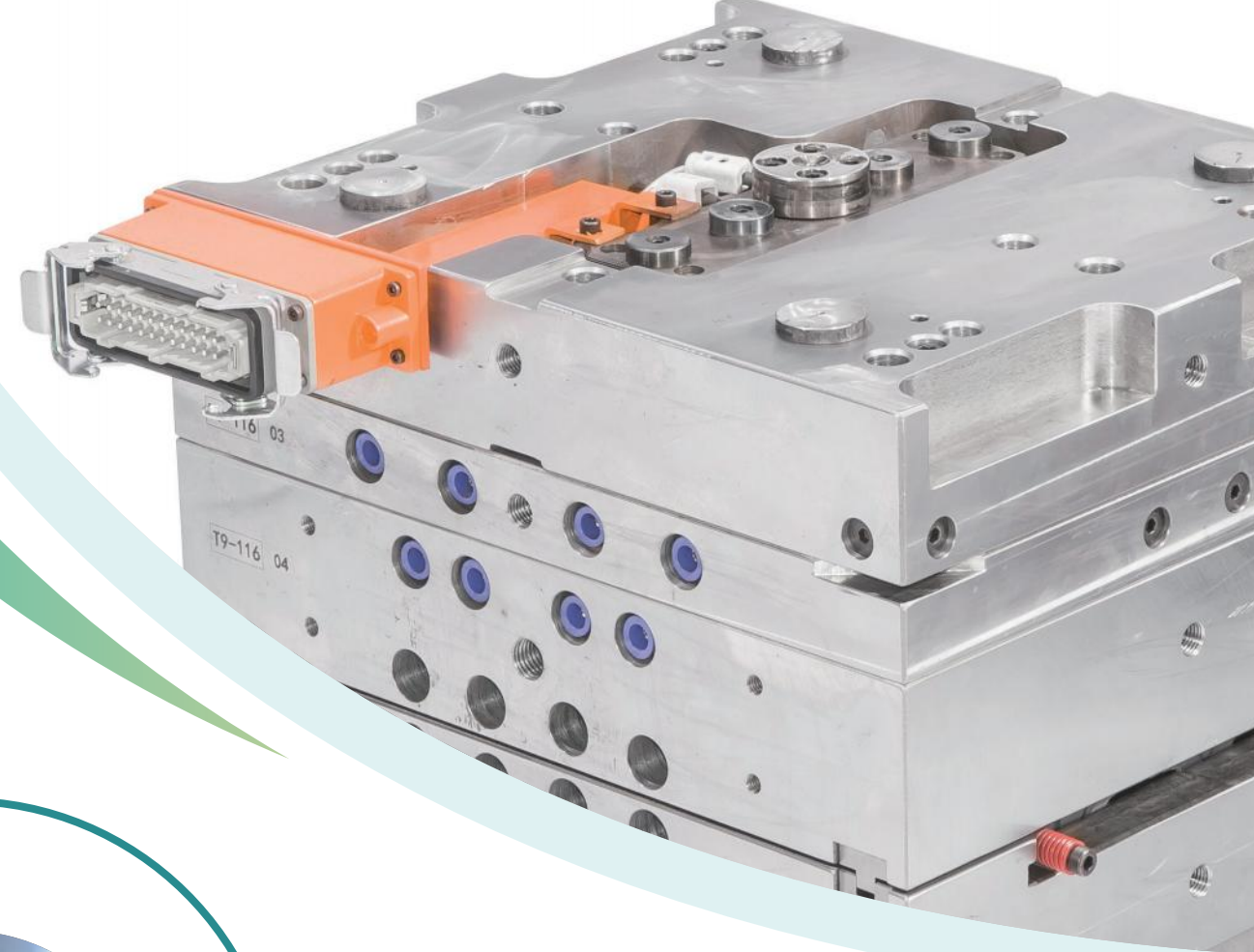
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More Than 20 Years Production Experience

Company Introduction

LINKPLUS specializes in the production of medical molds and assembly machines, providing a comprehensive range of solutions for medical device manufacturing. We focus on technology research, development and manufacturing of multi-cavity hot runner and multi-cavity hot runner molds. Our assembly machines are with high precise and quality, easy operating and easy maintain.

With more 20years manufacturing experience, Welink has a first class technology research and development team and the world top manufacturing machines. We have a comprehensive quality control system in place to ensure that our products meet the high standards of quality and precision.



Mold

Cold runner, semi hot runner and full hot runner

Mold list:

- **Syringe luer slip / luer lock**

- Barrel mold
- Plunger mold
- Gasket mold
- Gasket mold

- **AD Syringe luer slip / luer lock**

- Barrel mold
- AD Plunger mold
- Gasket mold

- **Safety Syringe luer slip / luer lock**

- Barrel mold
- Plunger mold
- Gasket mold
- Insulin syringe
- Barrel mold
- Plunger mold
- Cap mold



- **Insulin pen needle**

- Cap mold
- Hub mold
- Cannula cap mold

- **Needle / Safety needle**

- Hub mold
- Cap mold
- Safety shield mold

- **Infusion set / Blood transfusion set**

- Spike mold
- Airvent mold
- Chamber mold
- Clamp roller mold
- Clamp body mold
- Luer connector mold
- Solution feeder mold
- Lock cap mold
- Two-way valve mold
- Three-way valve mold
- Y-site mold
- Precision filter mold
- Clamp mold

- **I.V. catheter**

- Y-port mold
- Solution feeder mold
- Needle handle mold
- Hub mold
- Cap mold
- Tail seat mold
- Butterfly wing mold
- Anaesthesia needle mold

- **Blood collection needle**

- Hub mold
- Cover mold
- Cap mold
- Butterfly wing mold
- Needle hold mold

- **Dialysis tube**

- Clamp mold
- Cap mold
- Connector mold



WLIBSM High-Speed Integrated Barrel Printing and Syringe Assembly Machine

Machine information:

- It is the integrated machine with barrel printing and syringe assembly machine. It's common used for central slip, eccentric slip and luer lock syringe. All components are automatically fed for printing and assembly.
- The layout area of machine is reduced. The rotation process is reduced, worker is saved and the product pollution is also reduced.
- The machine is with automatic silicon spray system for barrel.
- The ink operation is upgraded to a circulating system to better solve the problems of ink waste and easy solidification.
- PLC controlled. The unqualified products, such as no gasket, no plunger, no needle and so on, will be automatically kicked out.
- Safety cover is optional. When open cover, machine will emergency stop. It's safe to modify and maintenance.
- Visual inspection system is optional. It reduces the unqualified rate.

Technical Parameters:

| | | | | | | |
|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Assembly Range | 1ml | 2-3ml | 5ml | 10ml | 20ml | 50ml |
| Assembly Speed | 320-370pcs/min | 320-370pcs/min | 320-370pcs/min | 300-340pcs/min | 240-280pcs/min | 140-180pcs/min |
| Rated Volt | 220V/50HZ | | | | | |
| Product Size | 6600x2570x2250 | | | | | |
| Power | 9kw | | | | | |
| Weight | 2000kg | | Air Pressure | | 0.4-0.6MPa | |



WLBPM High-Speed Barrel Gravure Printing Machine

Machine information:

- The machine adopts the principle of rolling transfer printing with steel roller and rubber roller to print on the surface of syringe barrel.
Barrel printing is automatic positioning.
- Newest ink supply system, using full automatic circulatory system, it reduces ink waste and keep machine clean.
- Automatic printing system for logo and graduation by hot process for dry.
- With high speed and durability, the production cost is minimized.
PLC controlled.
- Safety cover is optional. When open cover, machine will emergency stop. It's safe to modify and maintenance.
- Visual inspection system is optional. It reduces the unqualified rate.

Technical Parameters:

| | | | | | | |
|----------------|------------------|----------------|----------------|----------------|----------------|----------------|
| Printing Range | 1ml | 2-3ml | 5ml | 10ml | 20ml | 50ml |
| Printing Speed | 300-330pcs/min | 300-330pcs/min | 300-330pcs/min | 240-260pcs/min | 220-240pcs/min | 140-160pcs/min |
| Rated Volt | 220V/50HZ | | | | | |
| Equipment Size | 3000x2700x2150mm | | | | | |
| Power | 5kw | | | | | |
| Weight | 1030kg | | Air Pressure | | 0.4-0.6MPa | |



WLSAM High-Speed Syringe Assembly Machine

Machine information:

- The machine can be commonly used for assembly of centric tip, eccentric tip and luer lock syringes.
- The machine can be used for safety syringe or AD syringe.
- With latest technology, it enhances the assembly speed and increases the output
PLC controlled.
- Safety cover is optional. When open cover, machine will emergency stop. It's safe to modify and maintenance.
- Visual inspection system is optional. It reduces the unqualified rate.

Technical Parameters:

| | | | | | | |
|----------------|------------------|----------------|------------------|----------------|----------------|----------------|
| Assembly Range | 1ml | 2-3ml | 5ml | 10ml | 20ml | 50ml |
| Assembly Speed | 300-330pcs/min | 300-330pcs/min | 300-330pcs/min | 240-260pcs/min | 220-240pcs/min | 140-160pcs/min |
| Rated Volt | 220V/50HZ | | | | | |
| Equipment Size | 4650x2630x2150mm | | 3050x4000x2150mm | | | |
| Power | 3kw | | | | | |
| Weight | 1500kg | | Air Pressure | | 0.4-0.6MPa | |



WLPSAM Prefilled Syringe Assembly Machine

Machine information:

- Machine can assemble various types of prefilled syringe with centric luer lock tip. The components are automatically fed for assembly.
- With safety cover. When open cover, machine will emergency stop. It's safe to modify and maintenance.
- Machine is with Mitsubishi inverter. All operations are controlled by PLC. It's photoelectric monitoring, automatic stop without materials, automatic start with feeding, high speed assembly and stable performance.
- The contact parts of the machine and products are made of SUS316L. The machine is covered with SUS304 and 6061 oxidized aluminum alloy. MC Nylon is made from food special conveyor belts produced by FDA certified manufacturers, and other parts are far from anti-corrosion treatment.
- The machine will not pollute the product and clean area, and can produce continuously for 24 hours.

Technical Parameters:

| | | | |
|----------------|------------------|----------------|----------------|
| Assemble Range | 3ml | 5ml | 10ml |
| Assemble Speed | 200-220pcs/min | 220-240pcs/min | 200-220pcs/min |
| Rated Volt | 220V/50HZ | | |
| Equipment Size | 4326x3123x2150mm | | |
| Power | 3kw | | |
| Weight | 1440kg | Air Pressure | 0.4-0.6MPa |



WLNAM Automatic Hypodermic Needle Assembly Machine

Machine information:

- Machine adopts Keyence PLC control system.
- The panel is easy to operate with touch screen.
- The glue coating mechanism by servo motor is smooth and uniform.
- The detection system adopts Keyence CCD image from Japan.

Equipment parameters :

| | |
|---------------------|--------------------|
| Output | 68000 pcs per hour |
| Gas consumption | 60 cubic per hour |
| Whole machine power | 18KW |
| Rated pressure | > 0.6MPa |
| Area covered | 11m*3.5m |
| Equipment weight | About 7 tons |
| Operators | 2 persons |

Technical Parameters:

hub load – hub press – cannula load – glue process – oven dry – jam detection – cannula burs and cannula reverse detection by CCD – silicon process – unqualified products rejection – protection cap load – cap press – finished products discharging



WLSNM Safety Hypodermic Needle Assembly Machine

Machine information:

- Machine adopts Keyence PLC control system.
- The panel is easy to operate with touch screen.
- The glue coating mechanism by servo motor is smooth and uniform.
- The detection system adopts Keyence CCD image from Japan.

Equipment parameters :

| | |
|---------------------|--------------------------|
| Output | 18000-20000 pcs per hour |
| Gas consumption | 70 cubic per hour |
| Whole machine power | 18KW |
| Rated pressure | > 0.6MPa |
| Area covered | 12m*7m |
| Equipment weight | About 6 tons |
| Operators | 4-5 persons |

Technical Parameters:

hub load – hub press – cannula load – glue coating – 1st cannula twirl – 2nd cannula twirl – oven dry – jam detection – cannula burs and cannula reverse detection by CCD – silicon process – unqualified products rejection – protection cap load – cap press - finished products discharging



WLISM Insulin Syringe Assembly Machine

Machine information:

- Machine adopts Keyence PLC control system.
- The panel is easy to operate with touch screen.
- The glue coating mechanism by servo motor is smooth and uniform.
- The detection system adopts Keyence CCD image from Japan.

Equipment parameters :

| | |
|---------------------|--------------------|
| Production capacity | 18000 pcs per hour |
| Equipment power | 6KW |
| Gas consumption | 50 cubic per hour |
| Rated pressure | > 0.6MPa |
| Equipment weight | About 6 tons |
| Equipment size | 7m*2.5m |
| Operators | 2-3 persons |

Technical Parameters:

barrel load – cannula load – glue coating – oven dry – jam detection – cannula burs and reverse detection by CCD – silicon process – unqualified products rejection – Protection cap load – cap press – finished products discharging



WLIPNM Insulin Pen Needle Assembly Machine

Machine information:

- Machine adopts Keyence PLC control system.
- The panel is easy to operate with touch screen.
- The glue coating mechanism by servo motor is smooth and uniform.
- The detection system adopts Keyence CCD image from Japan.

Equipment parameters :

| | |
|---------------------|--------------------------|
| Production capacity | 20000-25000 pcs per hour |
| Equipment power | 15KW |
| Gas consumption | 50 cubic per hour |
| Rated pressure | > 0.6MPa |
| Equipment weight | About 12 tons |
| Equipment size | 10m*7m |
| Operators | 3-4 persons |

Technical Parameters:

hub load – cannula load – glue coating – oven dry – silicon process – jam detection – cannula burs and cannula reverse detection by CCD – small cap load – unqualified products rejection – big cap load – cap paper – flat press paper – side press paper – finished products discharging



WLPBNM Pen-Type Blood Collection Needle Assembly Machine

Machine information:

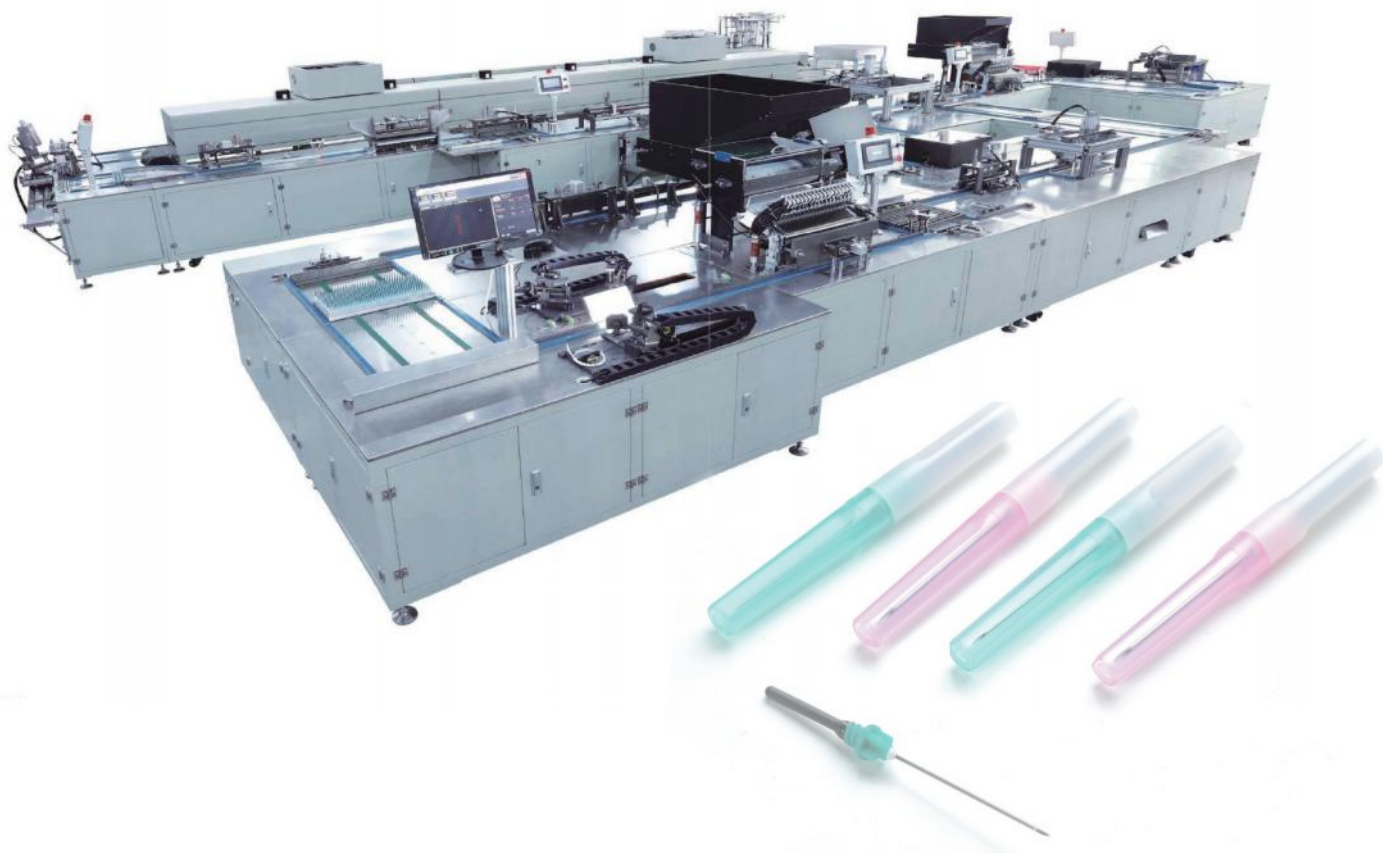
- Machine adopts Keyence PLC control system.
- The panel is easy to operate with touch screen.
- The glue coating mechanism by servo motor is smooth and uniform.
- The detection system adopts Keyence CCD image from Japan.

Equipment parameters :

| | |
|---------------------|--------------------------|
| Output | 12000 pcs per hour |
| Gas consumption | 60 cubic meters per hour |
| Whole machine power | 18KW |
| Rated pressure | > 0.6MPa |
| Area covered | 11m*6m |
| Equipment weight | About 9 tons |
| Operators | 3-4 persons |

Technical Parameters:

hub load – cannula load – glue coating – oven dry – blockage check – cannula burs and cannula reverse detection by CCD – silicon process – jam detection – long sheath load – long sheath press – jigs shift – silicon process – rubber sleeve load – press rubber sleeve – short sheath load – short sheath press - finished products discharging



WLBNM Butterfly Wing Needle Assembly Machine

Machine information:

- Machine adopts Keyence PLC control system.
- The panel is easy to operate with touch screen.
- The glue coating mechanism by servo motor is smooth and uniform.
- The detection system adopts Keyence CCD image from Japan.

Equipment parameters :

| | |
|---------------------|--------------------------|
| Output | 11000 pcs per hour |
| Gas consumption | 50 cubic meters per hour |
| Whole machine power | 20KW |
| Rated pressure | > 0.6MPa |
| Area covered | 11m*3.5m |
| Equipment weight | About 6 tons |
| Operators | 2-3 persons |

Technical Parameters:

wing hub load – cannula load – glue coating – 1st cannula twirl – 2nd cannula twirl – oven dry – jam detection – cannula burs and cannula reverse detection by CCD – silicon process – protection cap load – cap press – finished products discharging



WLBPM Blister Packing Machine

Machine information:

- Machine adopts Keyence PLC control system. The panel is easy to operate with touch screen.
- The glue coating mechanism by servo motor is smooth and uniform.
- The detection system adopts Keyence CCD image from Japan.

Equipment parameters :

| | |
|--|---|
| Dimension 7650L x 1100W x 1860H | Forming Depth Max, 120mm |
| Weight 2000Kg | Forming Material Width 425mm,Thick.50-150m,pp+pe,pp+pvc,pet,nylon |
| Power 3P/380V+N+PE/50Hz, 10KW | Lidding Materials Width ≤415mm, coated or non-coated paper |
| Mmaximum Packing Width 400mm | Minimum Packing Width 19mm |
| Mmaximum Packing Length 400mm | Minimum Packing Length 50mm |
| Air Consumption 6Kg/cm ³ , 700L/Min | Working cycle 4-7s |
| Chilled Water ≈120L/h (<25 °C) | |



WLS EO Sterilizer



| Part name | | Material specification |
|-----------------------|--------------------------|--|
| Cabinet | Tank | SUS 304 stainless steel plate, thickness 8mm |
| | Heating water | Q235 GB 16# channel steel |
| | Thermal insulation layer | 100kg class rock wool |
| | Canopy plate | Brushed stainless steel plate with thickness of 1.2mm |
| | Foot | Q235 GB 16# channel steel |
| Slide-door components | Door flange | SUS 304 Stainless steel |
| | Door plate | SUS 304 stainless steel plate with thickness of 8mm |
| | Door heating channel | SUS 304 Stainless steel |
| | Door sealx | Automatic internal inflatable silicone seals |
| Electric heating tank | Tank | SUS 304 stainless steel plate with thickness of 5mm |
| | Electric heating tube | Stainless steel electric heating tube, single power: 3.5KW |
| | Thermal insulation layer | 100kg class rock wool |
| | Frame materials | Q235 angle steel 60*60*6 |
| Gasifier | EO gasification tube | SUS304 stainless steel pipe |
| | Gasification tank | SUS 304 stainless steel plate with thickness of 5mm |
| | Thermal insulation layer | 100kg class rock wool |
| Control platform | | Q235 cold plate surface coated plastic |