



深圳丽高医疗科技有限公司
Shenzhen Lico Medical Technology Co.Ltd



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ONE STOP MEDICAL DEVICE SOLUTIONS

✓ raw materials and spare parts ✓ Equipment ✩ Finished Products

Shenzhen Lico Medical Technology co. Ltd is a Manufacturer & Trading Company. Our factory is found in Guangdong and Shandong province.

First, Our factory produces medical grade raw materials PVC granules for medical devices manufacturer. At the same time we also provide medical device automation machines, including infusion set assembly machine, syringe assembly machine, scalp ven set assembly machine, urine bags assembly machine.

Secondly we also have high quality service. Such as workshop layout, on-site installation and operator training & communication. We have rich experience of production and sales experience for disposable medical device series products.



ABOUT

One more, We are a professional trading company on medical device area Infusion set, Syringe, Burette infusion set, Mask, Needle, Scalp vein set, Urine bag etc. We also devote ourselves to researching, exploiting and manufacturing an extensive range of medical equipment and healthcare products in hemodialysis series, airway management, feeding and drainage tubes, IV therapy and blood products, wound care products, products for urology, non-woven products and surgical products.

At the last, we can sell second-hand machine and help overseas manufacturers to source original components such as GLC, sensor on the injection machine, infusion set machine, urine bags machine, syringes machines.



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PLASTIC RAW MATERIALS-PVC/ABS/PP/PE

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PVC-001 PVC GRANULES FOR INFUSION AND TRANSFUSION SERIES PRODUCT DESCRIPTION

APPLICATION

The series is widely used in the manufacturing of various types of Infusion set tube, blood transfusion (fluid) tube, elastic grade blood transfusion (liquid) tube, drip chamber, for "disposable liquid (liquid) equipment or precision transfusion (liquid) appliances."

APPLICATION

Model	LC-MT75A	LC-MD85A
Appearance	Transparent	Transparent
Hardness(ShoreA/D)	70±5A	85±5A
Tensile strength(Mpa)	≥15	≥18
Elongation, %	≥420	≥320
180°C Heat Stability (Min)	≥60	≥60
Reductive Material	≤0.3	≤0.3
PH	≤1.0	≤1.0

PROPERTY

Non-phthalates type can be customized
High transparency and excellent processing performance
Good resilience
Adapt to EO sterilization and Gamma Ray sterilization



PVC-003 PVC GRANULES FOR ANESTHESIA AND RESPIRATORY CIRCUIT SERIES

APPLICATION

The series is widely used in the manufacturing of the breathing support oxygen mask, anesthesia mask, matching catheter etc.

APPLICATION

Model	LC-MT70A	LC-MD75A
Appearance	Transparent	Transparent
Hardness(ShoreA/D)	65±5A	75±5A
Tensile strength(Mpa)	≥15	≥15
Elongation, %	≥420	≥300
180°C Heat Stability(Min)	≥60	≥60
Reductive Material	≤0.3	≤0.3
PH	≤1.0	≤1.0

PROPERTY

Non-phthalates type can be customized
Transparent, odorless granules
No migration or precipitation
Food contact level compounds for oxygen mask and cannula
White, light green and accustomed color are available



PVC-002 PVC GRANULES FOR HEMODIALYSIS

APPLICATION

The series is widely used in the manufacturing of the main tube, pump tube, air pot and other components in the blood line for hemodialysis.

APPLICATION

Model	LC-MT58A	LC-MD68A	LC-MD80A
Appearance	Transparent	Transparent	Transparent
Hardness(ShoreA/D)	65±5A	70±5A	80±5A
Tensile strength(Mpa)	≥16	≥16	≥18
Elongation, %	≥400	≥400	≥320
180°C Heat Stability (Min)	≥60	≥60	≥60
Reductive Material	≤0.3	≤0.3	≤0.3
PH	≤1.0	≤1.0	≤1.0

PROPERTY

Non-phthalates type can be customized
High molecular polymerization, high resilience
Excellent tubing flow retention
Excellent processability and thermal stability
Adapt to EO sterilization and Gamma Ray sterilization



PVC-004 PVC GRANULES FOR ENDOTRACHEAL TUBE

APPLICATION

Endotracheal Tube

APPLICATION

Model	LC-MT86-03
Appearance	Transparent
Hardness(邵氏A/D/1)	90±2A
Tensile strength(Mpa)	≥18
Elongation, %	≥200
180°C Heat Stability (Min)	≥40
Reductive Material	≤0.3
PH	≤1.0

PROPERTY

DEHP-FREE AVAILABLE
Low immigration of plasticizer, high chemical erosion resistance
Chemical inertness, odorless, stable quality
Non-leakage of gas, good abrasion resistance



PVC-005 PVC GRANULES FOR CONNECTION TUBE AND SUCTION TUBE

APPLICATION

The series is widely used in the suction or connection tube.

PROPERTY

Non-phthalates type can be customized
Clear and soft
Anti-kinking tube to avoid block under high pressure



APPLICATION

Model	LC-MT75A	LC-MD85A
Appearance	Transparent	Transparent
Hardness(ShoreA/D)	70±5A	85±5A
Tensile strength(Mpa)	≥15	≥18
Elongation, %	≥420	≥320
180°C Heat Stability (Min)	≥60	≥60
Reductive Material	≤0.3	≤0.3
PH	≤1.0	≤1.0

PVC-006 PVC GRANULES FOR INFUSION BAGS

APPLICATION

The series is widely used in the manufacturing of all kinds of infusion bags, nutrition bags, drainage bags, blood bags etc.

PROPERTY

Non-phthalates type can be customized
Customised compounds for different size bag
Transparent and natural color
Quickly restored after steam sterilization
Good opening performance
EO Sterile, No Toxic and Pyrogen Free



APPLICATION

Model	LC-MT70A
Appearance	Transparent
Hardness(ShoreA/D)	75±5A
Tensile strength(Mpa)	≥16
Elongation, %	≥420
180°C Heat Stability (Min)	≥60
Reductive Material	≤0.3
PH	≤1.0

PVC-007 RIGID PVC GRANULES

APPLICATION

Best alternative of transparent ABS or PE.

PROPERTY

Non-phthalates type can be customized
Without changing the mold a lower injection temperature, with less shrinkage.
More advantage of the price



APPLICATION

Model	LC-MT50S
Appearance	Transparent
Hardness(ShoreA/D)	50-80D
Tensile strength(Mpa)	/
Elongation, %	/
180°C Heat Stability (Min)	≥60
Reductive Material	≤0.3
PH	≤1.0

PVC-008 PVC GRANULES FOR LIGHT-RESISTANT PRODUCTS

APPLICATION

The series is widely used in the manufacturing of tube and drip chamber, for "disposable lucifugal (light-proof) transfusion appliances."

PROPERTY

Non-phthalates type can be customized
Process: co-extrusion
Outer layer: PVC (light proof)
Inner layer: TPE or TPU
Excellent light protection and transparency



APPLICATION

Model	LC-MT68A	LC-MD88A
Appearance	Transparent	Transparent
Hardness(ShoreA/D)	68±5A	85±5A
Tensile strength(Mpa)	≥16	≥18
Elongation, %	≥440	≥430
180°C Heat Stability (Min)	≥60	≥60
Reductive Material	≤0.3	≤0.3
PH	≤1.0	≤1.0

PP-009 EXPANDABLE ANESTHESIA CIRCUITS

APPLICATION

Expandable Anesthesia Circuits, widely used on breathing machine and anesthesia machine

PROPERTY

PVC-Free
Medical Grade PP
Tube body can be arbitrary extension and adjust the length, which make it convenient to operation.
Low immigration of plasticizer, high chemical erosion resistance.



APPLICATION

Model	LC-PPA7701
Appearance	Transparent
Hardness(ShoreA/D)	95±5A
Tensile strength(Mpa)	≥13
Elongation, %	≥400
PH	≤1.0

PP-010 PP GRANULES FOR CORRUGATE ANESTHESIA CIRCUITS

APPLICATION

Corrugate Anesthesia Circuits

PROPERTY

PVC-Free
Medical Grade PP
Excellent bend capability. Transparent, soft, and spiral hooping structure makes it not easy to kink.
Low immigration of plasticizer, high chemical erosion resistance.
Chemical inertness, odorless, stable quality
non-leakage of gas, good abrasion resistance



APPLICATION

Model	LC-PPA7702
Appearance	Transparent
Hardness(ShoreA/D)	85±5A
Tensile strength(Mpa)	≥13
Elongation, %	≥400
PH	≤1.0

PP-011 PP GRANULES FOR INFUSION BOTTLE CAP

APPLICATION

The series is widely used in the manufacturing of IV caps (both inner caps and outer caps).

PROPERTY

PVC-free
Excellent processability and thermal stability
Excellent biosecurity



PP-012 PP GRANULES FOR SYRINGES

APPLICATION

The series is widely used in the manufacturing of syringes.

PROPERTY

PVC-free
Excellent processability and thermal stability
Excellent biosecurity



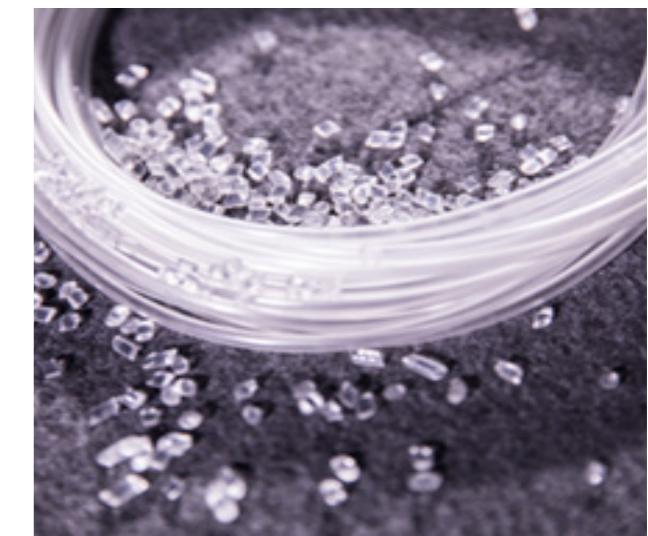
TPE-013 TPE GRANULES

APPLICATION

The series is widely used in the manufacturing of tube and drip chamber for "disposable precision transfusion appliances."

PROPERTY

PVC-free
Plasticizer-free
Better tensile strength and elongation at break
Passed by ISO10993-based biological compatibility testing, and containing the genetic adiyaman, including toxicity and toxicological tests



PVC-014 BLACK PVC GRANULES FOR GASKET ON SYRINGES

APPLICATION

Black PVC granules for gasket

PROPERTY

Uniform particle
 - No particles, extraneous matter, blooming, Floss
 crumbs , or impurity shall appear on surface
 - The number of particles of pollution ($\geq 2\text{mm}$) not
 more than 5 pcs/ KG



APPLICATION

Model	LC-MT65B
Appearance	black
Hardness(ShoreA/D)	65 ± 2
Tensile strength(Mpa)	≥ 18
Elongation, %	≥ 200
180°C Heat Stability (Min)	≥ 40
Reductive Material	≤ 0.3
PH	≤ 1.0

ABS-015 MEDICAL OR NON-MEDICAL GRADE ABS GRANULES

APPLICATION

For some rigid connectors injections

PROPERTY

Without changing the mold a lower injection temperature,with less shrinkage.



PVC-016 MEDICAL OR NON-MEDICAL GRADE PVC FILM

APPLICATION

For urine bags, feeding bags, Dialysis wasting bags, blood bags, infusion bags.

PROPERTY

We can provide different thickness of PVC film.
 different colors or clear PVC
 0.04mm-3.0mm clear PVC or colored PVC



SPARE PARTS AND COMPONENTS

LC-001



Steel Cannula

LC-002



Bulk Needles

LC-003



drip chamber

LC-004



latex bulb

LC-005

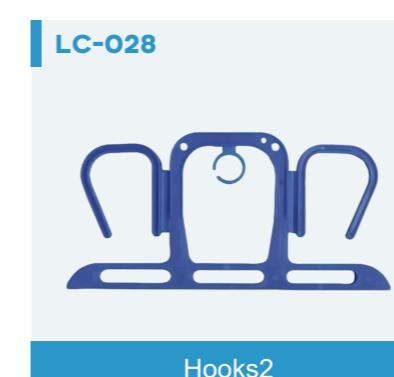
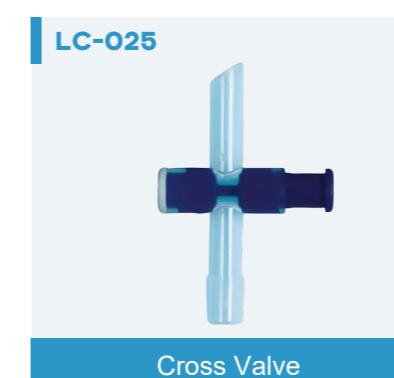


gasket for syringes

LC-006



burette set drip chamber





LC-031 INFUSION SET

Spike Air-Vented with protective cap
48 Chamber 20 drops with filter
roller clamp
Latex flash bulb
White luer lock with needle 21G and
protective cap
Tube:150cm
The size of drip chamber, roller clamp, tube
length can be customized.



LC-032 AUTO DRIP INFUSION SET

Our latest innovative feature adds extra
safety and eliminates the risk of air embolism in patients receiving infusions by pre-
venting air from passing through the
AUTOSTOP filter.
Specially engineered AUTOSTOP filter (15
micron) prevents the entry of air in the line
when the IV bottle is empty. AUTOSTOP filter
maintains a constant fluid level. No air can
get through to the patient, thus eliminating
the risk of air embolism.



LC-035 100ML BURETTE INFUSION SET

sharp piercing device with protective cap
integrated bacteria-proof air vent with air
vent cap
integrated injection port on top of the
cylinder
transparent cylinder with graduated scale
and floater
drip chamber and micro drop former with 60
drops equivalent to 1 ml \pm 0.1 ml aqua dest.
15 μ m bottom fluid filter
with or without needle
semi-transparent tubing, total length 150
cm with green lancet clamp
Burette SET:
precision flow regulator
latex-free injection site, Y-site, thumb
control
regular luer lock connector with protective
cap



LC-036 150ML BURETTE INFUSION SET

Burette Chamber 150ml without valve and
UP-cap with
Y needles Free connector
50 roller clamp
Spike with air-vented cap and protective cap
60 drops chamber
62 roller clamp
Y needles free connector
Tube: 25+150+30cm



LC-033 BLOOD TRANSFUSION SET

Spike Air-Vented with protective cap
48 Chamber 20 drops with filter
roller clamp
Latex flash bulb
White luer lock with needle 21G and
protective cap
Tube:150cm
The size of drip chamber, roller clamp, tube
length can be customized.



LC-034 LIGHT-RESISTANT INFUSION SET

spike air-vented with protective cap
54 chamber 20 drops with filter
(Light-sensitive)
62 roller clamp
Latex free Y connector (Light-sensitive)
Luer lock with needle 21G
Light-sensitive raw material
Tube: 150cm (Light-sensitive)



LC-037 EXTENSION LINE

Female Luer lock with cap
Tube(3.0*4.1mm) 10CM-50CM
Latex free Y connector
IV Regulator
Male luer lock with cap



	2 PARTS SYRINGE	3 PARTS SYRINGE
SIZE	2ML ,3ML ,5ML,10ML ,20ML	1ML,2ML,3ML,5ML,10ML ,20ML ,30ML ,50ML,60ML
TYPE	LUER SLIP	LUER SLIP/LUER LOCK
NEEDLE	WITH/WITHOUT NEEDLE	WITH/WITHOUT NEEDLE
STERILE	EO GAS	EO GAS
PACKAGE	PE/BLISTER	PE/BLISTER

GAUGE	16G	18G	19G	20G	21G	22G	23G
COLOR	WHITE	PINK	CREAM	YELLOW	GREEN	BLACK	BLUE
GAUGE	24G	25G	26G	27G	28G	29G	30G
COLOR	PURPLE	ORANGE	BROWN	GREY	BLUE-GREEN	RED	LIGHT YELLOW



TYPE	INSULIN SYRINGE WITH MOUNTED NEEDLE
SIZE	0.3ML ,0.5ML,1ML
NEEDLE	27G-31G
STERILE	EO GAS
PACKAGE	PE/BLISTER



SCALP VEIN SET(LUER LOCK OR LUER SLIP)

Sharp needle tip, High quality needles cannula
Luer lock or Luer slip
Single wing or Double wing
18G-30G
E.O. GAS Sterilization
Polybags packing or blister packing



LC-043



HEMODIALYSIS BLOOD LINE

Model	Pump Segment (IDxODxLength)mm	Chamber OD mm	Descriptions
LC-L01	6.4x9.75x420	22	B.Braun(HD-SECURA)
LC-L02	7.9x12.1x420	22	Gambro(except AK95), Fresenius(Venous Chamber 22mm). Nikkiso, Baxter, Nipro, Toray, JMS, B.Braun, Belco.
LC-L03	7.9x12.1x420	30	Fresenius(Venous Chamber 22mm)
LC-L04	7.9x12.1x420	20	Gambro AK95, Baxter, Nikkiso, Nipro, Toray, JMS, B.Braun, Belco.

LC-044



BLOOD BAGS

TRO-DONEX sterile and non-pyrogenic blood bags are made of a special PVC material and are available as single, double, triple or quadruple type. They consist respectively of the closed system of collection bag, containing an anticoagulant solution, and the integrated 16 G needle, connected by the flexible donor tubing. The excellent sharpness of the thin-wall needle enables painless puncture and high flow rates. According to the type, one, two or three transfer bags are connected with the blood bag by transfer tubing.

INDICATION

For collection, preservation and transport of whole human blood and blood components.

STERILISATION

Autoclave

PACKAGING

Individually and sterile sealed in a transparent foil. 3, 4, 6 or 10 pieces in an airtight sealed aluminium foil bag.

MATERIAL

Polyvinylchloride (PVC)

SHELF LIFE

3 years

SIZES

COLLECTION BAG:

450 ml (also available with 250 ml - 500 ml)

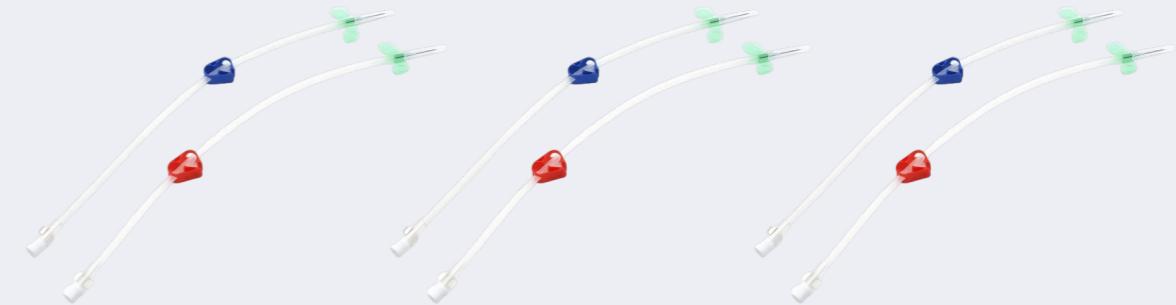
TRANSFER BAG:

150 ml - 450 ml

ANTICOAGULANT:

CPDA-1, CPD or CPD+SAGM Solution, other types are available

LC-045

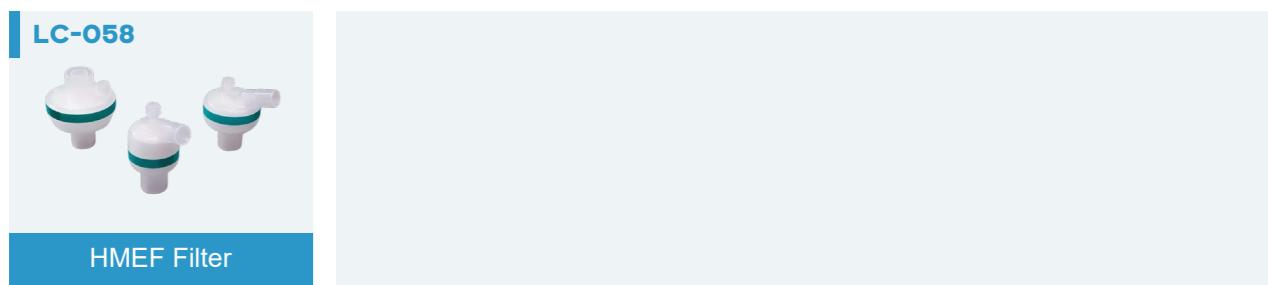


DISPOSABLE A.V FISTULA NEEDLE

OD	Navy-blue	Color code	General Specifications
1.8	15G	Navy-blue	1.8×25mm
1.6	16G	Dark green	1.8×25mm
1.2	17G	Red	1.8×25mm

RESPIRATORY ANESTHESIA AND EMERGENCY CARE

CE MDR ISO
ISO13485



DISPOSABLE CATHETER



UROLOGY AND DRAINGE SERIES



IVD LAB COMSUMABLE



MACHINE-01 FULLY AUTOMATIC ASSEMBLY SYRINGES MACHINE

EQUIPMENT PARAMETERS

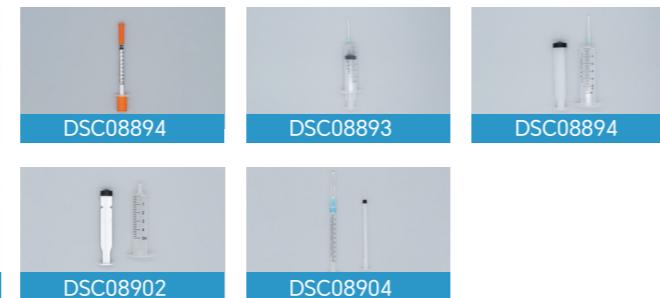
Production capacity: 1-5ml 300-330/min
10-20ml 22-260/min 50ml 140-160/min
Equipment power: 3KW
Rated pressure: 0.4-0.6MPa
Equipment size: About 1.5tons
Equipment weight: 4.6-4.9m*3m



Fully Automatic Assembly syringes machine

EQUIPMENT

This machine can assemble all the parts of the syringe (Barrel, plunger, gasket and needle), including the luer slip type, luer lock type and eccentric tip type etc. The equipment can also assemble various types of self-destruct syringes and safety syringes. New development technology applied to the machine allows Extremely Accurate, High-Speed Operation and High Assembly Quality. PLC control, equipped with safety protective cover, open cover door emergency stop, repair and maintenance equipment is safer.



DSC08894

DSC08893

DSC08894

DSC08902

DSC08904

MACHINE-03 FULLY AUTOMATIC ASSEMBLY MACHINE FOR INFUSION SET

EQUIPMENT PARAMETERS

Production capacity: 5000-6000pcs per hour
Equipment power: 12KW
Rated pressure: 0.5-0.8MPa
Equipment size: About 6.5tons
Equipment weight: 14*7.5m



Fully Automatic Assembly syringes machine

EQUIPMENT

Adopting Japanese Mitsubishi programmable controller and Japanese SMC (original and genuine) Pneumatic components, smooth assembly process



DSC08862

DSC08863

DSC08913

DSC08914

infusion set 1

infusion set 2

MACHINE-02 FULLY AUTOMATIC ASSEMBLY MACHINE FOR HYPODERMIC NEEDLE

EQUIPMENT PARAMETERS

Equipment parameters
Production capacity: 6000pcs per hour
Equipment power: 18KW
Rated pressure: >0.6MPa
Equipment size: About 7tons
Equipment weight: 11*3.5m



Fully automatic assembly machine for hypodermic needle

EQUIPMENT

The device adopts the Keyence programming control system, and the panel is easy to operate with the touch screen. The servo motor coating mechanism is smooth and uniform.

The detection system adopts the Keyence CCD image from Japan, and the pneumatic configuration adopts the imported components.



DSC08904

MACHINE-04 FULLY AUTO-PACKING MACHINE FOR INFUSION SET

EQUIPMENT PARAMETERS

Production capacity: 2500-3000pcs per hour
Equipment power: 12KW
Rated pressure: 0.5-0.7MPa
Equipment size: About 3tons
Equipment weight: 5*3.4*2.6m

EQUIPMENT

Implemented automated packaging, sealing, and coding; The equipment occupies a small area and has low investment costs, which solves the problem of automated packaging with multiple specifications. Effectively solving the problems of high pollution risk and low yield in traditional manual packaging processes. Greatly improving production efficiency, saving customers' manpower, material resources, and time. Effectively reducing production costs.



Auto-Packing Machine for Infusion Set



MACHINE-05 FULLY AUTOMATIC ASSEMBLY MACHINE FOR SCALP VEIN SET

EQUIPMENT PARAMETERS

Production capacity: 6000pcs per hour
Equipment power:3-5KW
Rated pressure:0.5-0.7MPa
Equipment size: About 2tons
Equipment weight:5*3m



EQUIPMENT

The assembly process is stable with Mitsubishi programmable controller and SMC pneumatic components

Fully automatic assembly and packing machine for scalp vein set



DSC08810

DSC08816

DSC08817

MACHINE-07 BURETTE SET ASSEMBLY LINE

EQUIPMENT PARAMETERS

Production capacity: 2000pcs per hour
Equipment power:4KW
Rated pressure:5-8MPa
Equipment size: About 5tons
Equipment weight:6*4*1.6m



burette set down cap



burette set down cap



DSC08799



DSC08803



burette set down cap



burette set down cap



DSC08808



DSC08870

MACHINE-06 FULLY AUTOMATIC ASSEMBLY MACHINE FOR BLOOD COLLECTION NEEDLES

EQUIPMENT PARAMETERS

Production capacity: 8000pcs per hour
Equipment power:15KW
Rated pressure:>0.5MPa
Equipment size: About 6.6tons
Equipment weight:12*5m

EQUIPMENT

The device adopts the Keyence programming control system, and the panel is easy to operate with the touch screen. The servo motor coating mechanism is smooth and uniform.

The detection system adopts the Keyence CCD image from Japan, and the pneumatic configuration adopts the imported components.



Fully automatic assembly and packing machine for blood collection needles



blood collection



DSC08819



DSC08842

MACHINE-08 TUBE EXTRUSION AND CUTTING MACHINE

This machine is applicable to the production of high precisely medical oxygen tube, shield tube, latex tube and PVC short tube of disposable infusion apparatus and other conduits.



tube extrusion and cutting machine



Tube Extrusion machine



tube extrusion machine1

MACHINE-09 FULLY AUTOMATIC ASSEMBLY MACHINE FOR URINE BAGS

EQUIPMENT PARAMETERS

Total power of the equipment:23kw
Working voltage:380V;three-phasefive wire
Working air pressure:0.5-0.7MPa
Capacity:700-900pcs/hours
Size:6.8m*2.75m*1.8m
Weight:3500kg



EQUIPMENT

The welding seal is firm and beautiful, the machine structure is reasonable, and it is highly practical. Introducing advanced European technology, with stable and reliable performance, high degree of automation, labor-saving and high production efficiency. The mechanical design has fully automatic conduit transfer welding technology. Equipped with high stability PLC program, servo motor feeding, Photo electric eye tracker, and automatic material shutdown function to ensure product quality. Equipped with a highly sensitive spark protection device to effectively and safely protect molds and products.



MACHINE-11 11. FULLY AUTOMATIC BLISTER PACKING MACHINE

EQUIPMENT PARAMETERS

Production capacity: 8000pcs per hour
Equipment power:15KW
Rated pressure:>0.5MPa
Equipment size: About 6.6tons
Equipment weight:12*5m



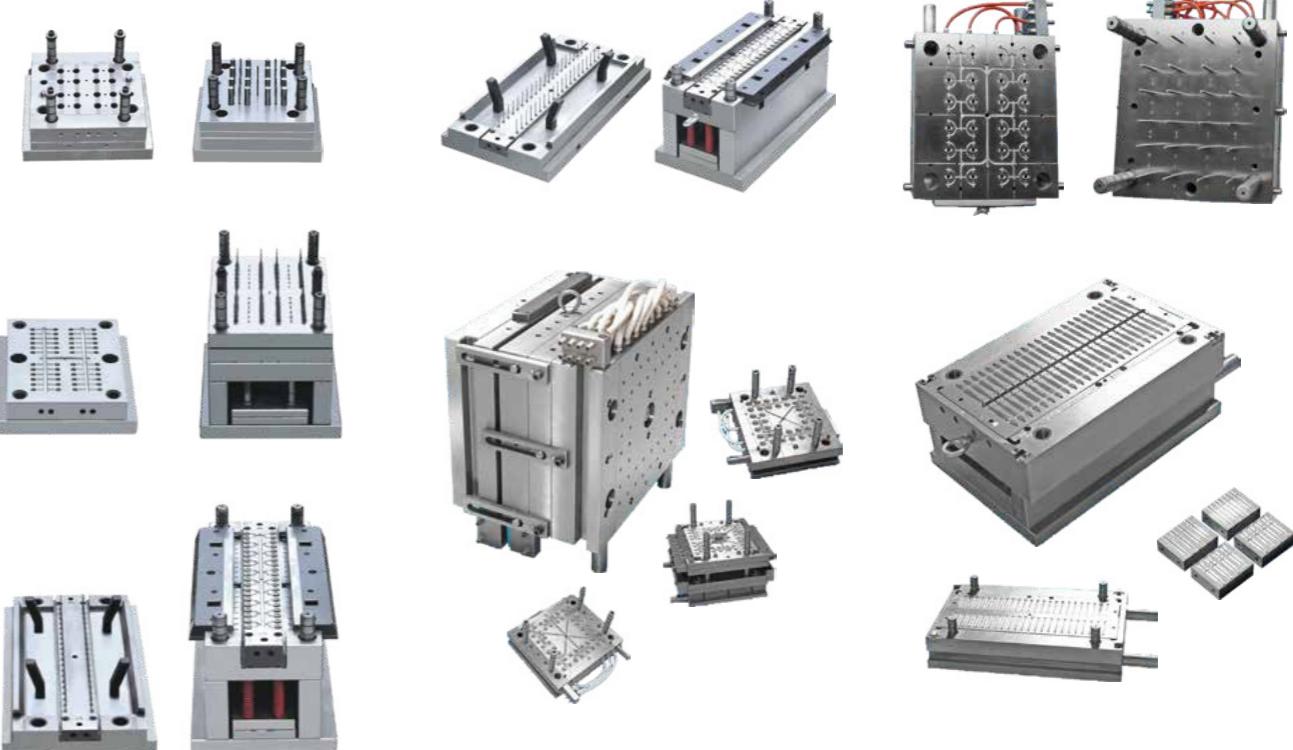
Blister packing machine

EQUIPMENT

Fully Automatic Blister Packing Machine is a highly economical solution that guarantees high production efficiency with the least amount of product and material waste. It is designed for the quickest changeover, the highest efficiency with all kinds of packaging materials. With its attractive running speed and very quick size change over, it is the ideal tray-forming solution for small/medium batches or when many batch changes or size changes are required. Machines are built with a higher level of GMP norms.



MOLD



MACHINE-10 SINGLE HEAD WELDED HIGH FREQUENCY MACHINE

Mainly applicable to:PVC plastic packaging bags, PVC soft bags, TPU transparent bags, and any other PVC or PVC content of more than 30% of the plastic welding.

using the principle of high frequency heat sealing, the workpiece is heated through a high frequency mold to achieve the fusion of plastic and plastic, allowing the intermediate pipe to be welded 360° in all directions at the same time, until the product is welded without air or liquid leakage, and is fused into one body under the action of high frequency waves.
1.35m*0.8m*1.5m 300kg

