

Create Value for Customers



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Our Mission

Create value for customer

Our Vision

Based on the world, strive to be the most outstanding supplier of pharmaceutical turnkey project and equipment in China.



Blood Collection Tube (BCT) Combination Assembly Line

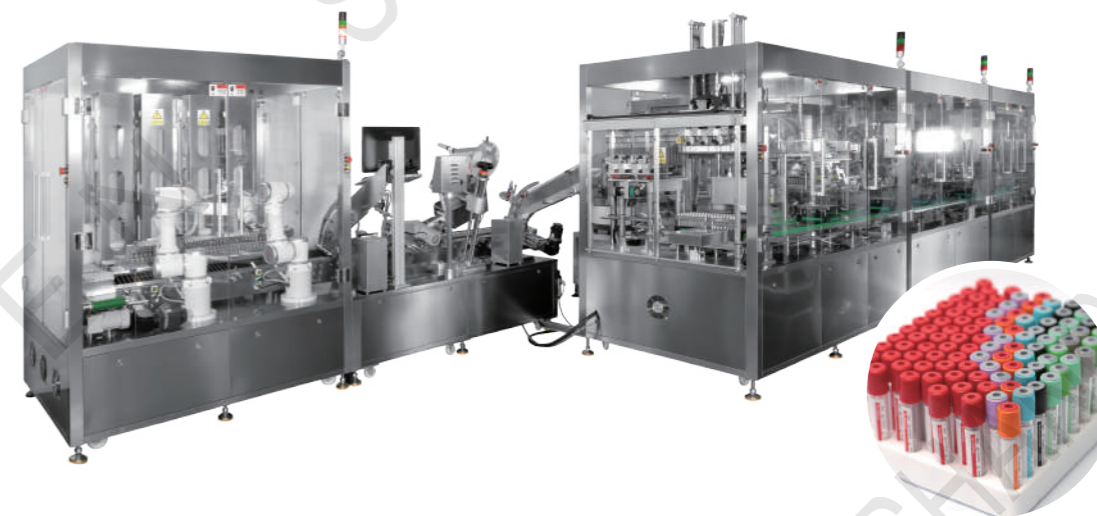


The blood collection tube production line includes tube labeling, tube loading, reagent dosing, drying, stoppering & capping, vacuuming, tray loading, etc. Easy & safe operation with individual PLC & HMI control, only 2-3 workers can run the whole line well. Compared with other manufacturers, our equipment has unique features, including smaller overall dimension, higher automation & stability, lower fault rate and maintenance cost, etc.

- High automation, reasonable operation process and optimization of integration, 2-3 skilled operators can manage the whole production line smoothly from tube loading to finished product outputting.
- Multi-aspect detection, such as the reversed tubes, missing tubes, dosing, drying temperature, cap in position, foam tray loading, etc.
- High vacuuming qualified rate. With unique design of spring-type tube racks, the vacuum degree can be set on touch screen easily and accurately, the corresponding vacuum degree can be automatically set according to the altitude of user's region.
- High quality structure: main body adopts high quality steel for weight bearing, surface and frame adopt the high quality stainless steel for easier cleaning, which meets GMP standard.

Name	Specification
Applicable tube size	Φ13*75 mm and Φ13*100 mm tube; or Φ16*100 mm tube
Production capacity	15,000-18,000 tubes/hour
Dosing & accuracy	Anticoagulant: FMI metering pump, accuracy ±5% based on 20μl; Coagulant: precise ceramic injection pump, accuracy ±6% based on 20μl; Sodium citrate: ceramic injection pump, accuracy ±5% based on 100μl
Drying method	PTC heating with high pressure fan
Cap specification	Downward type or upward type cap, according to customer's requirements
Applicable foam tray	Interlaced type or rectangular type foam tray
Power supply	AC 380 V, 50 HZ, 19 KW
Compressed air	Clean compressed air pressure 0.6-0.8 Mpa
Machine size (L*W*H)	6300*1200*2000 mm

Blood Collection Tube (BCT) Intelligent Assembly Line



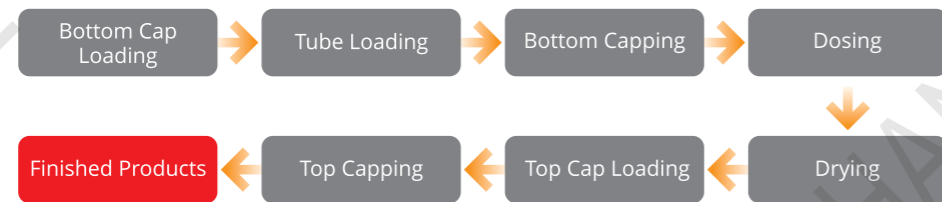
Tail-labeling machine connection online, non-label tube to be auto detected by world leading image technology after stoppering & capping and vacuuming. CCD also include rift of stopper or cap or tube, foreign matter inside tube, no additive, less additive, etc.), qualified tube transfer to tail-labeling machine and disqualified tube to be rejected. Fully auto detection technology for BCT is on the cutting edge of the industry.

- Save labor cost by equipping fully auto CCD detection, only 2-3 skilled workers can reach production capacity of 18000-24000pcs per hour. Manual tube loading only requested at the very beginning, the other stations all auto with online BCT image and online labeling inspection which rejects disqualified tubes intelligently to ensure 100% pass rate.
- Reduce secondary pollution risk by less exposure during production, better protect the tube cleanness. (PET tube produced in Class 100,000 clean room workshop), worker only contact tube one time when loading tubes into auto loading machine, ensure tube cleanness during production in Class 100,000 level clean room workshop.
- Testing qualified products for automatic labeling, ensure packaging sequence according to barcode numbers. Packaging sequence according to barcode numbers can be up to export standard and usage requirements of large hospitals.
- Auto inspection device rejects disqualified tube when no label, slanting label, poor adhesive label, etc., which ensures labeled tube and finished tube with pass rate 100%.
- Labeling speed matches the auto assembly line speed well to ensure whole line production capacity reach 18000~24000pcs/h.

Micro Blood Collection Tube Production Line



Micro blood collection tube serves as easy to collect blood from fingertip, earlobe or heel in neonates and pediatric patients. IVEN micro blood collection tube machine linkage operations by allowing the automatic processing of the tube loading, dosing, capping and packing. It improves workflow with a one single micro blood collection tube production machine and requires less personnel to operate.

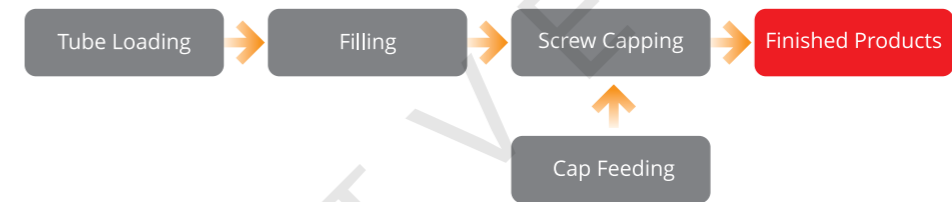


Name	Specification
Applicable tube specification	Flat bottom micro tube. (based on the samples provided)
Production capacity	≥ 5,500 pieces / hour
Dosing & precision	FMI ceramic quantitative pump (air atomization) ≤ ± 6% (calculation base 10 μl)
Drying method	"PTC" heating, hot air drying
Power supply	AC 380 V, 50 HZ
Power	Assembly line ~ 6 KW
Clean compressed air pressure	0.6-0.8 Mpa
Air consumption	<300 L/min, air inlet G1/2, air pipe ø12

Virus Sampling Tube Assembling Line



Our virus sampling tube assembling line is mainly used for filling transport medium into virus sampling tubes. It has high degree of automation, high production efficiency, a good process control and quality control.

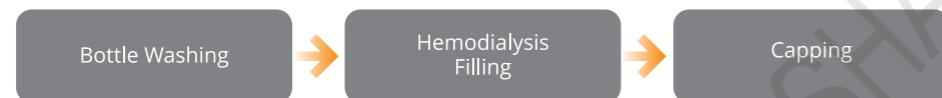


Name	Specification
Production capacity	6,000-8,000 tubes/hour
Applicable tube type	According to customer provided samples
Overall dimension	2000*1800*1500 mm
Power supply	AC 380 V, 5 HZ
Electric power	2.5 KW
Air supply	0.6-0.8 Mpa, <100 L/min
Weight	900 KG
Filling station	Precision ceramic injection pump
Filling accuracy	≥±97% (base on 3 ml)
Capping station	Auto screw capping

Hemodialysis Solution Production Line



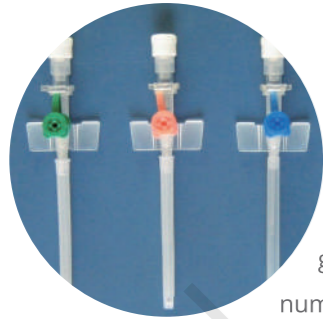
The Hemodialysis filling line adopts latest technology and is specially designed for dialysate filling. The filling station adopts a peristaltic pump or a 316L stainless steel syringe pump. It is controlled by PLC, with high filling accuracy and convenient adjustment of the filling range. This machine has reasonable design, stable and reliable operation, easy operation and maintenance, and fully meets GMP requirements.



- High precision: Adopting E+H mass flow meter filling system, increase the filling precision.
- Fast-slow filling valve, guarantee fast filling in earlier stage to save filling time, and slow filling in last stage to increase the filling precision. Motor top-bottom filling, reduce the foaming while filling.
- Mounted collect tray under filling nozzle in case of drip from the nozzle. Our nozzle has the function of shutting on/off to seal the nozzle mouth, guarantee no dripping touch to the bottle outside.
- Whole machine is controlled intelligently, bottle sensor reading, no bottle no filling, crash proof design for each bottle.
- Electric components adopt French Schneider, like PLC, HMI, inverter and breaker. Integrate pneumatic controlling, more stable, safety, green and low consumption.
- Machine is fully covered by SS304, tempered glass door, better adaptability of various kinds of environment, anti-corrosive, and easy clean.
- Pipeline support CIP/SIP.

Name	Specification
Production capacity	500-2,000 bottles/hour
Bottle size	5-12 L
Washing heads	2-10
Filling heads	2-10
Filling accuracy	≤0.3%
Capping heads	1-6
Capping qualified rate	≥99.99%
Finished production qualified rate	≥99.9%
Water consumption	30-50 L/min
Power consumption	1-3 KW
Clear air consumption	0.5-0.7 Mpa 0.5-1.2 m ³ /min
Machine weight	1000-3000 KG

IV Cannula Assembly Line LVP Inspection Machine



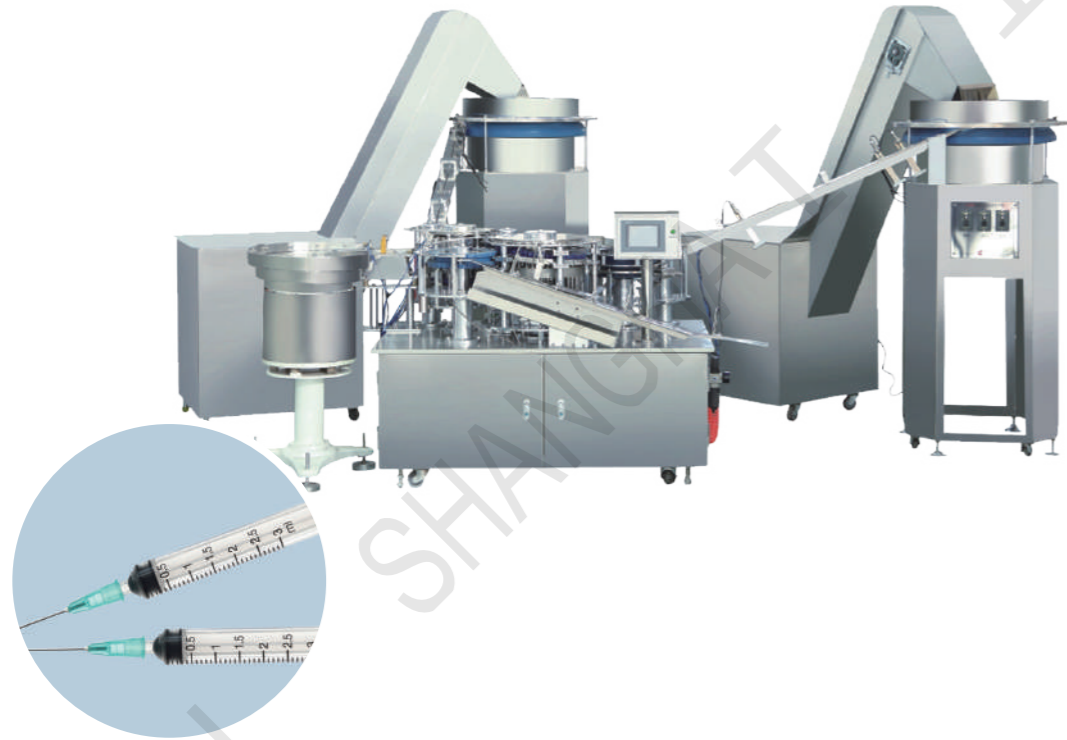
IV Catheter Assembly Machine, also called IV Cannula Assembly Machine, is growing in popularity. Because IV Catheter has the advantages of reducing the number of vascular punctures, reducing extravasation, and enabling infusion therapy at any time. It has been increasingly accepted by the majority of patients and caregivers. IVEN IV Cannula Assembly Machine helps our customers to produce advanced IV cannula with best quality guaranteed and production stabilized.



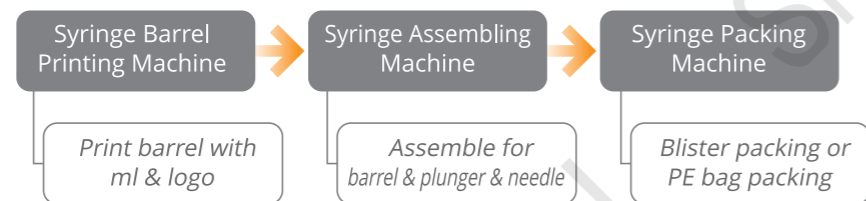
- Automatic on-line detection of burr, angle, glue amount and needle blockage, comprehensively improve product quality.
- The possibility of residual silicone oil is greatly reduced by using vertical silicification and blowing clean air.
- Automatic counting function is available.
- The needle tube falls freely by gravity to avoid needle tip damage caused by the equipment itself.
- Easily replace the needle clamp, and the equipment can be more widely adapt to various needle tube sizes.

Name	Specification
Installation size	Around 200 m ²
Machine working height	850 mm
Equipment weight	7000 KG
Power supply	AC 380 V, 50HZ
Power	25 KW
Using air pressure	5 kg/cm ²
Air inlet diameter	Φ 12 mm
Production capacity	2,000 pcs/hour

Disposable Syringe Production Line



IVEN disposable syringe production line includes syringe printing machine, syringe assembling machine, syringe blister packing machine (syringe PE bag packing machine). It is applicable for different type users including slip type and lock type.



- LCD display shows the feeding speed, and can adjust the production speed separately, with electronic counting
- High efficiency, low power consumption
- Stable operation, low noise
- Easy maintenance
- Suitable for the GMP / FDA / WHO workshop

Syringe Printing-Assembling-Packing Machine

Model	2 ml	5 ml	10 ml
Production capacity	200-350 pcs/min	200-350 pcs/min	200-300 pcs/min

IV Infusion Set Production Line



IVEN fully automatic IV infusion set assembly production line in compliance with GMP/WHO/FDA standard to make different IV infusion sets with high production of up to 5000 sets/hour.

The assembly line includes assembling modules of Upper Air Vent Tube, Air Filter, Plastic Puncture, Puncture Jacket, Drip Chamber, Connector, Infusion Tube, Flow Regulator and its Wheel, Drug Filter, etc. Inspection module during the whole process is available (optional), like CCD screen inspection, air inspection or press inspection as per request, to make sure a high quality output.

- 2-3 workers to supervise all stations
- Automatically feeding and assembling with stable running, high efficiency with low power consumption
- Easy maintenance and cleanability
- Module design to flexible the different kind of IV infusion sets' production request
- Suitable for the GMP / FDA / WHO workshop

Name	Specification
Production capacity	5000 sets/hour for infusion set assembly speed
Qualified product rate	≥ 98%
Power supply	380 V, 50 HZ, 22 KW
Air consumption	1-5 m ³ /min

