



## Bottle Blowing-Filling-Sealing Machine (BFS)

### Main application

Bottle Blowing-Filling-Sealing Machine (BFS) is a aseptic packaging technology. The system can ensure the process such as pharmaceutical grade PP/PE particles extrusion into container, automatic filling and sealing under aseptic conditions. It can effectively reduce the pollution of human operation, environment, material and so on. It meets the requirements of aseptic production process which is widely applied to various areas of plastic bottle sterile liquid preparation.

### Main technical parameters

Product model	HQS -20-A	HQS -20-B	HQS -30-A	HQS20 -30-B	HQD-6	HQD-8	HQS -20-2	HQS -12-2	HQS -16-2	HQS -30-2A	HQS -30-2B	HQD -6-2	HQD -8-2
Mould	1						2						
Tube embryo number	4	3	6	8	4	3	6	8					
Single embryo number	5	4	5*2	10	1	5	3	4	5*2	10	1		
Total cavity number	20	16	30	30	6	8	40	24	32	60	60	12	16
Filling range (ml)	2-20	5-30	0.2-0.8	1-2	500-1000	50-500	5-20	10-30	5-30	0.2-0.8	1-2	500-1000	50-500
Capacity (pcs/h)	6000	5400	9000	9000	1000-1100	1600-1800	12000	7200	9600	18000	18000	1800-2000	3200-3600
Shape size (mm)	5500×2800(6000)×3000				6000×3500×3000			6000×5000(10000)×3000				6000×6000×3000	



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### Marketing

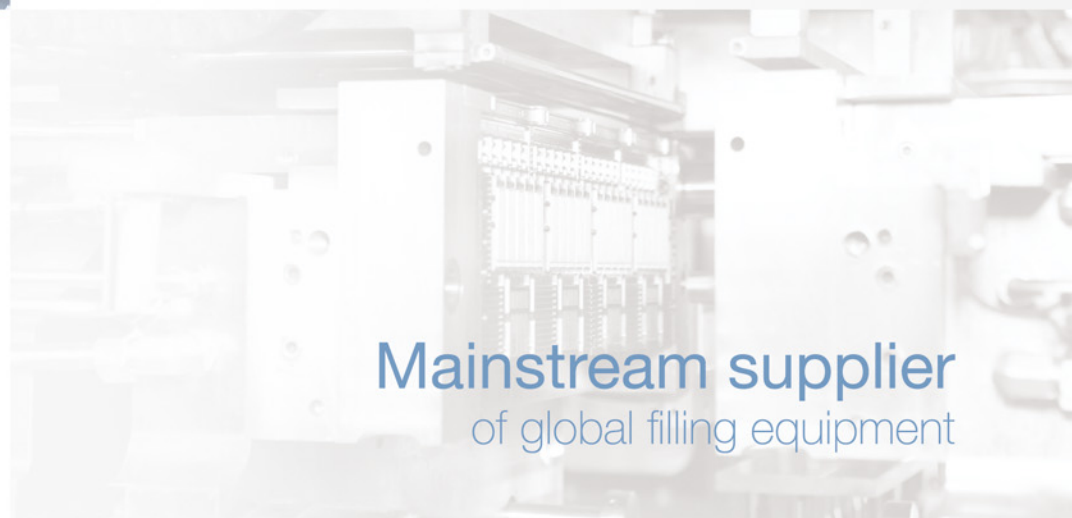
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TECHNOLOGY LEADER INDUSTRY MODEL





## Non-PVC Film Soft Bag Infusion Production Line

### Main application

Non-PVC film soft bag infusion production line is designed and manufactured by Highfine Engineering LTD, Which is based on foreign advanced technology and meets the requirements of domestic and foreign customers. Non-PVC multi-layer co-extruded film bag infusion, with the characteristics of non-toxic, strong compatibility with liquid, water barrier, long guarantee period, resisting 121 °C high temperature sterilization, anti-low temperature, easy to transport and empty bag recycling not pollute the environment, which has become the most popular soft bag infusion production line in the world.

### Main technical parameters

HSRD single hard tube series of soft bag infusion production line

Product model	HSRD1200	HSRD2500	HSRD3500	HSRD4500	HSRD6000
Output (pcs/h)	1200	2500	3500	4500	6000
Infusion bag specification (ml)	100-1000		100-2000		100-500
Bag width of infusion bag (mm)	120 135				
Filling accuracy	100ml±2% 250ml±1.25% 500ml±0.75% 1000ml±0.5% 2000ml±0.3%				
Power supply	380V 50Hz				
Power capacity (kW)	15	20	25	30	40
Total weight (kg)	2000	5000	6000	8000	10000
Overall dimensions (mm)	2940×2660×2250	6000×2660×2250	6100×2660×2250	7865×2660×2250	9090(10020)×2660×2250

HSRDS double hard tube series of soft bag infusion production line

Product model	HSRDS1000	HSRDS2000	HSRDS3000	HSRDS4000	HSRDS5000
Output (pcs/h)	1000	2000	3000	4000	5000
Infusion bag specification (ml)	100-1000		100-2000		100-500
Bag width of infusion bag (mm)	120 135				
Filling accuracy	100ml±2% 250ml±1.25% 500ml±0.75% 1000ml±0.5% 2000ml±0.3%				
Power supply	380V 50Hz				
Power capacity (kW)	18	25	30	40	50
Total weight (kg)	2000	5500	6500	8500	11000
Overall dimensions (mm)	2940×2660×2250	6000×2660×2250	6100×2660×2250	7865×2660×2250	9090(10020)×2660×2250



## HABL Series Ampoule Washing-Sterilization-Filling-Sealing Linkage Line



### Main application

The linkage line consists of HQCLA series vertical ultrasonic washing machine, HSDH series hot air circulation sterilization tunnel, HSA series filling and sealing machine. The model can be used in combination or in a single machine. The linkage line can complete water spray filling, ultrasonic cleaning and flushing (internal and external), CA flushing (internal and external), preheating, drying and sterilizing to remove heat source, cooling, before and after nitrogen, sealing after preheating, sealing and other processes.

This line can meet the size ranging from 1-20ml ampoule of washing, drying and sterilizing to remove heat source, filling and sealing requirements of the production process.

### Characterstics

Vertical ultrasonic washing machine using ultrasonic rough washing, circulating water, WFI and clean compressed air sprays and cleans the container alternately. Cleaning clarity and visible material detection effect is ideal; It is one of the most popular cleaning machine in the world today.

The sterilization tunnel adopts the principle of hot air laminar flow and high temperature sterilization process to preheat, dry, sterilize, remove heat and sterilization process. It is one of the most popular drying and sterilizing machine in the world.

Filling and sealing machine adopts step-by-step bottle conveying, positioning filling, wire drawing and sealing. The sealing rate is high. It is one of the most popular filling and sealing machine in the world.

The interlocking production line adopts PLC control and touch screen operation, which can be used for linkage control or stand-alone operation. The control runs stably and with high automation.

### Main technical parameters

Product model	HABL-6	HABL-8	HABL-10	HABL-12	HABL-16
Suitable sizes (ml)	1-20ml (ampoule)				1-10ml (ampoule)
Output (pcs/h)	6000-16000	8000-21000	10000-24000	12000-30000	16000-36000
Filling heads	6	8	10	12	16
Power supply	380V 50Hz				
Power capacity (kW)	78	78	80	90	90
Total weight (kg)	8900	8900	9400	9700	10100
Overall dimensions (mm)	9100×2200×2450	9100×2200×2450	9260×2200×2450	9910×2200×2450	10042×2200×2450



## HXLL Series Vial Washing-Sterilization-Filling-Stoppering Linkage Line



### Main application

The linkage line consists of HQCLA series vertical ultrasonic washing machine, HSDH series hot air circulation sterilization tunnel, HSFSG series filling and stoppering machine. The model can be used in combination or in a single machine. The linkage line can complete water spray filling, ultrasonic cleaning and flushing (internal and external), CA flushing (internal and external), preheating, drying and sterilizing to remove heat source, cooling, filling, sealing, capping and other processes etc.

This line can meet the size ranging from 2-30ml vials of washing, drying and sterilizing to remove heat source, filling and sealing requirements of the production process.

### Characterstics

Vertical ultrasonic washing machine using ultrasonic rough washing, circulating water, WFI and clean compressed air sprays and cleans the container alternately. Cleaning clarity and visible material detection effect is ideal; It is one of the most popular cleaning machine in the world today.

The sterilization tunnel adopts the principle of hot air laminar flow and high temperature sterilization process to preheat, dry, sterilize, remove heat and sterilization process. It is one of the most popular drying and sterilizing machine in the world.

The filling and stoppering machine adopts V shape block to transfer and reciprocating tracking filling which can ensure stable vials transfer, full time of filling and accurate filling volume, using the way of progressive stoppering to ensure high qualification rate. It is one of the most popular filling and sealing machine in the world.

The interlocking production line adopts PLC control and touch screen operation, which can be used for linkage control or stand-alone operation. The control runs stably and with high automation.

### Main technical parameters

Product model	HXLL-2	HXLL-4	HXLL-6	HXLL-8	HXLL-10	HXLL-12	HXLL-16	HXLL-20
Suitable sizes (ml)	2-30 (vial)							
Output (pcs/min)	20-60	40-120	60-200	100-250	120-300	150-400	200-500	280-600
Filling heads	2	4	6	8	10	12	16	20
Power supply	380V 50Hz							
Power capacity (kW)	79	79	90	92	108	108	115	132
Total weight (kg)	8500	8500	8800	9300	9900	10200	10800	11800
Overall dimensions (mm)	9050×2200×2450	9050×2200×2450	9700×2200×2450	9700×2200×2450	10850×2200×2450	10850×2200×2450	11770×2200×2450	13653×2200×2450