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HSP-Serial New Technology Lavazza Point Machine

(high quality meet EURO machine standard)



Brief Instruction:

HSP Series Model Coffee Capsule Filling Sealing Machine (use for Lavazza Point capsule, Kcup, Nespresso, Dolce Gusto etc) is the latest Version Machine, High speed and high quality meet EURO machine standard, this model machine is design specially for Lavazza Point capsule Filling and Sealing. Its material use is better than previous machines; Components use top brand.

* The whole machine stainless steel frame; Organic glass; six columns mould structure; Fixed castor and mobile pulley.



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- * Photoelectric detection the location of empty capsule storage , If the capsule storage is not enough, machine will alarm to feed Lavazza Point capsule. and machine will automatic stop without capsules,
- * Coffee servo screw filling, the filling volume can be adjusted on Touch screen, no cup no filling, lack of coffee in hopper, vacuum feeder automatically open to load coffee into the hoper of machine automatic
- .
- * **Liquid Filling system. (additional function) for fill different flavor into coffee.**
- * Automatic cutting and sealing filter paper from roll., No cup no cutting and no sealing.
- * Twice Sealing, Omron temperature controller to adjust the temperature.
- * Automatic mechanical grasp the finished capsules to the conveyor belt. Substandard coffee cup does not grasp and fall into the collection of waste bucket .

Main Working Process:

- ☆ Special Loading Lanes for capsules
- ☆ Automatic drop empty Lavazza Point to machine
- ☆ Automatic detect whether Lavazza Point well loated on the machine by sensor.
- ☆ Auto Feed the fitler paper roll on the machine
- ☆ Auto cut filter paper from roll paper and welded into inside bottom of Lavazza Point.
- ☆ Automatic Nitrogen flush
- ☆ Servo motor to fill coffee while vibrating, weight around 5-20g (can be adjust), while filling and Nitrogen flush.
- ☆ Automatic Nitrogen flush
- ☆ Auto cut filter paper from roll paper and sealing on the top of Lavazza Point.
- ☆ Auto Seal the paper lids
- ☆ Automatic mechanical grasp the finished product to conveyor (connect to the conveyor)
- ☆ Transport to the bag packing machine
- ☆ Packing in bag



Technical Parameter:

NO.	Model	HSP-2	HSP-4	HSP-6
1	Speed	Over 4500Cups/hour	Over 8400Cups/hour	Over 12000Cups/hour
2	Working station	2lanes	4lanes	6lanes
3	Filling range	0-20grams	0-20grams	0-20grams
4	Filling accuracy	±1.5%	±1.5%	±1.5%
5	Voltage	Three Phase 240V 60HZ / 7KW, can be custom-made according to customer requirement.		
6	Air pressure / gas consumption	≥0.8Mpa / 0.1m ²	≥0.8Mpa / 0.1m ²	≥0.8Mpa / 0.1m ²
7	Working Temperature	5-35°C	5-35°C	5-35°C
8	Relative humidity	≤85%	≤85%	≤85%
9	Machine size	L 4800mm* W1000mm* H2550mm	L 4800mm* W2300mm* H2550mm	L 5000mm* W2900mm* H2550mm

Configuration List:

No.	Name	Qty	Brand	Origin
1	PLC	1	OMRON	Japan
2	Motion Control Module	1	OMRON	Japan
3	Extended Module	1	OMRON	Japan
4	Transducer	1	OMRON	Japan
5	Switching Power	1	OMRON	Japan
6	Temperature Controller	8	OMRON	Japan



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7	Solid-state Relay	8	OMRON	Japan
8	Touch Screen	1	OMRON	Japan
9	Encoder	1	OMRON	Japan
10	Switching Power	1	OMRON	Japan
11	Transducer	1	OMRON	Japan
12	Servo Drivers	7	OMRON	Japan
13	Servo Motor	7	OMRON	Japan
14	Proximity Transducer	8	OMRON	Japan
15	Photoelectric Sensor	12	OMRON	Japan
16	Motor Reducer	1	LIMING	Taiwan
17	Breaker	1	Schneider	France
18	Breaker	2	Schneider	France
19	Breaker	5	Schneider	France
20	Breaker	1	Schneider	France
21	Midget Relay	12	IDEC	Japan
22	Signal Light	1	PATLITE	Japan
23	Load Switch/Operating Handles	1	EATON	Germany
24	Emergency Stop Switch	2	EATON	Germany
25	Button Switch	2	EATON	Germany
26	Button Switch	2	EATON	Germany
27	Button Switch	2	EATON	Germany



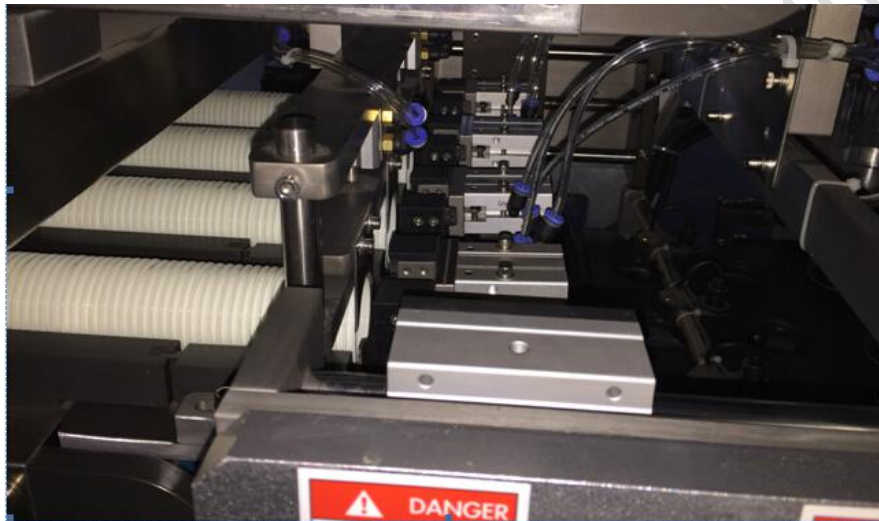
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28	Solenoid Valve	18	SMC	Japan
29	Vacuum Generator	4	SMC	Japan
30	Vacuum sucking disc	2	SMC	Japan
31	Filter reducing valve	1	SMC	Japan
32	Cylinder	3	SMC	Japan
33	Rodless Cylinder	2	PARKER	Germany

Machine Detailed Show:

1. Capsles dropping system :



2. Bottom Filter Welding on Lavazza Point System



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3. Coffee Filling System:

4. Liquid Filling



5. Coffee Filling Head:



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6. Vacuum clean the edge of cup:



7. Sensor for lids:



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8. Top Sealing from roll paper:





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9. Auto Grasp The Finished Kcup to Conveyor:





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Finished capsules:

