

120C automatic PU Foam aerosol filling assembly line

1. Purpose and features

The 120C aerosol filling assembly line is mainly designed for PU foam filling. PU foam is one of the most popular products in the home furnishing areas. Flexible usage and good market potential has attracted many investors.

To set up such business seems hard? With our HDC 120C PU Foam Aerosol Filling Machine Assembly Line, the whole work turns rather easy. For aerosol filling producing, the assembly line will finish: can arranging, MDI/PPG liquid filling, sealing and DME/LPG filling(propellant), capping, can printing, carton sealing and strap packing.

All core machinery parts is quality brands such as Siemens PLC system and Schneider low voltage component.

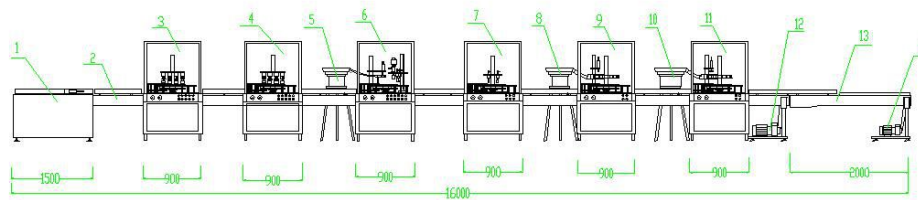
This aerosol filling assembly line gives excellent performance in PU foam filling. And the layout of the line can be adjusted according to your factory. We can organize the assembly line in different shape like "U" shape or "S" shape.

2. Composition and parameters

Outline (L*W*H)mm	12500*1800*1900
Capacity (cans/hr)	1800-3000
Liquid fill (ml)	50-1000 (customized)
Gas fill (ml)	20-500 (customized)
Repeated filling accuracy	0.5%
Diameter of cans (mm)	35-65 (customized)
Height of aerosol can (mm)	80-350 (customized)
Valve (mm)	25.4(1 inch)
Working pressure (MPa)	0.65-1
Max. gas consumption (m ³ /min)	5.5

3. Basic structure and working principle

The production line consists of automatic can arrange machine, valve arrange machine, white raw material filling host, black raw material filling host, automatic valve inserting, sealing, gas filling host, double filling system, automatic screw cap pressing host, automatic plastic cap pressing host, automatic ink-jet transfer line, packaging platform and conveying rail. The automatic can arranging machine allows the aerosol cans in the stacking area to be arranged and transfers them to the main rail in order. After entering the host, aerosol cans are led via guide plate into the indexing transmission of the host and subject to equal-angled intermittent circular movement, passing each filling head. After filling, aerosol cans are led again via the indexing transmission of the host into the main conveyor belt until all the works are finished.



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1. Container sorter; 2. Container sorter bench; 3. Main transfer rail; 4. Transfer rail fence; 5. Automatic valve sorter; 6. Hopper of valve sorter; 7. Double filling system; 8. Pressure gage; 9. Lifting column; 10. Automatic valve feeder; 11. Closing machine; 12. Double aeration system; 13. Indexing transfer system; 14. Switching control panel; 15. Transfer rail; 16. Support frame; 17. Packaging platform; 18. Rear support frame; 19. Motor of main conveyor belt