120B automatic high-speed aerosol filling line

1. Purpose and features

The 120B series automatic aerosol filling line includs whole aerosol filling procedure: can arranging, inserting valve, filling and sealing in rotary table, weight checking, leakage detection(water bath), nozzle pressing, cover capping, text printing, carton sealing and strap packing.

All core components is Siemens and Schneider branded, the assembly line is a convenient & stable choice for many aerosol producers. No matter you are experienced or new to the aerosol business, this aerosol line will relase you from the production quality control and give entrepreneur more time to do the marketing job.

It's widely used and applicable to different liquid and gas, including water, oil, paint, foam cleaner, cosmetics... We can also offer filling solutions for medical meterial and food which will meet the hygiene and safety requiements.

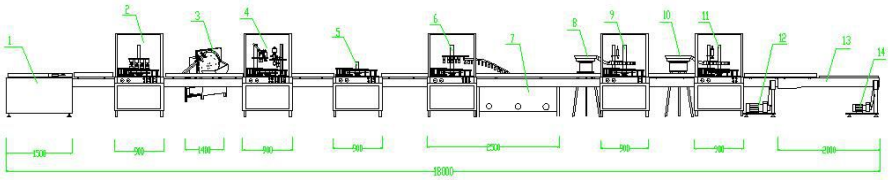
2. Composition and parameters

Outline (L*W*H) (mm)	18000*1800*1900
Capacity (cans/hr)	2000-3200
Liquid fill (ml)	50-1000（可定制）
Gas fill (ml)	20-700（可定制）
Repeated filling accuracy	1%
Diameter of cans (mm)	35-65（可定制）
Height of aerosol can (mm)	80-350（可定制）
Working pressure (MPa)	0.6-1
Max. gas consumption (m^3/min)	5.5

Valve size (mm) 25.4(1inch)

3. Basic structure and working principle

This line consists of can arranging machine, automatic valve sorting machine, filling host, automatic valve inserting, sealing, gas filling machine, automatic weight checker machine, automatic water bath machine, automatic nozzle presser machine, automatic cap pressing machine, automatic ink-jet print 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, After filling, aerosol cans are led again via the indexing transmission of the host into the main conveyor belt for the preparation of next production, until to the packing platform.



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