

BEVS 1826 Automatic Panel Sprayer

Can be used in accordance with: ASTM D823/A, GB/T 1727-92



BEVS Automatic Panel Sprayer are highly automated spraying devices designed to quickly produce uniform and consistent coatings, ensuring reliable testing and evaluation results. Widely used in industries such as automotive, aerospace, 3C electronics, furniture, appliances, crafts, and other coating application fields.

High Efficiency: It can prepare multiple test panels simultaneously, avoiding the time loss and low efficiency of manual spraying.

Superior Coating Quality: With precise spray-path control, it eliminates the deviations and uncertainties common in manual spraying and ensures excellent repeatability.

The machine is equipped with a 10-inch high-definition touchscreen for simple operation. It supports one-button start for fully automatic spraying, and one-button rapid spray-gun cleaning for quick material or gun changes. As an advanced, intelligently programmed spray-coating solution, it is the ideal choice for laboratory coating preparation in the coatings and materials industry.

Working principle: The system delivers coating material through a pressurised feeding unit to the spray gun, where it is atomised into fine droplets. The atomised coating is then deposited onto the substrate through programmable motion control. The machine integrates a feeding system, atomisation spray gun, control module, and motion mechanism, enabling automatic and repeatable spray application that replaces manual spraying.

Features

- Quick-change spray gun with automatic cleaning function
- 10-inch high-definition touchscreen design
- Intelligent programmable spraying process
- Three-axis fully automatic spraying
- Simultaneous spraying in two directions
- Automatically adjustable nozzle distance from the sample
- Fully automatic control of spray width, atomisation, flow rate, pressure, and stirring pressure
- Pressure tank equipped with a stirring system; paint can be stirred according to settings
- Dual-gun, dual-stirring system can be freely combined and selected
- Program supports quick import and export; multiple machines can share the same program
- Supports offline and online remote programming
- Clean-free pot unit for quick sample replacement

Technical Specifications

Parameter	Specification
Gun distance	150 - 250 mm (manual adjustment)
Spraying speed	20 - 500 mm/s
Atomising air pressure	0 - 0.6 MPa
System air pressure	0.7 MPa
Flow rate pressure	0.01 - 0.2 MPa
Spraying area	Max 300 x 450 mm / 9 pcs standard panel 100 x 150 mm
Spray gun type	Auto spray gun / manual spray gun
Spray gun structure	Dual-gun combination, disposable clean-free pot unit
Equipment dimensions	(L) 1028 x (W) 1040 x (H) 1703 mm (including extension rod)
Power supply	220 V / 0.6 kW (two-phase four-wire)

Packing List

BEVS 1826 Automatic Panel Sprayer (including one panel holder)

Accessories

Optional	Description
Panel holder	Multi-purpose mesh panel holder, vacuum panel holder, magnetic panel holder, clamp panel holder, or customised panel holder
Water curtain cabinet	Dry water curtain cabinet