

KR BM Cevval K

Two Arm Reciprocating Spray Machine

Professional solution in boutique painting



KR BM Cevval K is a new-generation automatic spray machine, designed and developed to achieve high-quality finishing on any kind of panel material, and it differs from its equivalents through its superior features and technology. Equipped with two servo-controlled oscillating arms, it provides high-quality and rapid painting of wood, metal, glass, plastic, fibre cement and more. Thanks to its paper belt system it does not create chemical disposal waste, and its cleaning is much simpler.

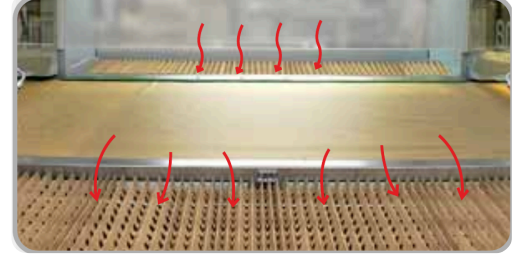
/ Standard Features

■ MOVING IN & OUT GLASS DOORS

Glass covers that move automatically (up-down) according to the product thickness at the entrance and exit of the machine provide great support in keeping the pressure stable inside the cabin. The stability of the pressure inside the cabin prevents dust from escaping the machine or entering from outside. This patented feature is not available on equivalent machines.

■ ASPIRATION AND VENTILATION SYSTEM

Overspray is drawn through two-stage dry filters. The large filtering surface area ensures better air distribution, which translates into uniform finishing and a cleaner machine. Inverter-controlled tube-axial fans, which pump clean air inside the cabin through the F5 filters, are located on the top of the machine. This system provides optimum pressure inside the cabin.



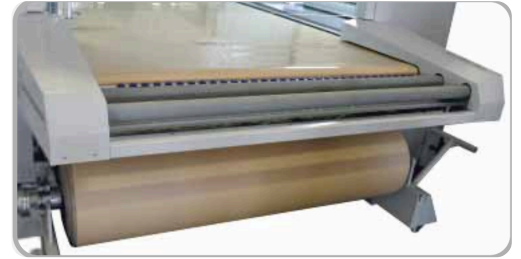
■ PRODUCT SCANNING SYSTEM (READING BARRIER)

A 32-piece sensor beam positioned under the motorized feeding rollers ensures millimetric precision in determining the section that will be painted. It minimises the wastage of paint.



■ FEEDING SYSTEM

The feeding system consists of a paper unwinding device with an adjustable brake for clean paper and an independent, torque-controlled, motor-driven winding device to take up the paper after spraying.



■ CONTROL SYSTEM

A 10" colour touch screen, which allows all functions and operating parameters to be both controlled and memorized, is provided as standard. All production data can be tracked online via the optional IoT system, which can also send daily production reports.



■ SPRAYING SYSTEM

One high-pressure pump and four high-pressure guns are provided as standard, and the infrastructure is ready to connect up to 8 guns and 2 pumps as needed. The machine is equipped with two painting arms, whose movement speed can be adjusted automatically via the touch screen. The painting arm stands out from its competitors thanks to a design that allows easy adjustment of gun height and angles, and to its strong structure moving on two linear rails.



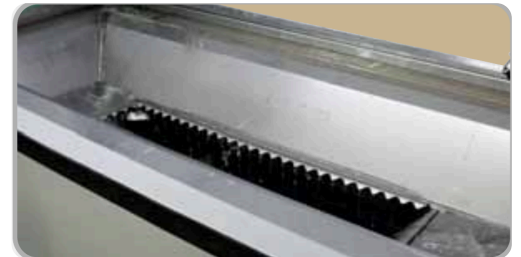
■ AUTOMATIC LUBRICATION SYSTEM

This system ensures smooth and long-lasting operation of the reciprocating arms by automatically lubricating the linear bearings and guides.

OPTIONAL FEATURES

■ WATER FILTRATION SYSTEM

The water filtration system filters the dirty air inside the cabin through water curtain channels, filtering out chemicals and solvents so that only harmless gases are released.



■ SPRAY POT

Paint consumption can be minimized by using the paint in spray pots with low-pressure guns instead of the high-pressure pump and guns. This system is recommended as an option for boutique-style production.



■ EXTRA HIGH PRESSURE PUMP-GUNS SET (OPTIONAL)

An extra set of 1 high-pressure pump and 4 high-pressure guns is offered as an option for producers who want to work with redundancy or to separate the circuits of the varnish and the paint.

■ EXTRA LOW PRESSURE PUMP-GUN SETS (OPTIONAL)

An extra set of low-pressure guns and pump can be installed on the machine if required – an option for customers who want to apply stain.

/ Technical Specifications

Model	KR BM Cevval K
Type	Two Arm Reciprocating Spray Machine
Weight	4,500 kg
Dimensions (L × W × H)	5,400 × 5,250 × 2,650 mm
Electricity Consumption	13 kW/h
Working Width	50 – 1,300 mm
Working Height	3 – 100 mm
Working Length	300 mm – Unlimited
Aspiration Fan Flow Rate	12,000 m³/h
Ventilation Fan Flow Rate	12,000 m³/h
Air Consumption	1,100 L/min
Air Pressure	7 bar
Max. Robot Arm Speed	150 m/min
Max. Conveyor Speed	8 m/min
Optimum Dyeing Speed Range	3 – 6 m/min

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Supplier

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