

Highlights

- Maintenance-free air bearing for reliable, continuous high-speed operation.
- Finer atomization and 30% higher transfer efficiency than air spray guns.
- Automotive-grade high-speed electrostatic rotary bell technology..
- Paint flow rate :500 cc/min; speed: up to 50,000 rpm..
- Insulated body for water- and solvent-based Paint



Features

- **Multi-purpose rotary bell design:** simple maintenance, compatible with various paints, including water and solvent-based paints.
- **Fine Atomization & High Transfer Efficiency:** High-speed centrifugal atomization combined with uniform spray coverage and electrostatic repulsion atomization.
- **Adjustable spray pattern:** Pattern airflow remotely adjusted based on the size, shape, and characteristic of the object and paint.
- **Externally valves for easy maintenance:** The paint on/off valve, return valve, and dumping valve are allowing repair personnel to troubleshoot without disassembling the spray gun.
- **Easy to maintain:** The pipeline and spray gun protective cover prevent contamination of the spray gun and pipeline.
- **Internal high voltage electrostatic system:** Eliminating high-voltage cables, which increases safety.
- **External high voltage electrostatic system:** Compatible with both solvent and water-based paints, especially in multi-gun systems, one HV device can supply multiple spray guns.
- **Lightweight bell gun:** Particularly suitable for multi-gun installations on a reciprocator, with a lightweight design that reduces the load on the machine, resulting in fewer malfunctions.
- **Optional speed display :** Built-in fiber-optic speed sensor with digital RPM readout.
- **Optional constant speed control:** Speed is set through the HMI and auto maintained under both loaded and unloaded conditions via closed-loop control.



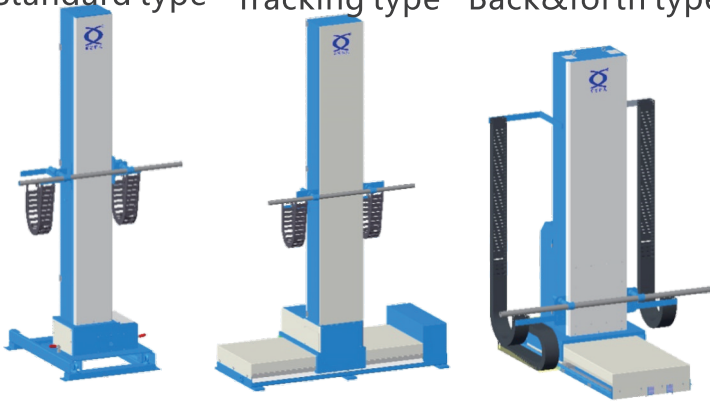
Capable for solvent base and water base paint !
2D computer control only trigger on the spray gun
when there are workpieces, saving paint!
Heat treatment grinding linear slider reciprocator,
stable, never wears out!



□ The specifications in this product catalog are for reference only.
Please refer to the quotation or contract for final specifications.

Type	RA22A	RA22B
HV type	External HV	Internal HV
HV controller	HMI/ E-Box	IPS930
HV cascade	CC852E	CC751B
Spray gun	LxDia.(mm)	570xφ100
	Weight(kg)	1.8kg
Bell cup	Dia. (mm)	50mm (Optional 70mm)
	Max. flow rate	500cc/min
Motor	Type	Air bearing
	Rotation speed (rpm) with bell cup at A/P 3.5Kg/cm ²	Max.50000
	Air consumption	0.8Nm ³ /min
Valve	Clean valve	External Type (Sold Separately)
	Paint valve	External Type (Sold Separately)
	Dump valve	External Type (Sold Separately)
Resistance	50Meg-Ohm	-
Spray gun protect cover	Include	Include
Speed sensor	Optional	Optional
Application	Solvent/water based	Solvent based
Weight(Gun with bracket)	2.4 Kg	2.7 Kg

VR Standard type VR-T Tracking type VRF-B Back&forth type



Electric reciprocator specification				
	Vertical			Horizontal
Model	VR	VRF	VRF-2	HR
Stroke type	Variable	Fix	Fix	Variable
Chain quantity	1	1	2	1
Track design	Linear guideway			
Inertial absorption	Balance block	None	Balance block	None
Payload(Kg)	40	40	60	15
Max. stroke(M)	STD 1.5/2.0, Non-STD 2.5/3.0			
Speed(M/Min.)	15-45	15-60	15-60	0-30
Back/forth motion	STD 500mm manual Optional:Electric			
C/Y tracking 800mm	Inverter/Servo			
Safety protection class	IP55			
Motor rated voltage	STD 380V, 3P, 50/60 Hz. Non STD: other voltage, Explosion-proof, Servo motor			

Paint metering system

Slide seats of back&forth type and tracking type use slide guide way and mechanical seals.

							
	Solvent base paint			Water base paint(Insulation)			
Combination No.	10#	20#	30#	10i#	20i#	30i#	40i#
Gear pump unit	General	One drive multi	Servo motor	Insulation	One drive multi	Servo motor	Sealing type
Specification	Explosion proof			Explosion proof			
Gear pump	Alloy steel/stainless steel DLC/tungsten steel			stainless steel DLC/tungsten steel			
Motor	Exp. AC Inverter		AC servo	Exp. AC Inverter		AC servo	Exp. AC
Installation	Vertical Wall mount	Floor mount	Vertical Wall mount	Vertical Wall mount	Floor mount	Vertical Wall mount	Floor mount

Paint pump VS. Paint supply station

						
Double diaphragm pump				Paint supply station		
N1.068 Fiber nylon	S1.068 Stainless steel	A1.068 Aluminum	A1.288 Full set	PS4 Water tray	PSiA Insulation table	PSiD Insulation cabinet

Application cases

