

Advantage:

High flow rate bell cup design!

Max. flow rate for low viscosity paint is 500cc/min..

Rotation speed can be maintained at 35,000RPM.

Particularly suitable for high-speed spraying and required high rotation speed paint applications.



- **Large bell cup, high rotation speed:** Big air turbine with powerful atomization ability and fast operation speed.
- **Tungsten steel paint valve design:** On/off once per second, long work life, easy external disassembly for maintenance.
- **Spiral airflow design for spray pattern:** Remote adjustment of spiral airflow intensity based on workpiece size, structural shape, and paint characteristics, achieving optimal large-area spraying, corner spraying, and metallic paint spraying.
- **Uniform ultra-fine atomization, high transfer efficiency:** High-speed centrifugal atomization combined with uniform spray coverage and electrostatic repulsion atomization, forming ultra-fine and smooth paint film, with coating efficiency reaching 90%.
- **Integrated valves for energy saving and emission reduction:** Paint on/off valve, return valve, and dump valve are all integration, minimizing paint and solvent consumption and reducing operation time.
- **Automatic internal and external cleaning of bell cup:** No need to enter the spray booth for manual cleaning.
- **Insulated gun body design:** Suitable for a wide range of paints, improving electrostatic painting effects.
- **Electrostatic insulating ring design:** Suitable for metallic paints and highly conductive coatings.
- **Speed display, constant speed optional feature:** Built-in rotational speed measurement optic fiber cable and electronic speed readout. Automatic maintenance of constant speed through closed-loop electronic control.
- **Easy maintenance:** Pipeline and gun protection sleeve prevent pollution, maintaining a clean appearance and facilitating cleaning with paint-proof plastic paper.
- **Safety:** Built-in high-voltage system with no high-voltage cables, enhancing safety.



Capable for solvent base and water base paint !

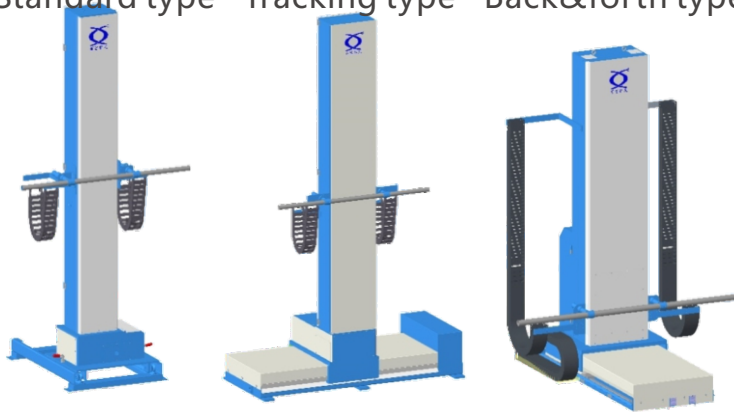
2D computer control only trigger on the spray gun
when there are workpieces, saving paint!

Heat treatment grinding linear slider reciprocator,
stable, never wears out!



Type	RA20A	RA20B
HV type	External HV	Built-in HV
HV controller	BPS100	IPS920/930
Spray gun	LxDia.(mm)	445xφ132
	Weight(kg)	4.5kg
Bell cup	Dia. (mm)	65mm
	Max. flow rate	500cc/min
Motor	Type	Air turbine
	Rotation speed load at air pressure 5kg/cm ²	Max.35000
	Air consumption	0.9Nm ³ /min
Valve	Clean valve	Include
	Paint valve	Include
	Dump valve	Optional
Resistance	50Meg-Ohm	Built-in
Spray gun protect cover	Include	Include
Speed sensor*Optional	Include	Include
Weight(Gun with bracket)	7.4Kg	8.0Kg

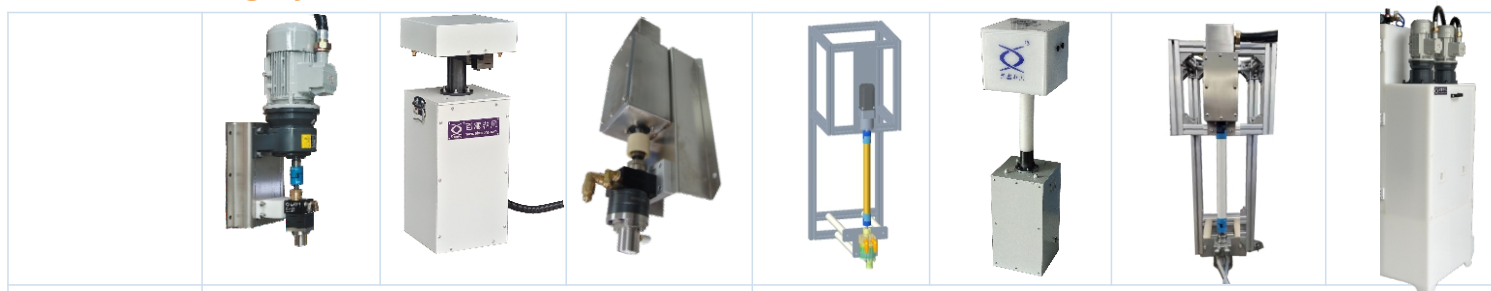
VR Standard type VR-T Tracking type VRF-B Back&forth type



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	PSiB Insulation table	PSiD Insulation cabinet
-----------------------	---------------------------	--------------------	--------------------	-------------------	--------------------------	----------------------------

Application cases

