

### Advantage:

- ☆ High flow rate bell cup design!
- ☆ Max. flow rate for low viscosity paint is 700cc/min.
- ☆ Rotation speed can be maintained at 70,000RPM.
- ☆ Spray speed is twice that of traditional bell spray gun.
- ☆ Particularly suitable for high-speed spraying and high rotational speed water-based paint applications.



RA30 Long Type

RA36 Short type

- 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, surface 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!

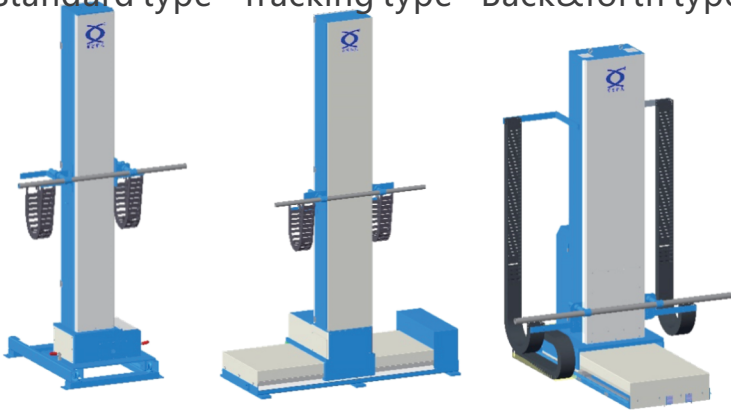
Heat treatment grinding linear slider reciprocator, stable, never wears out!



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

Type		RA30A	RA30B	RA36A
HV type		External HV	Built-in HV	External HV
HV controller		BPS100	IPS920/930	BPS100
Spray gun	LxDia.(mm)	445xφ132	445xφ132	330xφ105
	Weight(kg)	4.5kg	6.5kg	3.8kg
Bell cup	Dia. (mm)	65mm	65mm	65mm
	Max. flow rate	700cc/min	700cc/min	700cc/min
Motor	Type	Air turbine	Air turbine	Air turbine
	Rotation speed (rpm) at 700cc/min.	Max.70000	Max.70000	Max.70000
	Air consumption	0.9Nm <sup>3</sup> /min	0.9Nm <sup>3</sup> /min	0.9Nm <sup>3</sup> /min
Valve	Clean valve	Include	Include	Include
	Paint valve	Include	Include	Include
	Dump valve	Optional	Optional	Optional
Resistance	50Meg-Ohm	Built-in	50Meg-Ohm	
Spray gun protect cover		Include	Include	Include
Speed sensor*Optional		Include	Include	Include
Weight(Gun with bracket)		7.4Kg	8.0Kg	5.8Kg

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. NonSTD:othervoltage, 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			None explosion proof			
Gear pump	Alloy steel/stainless steel DLC/tungsten steel			stainless steel DLC/tungsten steel			
Motor	AC Inverter		AC servo	AC Inverter		AC servo	AC Inverter
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

