











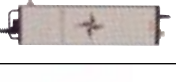

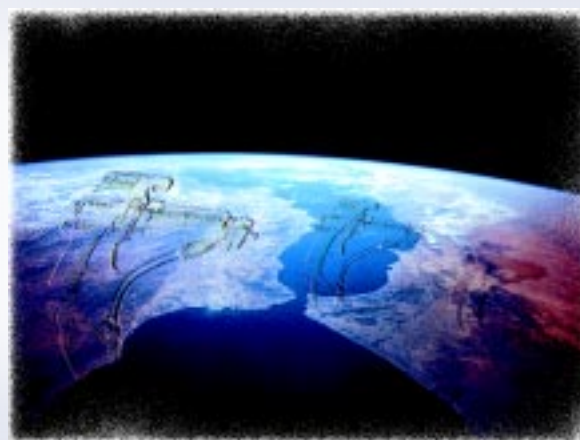


	Adjust Tip Voltage	Voltage Input VAC	Cable fault Indicator	Analog Output Current	Independent Kv & Microamp Meters
 9040 Cascade	0-65 kV max.	240	Yes	Yes	Yes
 Aviator	0-65 kV max.	-	No	No	No
 9040 Classic	0-65 kV max.	240	Yes	No	Yes
 9040 Cascade	0-85 kV max.	240	Yes	Yes	Yes
 Aviator	0-85 kV max.	-	No	No	No
 9040 Classic	0-85 kV max.	240	Yes	No	Yes
 9040 Classic	0-100 kV max.	240	Yes	No	Yes
 9040 Cascade	0-85 kV max.	240	Yes	Yes	Yes
 Aviator	0-85 kV max.	-	No	No	No
 9040 Classic	0-85 kV max.	240	Yes	No	Yes
 9040 Classic	0-85 kV max.	240	Yes	Yes	Yes
 9040 Cascade	0-85 kV max.	-	No	No	No
 Aviator	0-85 kV max.	-	No	No	No
 9040 Classic	0-85 kV max.	240	Yes	No	Yes

A world of difference...

At ITW Ransburg, we believe that we can all make a difference to improving our environment.

We conscientiously design products that reflect our concern and commitment to making our world a better place for future generations.



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Electrostatic Spray Guns Selection Guide

Electrostatics - how does it work?

It's quite simple, really. Our aim is to eliminate wasteful overspray and get as much coating material on target as possible. This is achieved by negatively charging atomized paint particles so that they are attracted to the grounded workpiece, opposites attract.

A charging electrode is located at the tip of the electrostatic spray gun. The paint is atomized as it moves past the electrode and its particles become ionized - negatively charged. An electrostatic field is created between the charging electrode and the grounded workpiece, and the spray is concentrated within it.

Further atomization is achieved as charged particles repel each other to form a fine cloud. As a result of electrostatic attraction, spray that would normally be lost ends up on the back and sides of the workpiece to produce a 'wrap-around' effect.

Why electrostatics...

Because it significantly increases quality and production, equally decreases paint costs, VOC emissions and maintenance, and makes change of coatings easy.

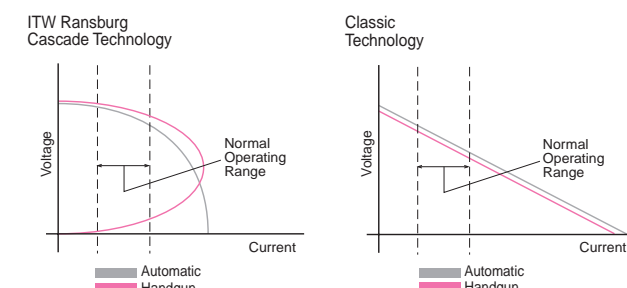
Use electrostatic when...

you want to achieve maximum transfer efficiency, minimize coating waste and VOC emissions, while achieving maximum paint wrap, high production and high flow rates.

The advantages are...

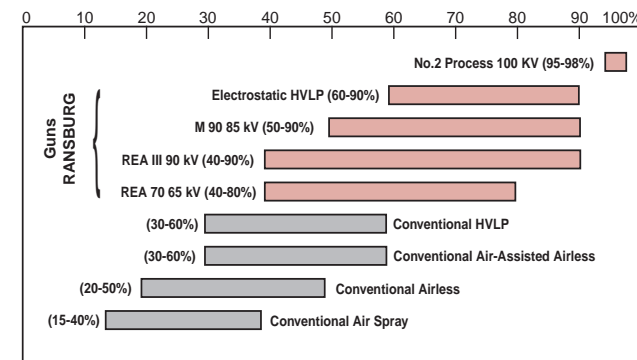
increased transfer efficiency and reduced overspray, which results in significant cost savings and reduced VOC emissions. We build our guns with the operator in mind. With flexible, lightweight low voltage cords, there's less stress and fatigue for the operator and a more consistent part-to-part quality.

Typical operating curves



Transfer efficiency

Transfer efficiencies are higher with electrostatic guns. Refer to the chart below for specific data.



This chart represents typical equipment transfer efficiencies, but not every installation. Conditions may vary due to particular installation which will alter these numbers.

State-of-the-art technology...

with new modular design. ITW Ransburg has been the leader in electrostatics for years. With proven componentry and circuitry in power supplies and the added benefit of a new modular design... it's a combination that can't be beat.

The new 9040 Cascade Control Unit has the added benefit of putting total control at your fingertips. With its unique design, it provides the ability to monitor fluid flow and control pneumatics.











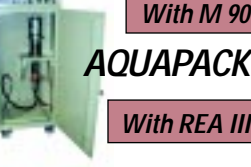

9040 Cascade Control Unit



9040 Classic Control Unit

Aviator Control Unit

Electrostatic Hand Guns

	Typical Applications	Spray Type	Weight	Length	Waterborne	High Voltage Technology	Nozzle/Tip Bell Sizes	Maximum Fluid Delivery	Maximum Fluid Pressure	Hose/Cable Lengths	On/Off Switch
	Tier 1, appliance, metal furniture, automotive	Air Spray or HVLP Spray	845 gr	240 mm	No	Cascade Aviator	1,2 / 1,5 / 1,8 (mm)	up to 1 000 cc/min.	7 bar	7,5m / 11m / 15m / 25m / 30m	Yes
	Tier 1, appliance, metal furniture, automotive	Air Spray or HVLP Spray	570 gr	240 mm	No	Classic	1,2 / 1,5 / 1,8 (mm)	up to 1 000 cc/min.	7 bar	7,5m / 11m / 15m / 25m / 30m	No
	Tier 1, appliance, metal furniture, automotive, wood	Air Spray or HVLP Spray	851 gr	250 mm	Yes	Cascade Aviator	1,2 / 1,5 / 1,8 (mm)	up to 1 000 cc/min.	7 bar	7,5m / 11m / 15m / 25m / 30m	Yes
	Tier 1, appliance, metal furniture, wood	Air Spray or HVLP Spray	737 gr	250 mm	Yes	Classic	1,2 / 1,5 / 1,8 (mm)	up to 1 000 cc/min.	7 bar	7,5m / 11m / 15m / 25m / 30m	No
	On-site furniture refinishing plant maintenance	N° 2 Process (Elec. Atomiz.)	1588 gr	508 mm	No	Classic	60 / 100 / 150 (mm)	75-180 cc/min. (depending on bell size)	0,5 bar	7,5m / 11m / 15m / 25m / 30m	-
	Off-road vehicles, Farm & construction machinery, aircraft, wood	Air-Assisted Airless	907 gr	254 mm	Yes	Cascade Aviator	.009", .011", .013", .015", .018", .021", .026"	up to 1 000 cc/min.	193 bar	7,5m / 11m / 15m / 25m / 30m	Yes
	Off-road vehicles, Farm & construction machinery, aircraft, wood	Air-Assisted Airless	822 gr	254 mm	Yes	Classic	.009", .011", .013", .015", .018", .021", .026"	up to 1 000 cc/min.	193 bar	7,5m / 11m / 15m / 25m / 30m	No
	Farm & Construction, Wood, Transportation	Air-Assisted Airless	71 kg	-	No	Cascade Classic / Aviator	-	-	-	11m / 15m / 25m	-
	Tier 1, appliance, metal furniture	Air Spray or HVLP Spray	50 kg	-	No	Cascade Classic / Aviator	-	-	-	11m / 15m / 25m	-
	Farm & Construction, furniture, automotive	Air-Assisted Airless	130 kg	-	Yes	Classic	-	-	-	11m / 15m / 25m	-
	Tier 1, appliance, metal Wood, Transportation	Air Spray or HVLP Spray	100 kg	-	Yes	Classic	-	-	-	11m / 15m / 25m	-