



NOVA VERTA




VORTEX SYSTEM

www.paintbooth.com

1-800-637-4027



NOVA VERTA

For advanced flashing &
curing of waterborne and
conventional paint systems

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The
VORTEX
System
Adapts
For All
Makes
And
Models

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VORTEX SYSTEM

It's no secret that increasing your revenue goes hand-in-hand with increasing productivity. That's why Nova Verta, the industry leader in spray booth applications, has engineered the Vortex System. This advanced flashing and curing system for waterborne and conventional paint is designed to fit any spray booth or prep station.

600 Feet per Minute

The heart of the Vortex System by Nova Verta is two uniquely-designed, adjustable, ring-shaped nozzles. These nozzles release a minuscule amount of compressed air – yet each achieves air flow of 600+ feet per minute with just 40 PSI and 12 CFM. The near-sonic velocity of air released through the front of the nozzle creates a strong vacuum behind itself, pulling already heated and filtered booth air through the rear vortex, while pushing the ambient air in front.

Timely Coverage

When aimed at the front or rear corner of a vehicle, just two nozzles cover the back or front and the entire side of the vehicle. Specially-designed mounting hardware provides you with unlimited aiming capabilities. Standard mounting components allow the nozzles to be positioned vertically on the

side or rear booth walls. Optional mounting components allow horizontal mounting of the nozzles. The entire system typically installs in less than half a day. It's ideal for any brand of booth that lacks sufficient air flow, or for slashing the time needed for flashing of waterborne paints.

Safe & Easy

The Vortex System is extremely safe because it operates without the need for electricity inside the booth and it has no moving parts.

Unlike noisy, multi-nozzle fan blower systems and ceiling fans, which both require time-consuming and expensive maintenance, the extremely quiet Vortex System has no filters and needs very little maintenance (when needed, is merely a quick wipe of each nozzle).



Put to the Test

Nova Verta has tested the Vortex System in booths equipped with ceiling fans and air blower systems manufactured by competitive companies. By adding the Vortex System to these booths with these types of accelerated drying systems, flash times were found to be 40 to 50% faster with the Vortex System.

The Vortex System has been tested with all major brands of paint material. As a result, many paint manufactures are recommending the Vortex System to their customers as being the most efficient, fastest and lowest maintenance system available.

Wait Less Earn More

Don't sit around waiting for paint to flash. Stop paying your technicians to hand blow or move portable stands up and down the car. Using portable stands for flashing takes three times as long

because the stands have to be moved multiple times. Stands can also fall over or on to the vehicle and create damage that costs more to repair than the initial job is worth. Install the Vortex System by Nova Verta today and raise your bottom line by increasing production and lowering your energy cost.

NEW Convection Cure

Shorten cure times 30 to 40% using the new Vortex System's Convection Cure option. After applying the clear coat, Convection Cure begins with a press of a button. First, the programed delay period allows the clear coat to tack. Next, using the Vortex System's nozzels, Convection Cure outputs just enough minimal air to create a convection oven-type booth environment that allows quicker required metal temperatures and even heat distribution to all surfaces.

By shortening cure times and temperature requirements, the fuel and electricity savings, combined with the added production capability, mean Convection Cure pays for itself – and the Vortex System – in less than a year.

Nova Verta's trained distributors will gladly evaluate your needs for accelerated drying and provide a live demonstration to prove performance claims. Our professional equipment suppliers are trained to properly tailor the installation of Nova Verta's solutions to your environment and product usage. Leverage their experience. Get optimum performance of your Nova Verta waterborne accelerated flashing system and its use with your selection of available paint products.



Available in portable or permanently mounted systems.

VORTEX SYSTEM

Standard System Components

Qty	Item
2	Nova Vortex nozzles
2	Fully-adjustable arms on 4' of Nova Verta aluminum track with Teflon slides
2	On/Off in-line valves, bulk head fittings and 90-degree elbow
2	Black, poly heat resistant coil hose
1	Main control board with the following components pre-mounted and ready to make single point connections to air and 120-volt, 5-amp circuit:
1	<i>Complete plumbing package for poly line with quick connect fittings and bulk head fitting for booth wall entry</i>
1	<i>Remote mount operator station with 5, 10, 15 and 30 minute one touch on/off time, pre-wired with harness for connection to supplied control panel</i>

Optional System Components

1	Horizontal nozzle mounting components
1	Intrinsically-safe, flash mode remote control panel with fully adjustable timer which can be mounted inside booth, mix room or within Class 1 Division 1 areas

Convection Cure

1	Larger main control board with the following components pre-mounted and ready to make single point connections to air and 120-volt, 5-amp circuit:
1	<i>Additional pre-mounted pre-wired timer in remote panel</i>
1	<i>Air solenoid for Convection Cure timer</i>
1	<i>Air regulator filter</i>

Flash time varies based on paint brand and actual ambient conditions.



Cure Timer Remote



Pre-Plumbed and Pre-Wired Control Board



Flash ON-OFF Remote



600-800 FPM



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