

Five Easy Steps to Big Savings

Like all Nova Verta heated spray booth systems, CTOFs and Limited Finishing Workstations use 5 distinct modes to maximize the energy efficiency of the complete painting process. Nova Verta is one of the first and few that have a listing allowing recirculation of the makeup air system during preparation and cure cycles (re-circulation with direct fired heaters is not permitted per ANSI Standards or ETL on open type models). This allows for a substantial amount of fuel and electrical savings since many of these systems are typically operated in re-circulation 60-75% of the time. The only time the system is required to be in full exhaust mode is during paint application. Re-circulation can save thousands of dollars and should carefully be evaluated before purchasing. Another advantage afforded by re-circulation is faster drying times.

Prep Cycle

The Prep Cycle optimizes booth conditions while final masking and tack off is performed. Using a variable frequency drive and make-up unit with a stainless steel heat exchanger, the Nova Verta system warms air and safely re-circulates it through the spray booth – without exposing operators to the dangers of carbon monoxide. No other paint spray booth system provides a Prep Cycle that creates OSHA-mandated working conditions, heats the air, maintains air pressure, brings metal to the desired spray temperature, and generates monthly utility savings of 35% or more when compared to competitive systems in its class.

Spray Cycle

Once prep work is completed, a single press of the Controller shifts the Nova Verta spray booth operation to the Spray Cycle. At this stage, a steady stream of freshly heated air is provided into the spray booth and a constant, ideal booth pressure is automatically maintained at a minimum. The exhaust system is dry filtered using a reverse incline direct driven fan using a variable frequency drive for motor speed control, eliminating the need for inefficient pressure control dampers, or operator intervention.

Flash Fresh Air Cycle

Flash Fresh Air is utilized for the flashing of low VOC and waterborne material after spray cycle is completed when not needing to conserve energy by utilizing 100% outside replacement air. This also will assist when cooler temperatures are needed but does not cool beyond ambient temperatures without additional equipment. This also activates Wind System for its desired setpoints - fully adjustable if equipped.

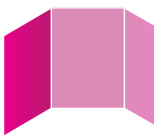
Flash Re-Circulation Cycle

Flash recirculation is utilized to save energy by recirculating air significantly saving 40-50% on electrical and 80-90% on natural gas, propane or diesel. Also allows for elevated temperature. Time, temp are fully adjustable and returns to spray mode upon completion. This also activates Wind System for its desired setpoints - fully adjustable if equipped.

Cure Cycle

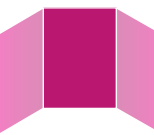
After the painting process is complete, another press of the Controller puts the booth in Cure/Bake Cycle. The Bake Cycle, like the Prep Cycle, effectively re-circulates air, minimizing electrical and fuel consumption. Compared to other paint spray booth systems in its class, Nova Verta's spray booth provides higher velocity airflow, shortening cure times on conventional and waterborne paints.

INSIDE FRONT PANEL



MIX ROOMS

BACK COVER



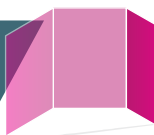
Nova Verta Mix Rooms are available in sizes up to 150 square feet and are completely ETL Listed to meet NFPA and IFC. Constructed with the same design as our spray booths, each unit includes a four-inch spill containment. The stainless-steel mixing bench goes beyond providing required protection. It pulls hazardous vapors from the floor and protects technicians by removing hazardous vapors directly from the area where materials are mixed. The exhausting system includes a direct drive turbine fan to move 1250 CFM, while requiring minimal maintenance. Class I Division II lights are integral to the ceiling panels and feature inside access and color corrective lighting. The Mix Room access door features auto door closer and the same quality door hardware and sealing as Nova Verta Paint Booths.



Mix Rooms

CTOF SPRAY BOOTHS SANDING STATIONS WORK STATIONS MIX ROOMS

FRONT COVER

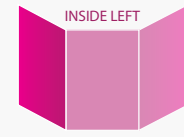


 **NOVA VERTA**
THE LEADER IN SPRAY BOOTH APPLICATIONS

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CTOF SPRAY BOOTHS

Indirect or Direct-Fired Option



Like most Nova Verta products, CTOF Spray Booths are ETL Listed to meet stringent code requirements for unlimited painting application and provide 90% re-circulated curing capability. (Note: ANSI standards do not permit recirculated air curing or heating in direct-fired CTOF applications.) ETL Listing certifies to local authorities and consumers that our products have been scrutinized for operator and building safety and ensures they meet or exceed the national and local code requirements. Direct Fire models are optional.



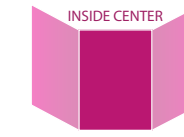
CTOF (Closed Top Open Face)



Double Booths

SANDING STATIONS

Create a safe, comfortable workplace by removing airborne particulate with sanding stations from Nova Verta. These stations are designed to move the desired amount of air and filter it prior to exhausting. Units can also be designed to re-circulate exhaust-filtered air or engineered with a damper system that allows you to choose between filtering or re-circulating air. Like the CTOF and Limited Finishing Workstations, airflow designs can be tailored to suit your needs or requirements.



SANDING WORK STATIONS

For smaller spray applications, get Nova Verta's Limited Finishing Workstations. These workstations are tailored with airflow and heating capacity requirements for spray applications up to 9 square feet, which can be a concern with ever-changing paint materials. Limited Finishing Workstations offer all the same energy-efficient benefits as the CTOF models with respect to re-circulation.



Sanding Work Station

