

PREP STATIONS



THE
LEADER
IN
SPRAY
BOOTH
APPLICATIONS

 **paintbooth.com**
1-800-637-4027 *Start here, finish here!*

PREP STATIONS

Nova Verta, the leader in spray booth applications, offers a complete range of Prep Stations to increase your production and add profits to your bottom line. From single or multiple stall configurations, we offer CTOF (closed top open face) Spray Booths, Enclosed Models, Limited Finishing Workstations, Mix Rooms, and Sanding Stations.

Every Nova Verta solution is designed for cost-effective productivity and to ensure operator safety – and all models and designs offer semi-downdraft and side downdraft configurations, downdraft pits, and raised bases to fit your budget or desired application.

Whether you're pairing a Prep Station with a paint booth, or need multiple booths and prep stations, Nova Verta offers a broad range of freestanding standard designs built to fit a variety of requirements and eliminate paint shop bottlenecks.

The multiple stall models provide the ability to process simultaneous jobs, trimming ever rising utility and material costs per job, which can help you optimize margins on shrinking insurance times for repair work.

Looking for a tailored solution? We also build custom designs that can be designated to meet NFPA 33, IFC, ETL and other national and local code requirements.

CTOF Spray Booths

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

Enclosed Models

Minimize long-term booth maintenance with our Enclosed Models. Enclosed Models feature the basic CTOF booth and use durable, wear-resistant doors in place of the CTOF's standard curtain, preventing exterior air in the surrounding area from affecting the enclosure and eliminating eventual curtain wall replacement.

Limited Finishing Workstations

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.

Mix Rooms

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. For custom applications, tailor your Mix Room with features such as optional doors, a control panel, vestibules, and fascia.

Sanding Stations

Create a safe, comfortable work place 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.





Abbott Street - Salinas, CA

Standard Touchpad 300

Optinal Touch Screen 600C

Complete Efficiency

Complete Efficiency

Like all Nova Verta heated spray booth systems, CTOfs and Limited Finishing Workstations use three distinct operating 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 re-circulation of the make up 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 to 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

Nova Verta's first operating mode, 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 Prep Station – without exposing operators or other shop employees to the dangers of carbon monoxide.

No other Prep Station or Paint Booth 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 touch to the Operator Panel shifts the Nova Verta booth operation to the Spray Cycle. At this stage, a steady stream of freshly heated air is provided into the booth and a constant, ideal booth pressure is automatically maintained at a minimum without the use of a damper or operator intervention.

Cure Cycle

After the painting process is complete, another touch to the Operator Panel puts the booth in Cure/Bake Cycle. The Cure Cycle, like the Prep Cycle, effectively re-circulates air, minimizing electricity usage and fuel consumption. Compared to other systems in its class, Nova Verta Prep Stations provide higher-velocity airflow in the Cure Cycle, shortening cure times on conventional and waterborne paints.



Peterson Motors - Boise, ID



Mix Room



Self Closing Quality Sealed Door



Stainless Steel Exhausted Mixing Bench



1000 series
D & D Auto Body - Spokane, WA

Total Quality

Total Quality

In addition to three distinct operating modes, tailored to reduce overall energy costs, these Prep Stations feature the hallmarks of Nova Verta craftsmanship:

Booth Construction

With vinyl-coated, galvanized, dual panel construction, two and half inches of insulation, tubular steel structural support, door hardware, sealing material, and nut and bolt assembly, Nova Verta Prep Stations are built to last.

Lighting

Using Class I, Division II inside access fixtures with 4 or 6 tubes each (depending on model) there's a visible difference in the technicians' environment. Optional fixtures can be added if desired. Whatever the booth size, all strategically-placed fixtures use a uniquely designed ballast and color corrective tubes to eliminate shadowing and interference with light output.

Pre-wired

Factory pre-wiring expedites the installation of Nova Verta Prep Stations. Color-coded and labeled wiring in Seal Tite conduit, and easy-to-read installation manuals minimize the need for electrical contractors and reduce set-up time and expense. Finger-safe control panel design with blown fuse indication ensures operator ease and safety.

Controller

Nova Verta Prep Stations' use Rockwell Automation-Allen Bradley components, including Nema 4-X rated variable frequency drives (VFDs) and Class I, Division II touch screens to provide user-friendly long term performance and energy efficiency.

Depending on model configuration, automatic or manually controlled VFDs provide optimum airflow for the ultimate

refinish capabilities. VFDs eliminate the need to adjust outdated and expensive to maintain pressure control dampers as filters gather particulates, continually altering airflow characteristics. This feature also helps to eliminate over pressurization causing unwanted turbulence during spray applications.

The standard 300 Operator panel or optional color Touch Screen makes Nova Verta Prep Stations easy to use. Nova Verta's operational software, which has been refined to perfection through its use on all models since 1998, includes self-diagnostics, alarm history, maintenance reminders, and logging capabilities. This advanced technology eliminates the need to send operators to extensive training programs for operation and preventive

maintenance. The self-diagnostic software and *non-automated* technical phone support, helps an operator resolve any problem in minutes rather than hours or even days.

Our Prep Stations can improve the efficiency of your complete painting operation – and we can prove it. Contact us today for professional consultation and planning assistance.



Pit Style / Brady's Auto Body - Vancouver, WA



Semi Down Draft Rear Wall Exhaust / Oakland Auto Body - Oakland, CA



No Pit Required 16" Base with Inside Ramp / Classic Body Works - Astoria, OR



Post Filtration System (Optional)



Direct Drive Turbine Exhaust Fan



Prewired Finger Safe Controls VFP's Rated NEMA 4X



Twin Dual Inlet Hi-Capacity Low DB (Make up air fans)



304 Stainless Steel Heat Exchanger

PREP STATIONS

Some of our installation sites include:

Product Details

Standard-Option Cabin Dimensions[†]

Length

20, 24, 27, 29, or 31'

Width

12', 13'-4 5/8", or 14'-8" – each stall

Available in single or multiple stall configurations

Height

10'-9", 11'-8 3/8", 14', 16', or 18'

Basement and semi-downdraft options add additional height

[†]Dimensions listed are nominal and should not be used for planning purposes. Please contact Nova Verta for detailed drawings and specifications tailored to your installation. Other cabin dimensions may be available which are not listed, please contact Nova Verta for information on optional configurations.

Controller

Rockwell Automation, Allen Bradley Touch Pad, or Optional Color Touch Screen

Rated for Class I, Division II hazardous locations

Light Fixtures

4 or 6 tubes (depending on configuration)

Class I, Division II with inside access

Options

- Semi-downdraft
- Pit styles
- Dry filter basements
- Post filtration
- Side or rear egress doors
- 480 volt motors, 277 volt lighting
- Electric roll doors
- Electric roll curtains
- Additional light fixtures in rear or side walls
- Viewing windows
- Direct fired air make-up (loose energy conservation and curing on open models not permitted by ANSI standards)

Code Compliance

Most products are ETL Listed for their intended purpose to meet IFC, IBC, IEC, IMC, NFPA 33, 70, 86, 91, 101, UL508A, ANSI, and OSHA standards



Abbott Street - Salinas, CA



Artistic Auto Body - Tigard, OR



Ganassi Racing - Concord, NC



Elite Collision Center - Tempe, AZ



Down Draft Work Bays



Auto Group - Rochester, NY



The Auto Body Work Shop - Sacramento, CA



3000 - 3000 Prep Station - Sweden



City South - Spokane, WA



3005 Single Prep Station