

The Octave Tri-Star Conveyorised powder booth systems could be designed with the following options to suit your needs:

Powder Spray mode

Nordson is adept in customising the booth to suit needs of powder coaters, including manual and auto powder spray solutions. The Octave Tri-Star could also be made to suit the following powder spray modes:

Completely Manual

Nordson has a choice of tested and proven manual spray guns to suit your powder coating applications. The Octave Tri-Star could be designed to ergonomically place the manual spray stations incorporating global standards for safety.

Auto with Manual Touch-up

Nordson's automatic powder spray guns are designed for precise applications and sturdy performance. Coupled with Nordson's contemporary reciprocators and in-out positioners, your system is equipped to ensure continuous and superior quality powder coating, to suit your programs.

Canopy choices

CRCA Powder Coated

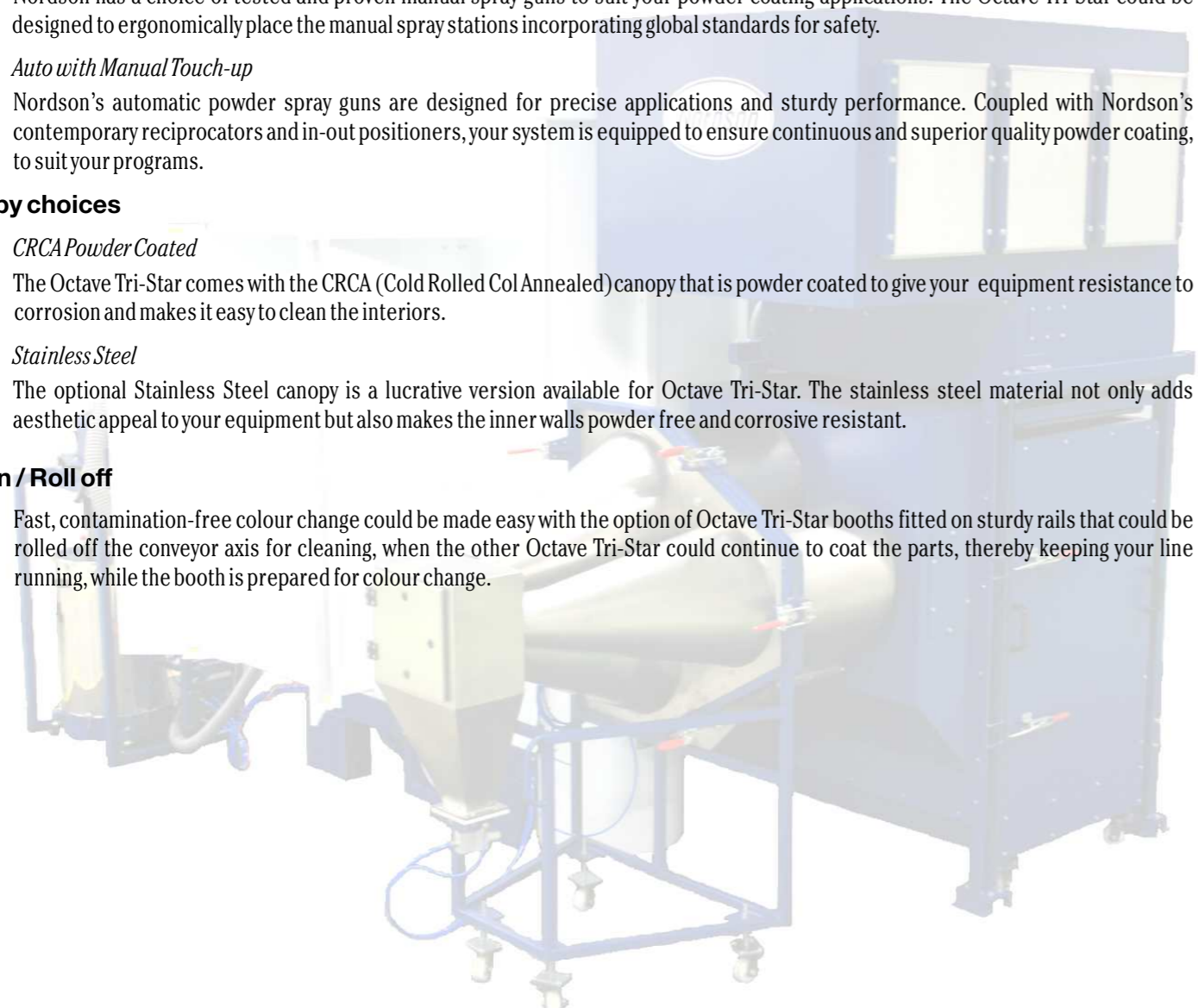
The Octave Tri-Star comes with the CRCA (Cold Rolled Col Annealed) canopy that is powder coated to give your equipment resistance to corrosion and makes it easy to clean the interiors.

Stainless Steel

The optional Stainless Steel canopy is a lucrative version available for Octave Tri-Star. The stainless steel material not only adds aesthetic appeal to your equipment but also makes the inner walls powder free and corrosive resistant.

Roll on / Roll off

Fast, contamination-free colour change could be made easy with the option of Octave Tri-Star booths fitted on sturdy rails that could be rolled off the conveyor axis for cleaning, when the other Octave Tri-Star could continue to coat the parts, thereby keeping your line running, while the booth is prepared for colour change.



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PWD/OCT/2008/001
Revised 7 Oct 08



Octave Tri-Star

Conveyorised Powder Booth System



- Cost effective powder spray system with enhanced features.
- Excellent performance to meet demanding powder coating standards.
- Fast, efficient, contamination free reclaim of multiple colours.
- High efficiency mini-cyclones for maximum powder recovery.

For over 50 years, Nordson Corporation has led the way in development of innovative technologies for the efficient application of powder coatings. Powder coaters around the world choose Nordson for advanced technology, quality manufacturing and industry's best customer support.

Nordson believes continuous improvement holds the answer to the fast growing demand of the powder coating industry and our Engineering team works continuously to enhance our product, technology & service to excel in this dynamic environment. The outcome is Nordson's latest offering to the powder coating industry: Octave Tri-Star Conveyorized Powder Spray Booth, with upgraded features to enhance the performance of your powder coating.

From asymmetric cyclones for better powder recovery to mobile end manifold frames for easy cleaning, the Octave Tri-Star® has enriched features that deliver critical benefits to this industry - benefits that were hitherto associated with only large, automatic and expensive systems.



When a customer makes the decision of choosing Nordson equipment, he automatically gets the reliability of Nordson's world class service organization. Nordson's services to the customers include:

- Application Engineering & Production Testing
- Installation Assistance & Training
- Service Through Production Life Cycle
- 24/7 Access to Technical Services Team, Customer Service, Parts
- Online Product Drawings & Manuals
- Industry Best Warrantees
- Periodical training program for customers



Octave Tri-Star

Conveyorized Powder Booth

Enhanced to Excel



The enhancements in the new Octave Tri-Star are to empower your powder coating operations with sound features to provide excellent coating at effective cost. With five decades experience in powder coating, Nordson has applied its engineering expertise to bring you the benefits that edges your operations ahead of the competition:

Fan suction positioned at the top of booth, for effective routing and to optimize powder flow. This position aids smoother powder recovery by enhancing the air flow till it is exhaust to the environment at this high position, ensuring no interference with the booth's air management system.

Aerodynamic booth design produces optimal airflow for best-in-class powder containment. Durable powder coated mild steel canopy with stainless steel scratch resistant floor provides many years of service.

Automatic powder recovery system (consisting of in-booth base hopper and powder transfer pumps) ensures minimal powder accumulation within the system leading to higher efficiencies.

No ducts and enclosed areas ensures safe design.

Minimal powder within the system, swing-open mini cyclones and duct-less design facilitate quick and thoroughly verifiable colour change.

Powder sieve removes any contamination from recovered powder.



Asymmetric, convergent cyclones for concentrated / focused powder collection and improved powder handling per cyclone. The cyclones for powder separation gets all the more powerful when converge. Hence the cyclone system is enhanced in a special Tri-Star design with asymmetric cyclones that also distribute the powder load to all three cyclones. The converging profile helps in reducing the end compartment, thereby making the periodical maintenance more convenient.

Mobile frames provided at end compartment for easier access and cleaning. The enhanced Tri-Star profile of the cyclones reduced the size of the end compartment, which when framed with wheels, makes it easy for periodical maintenance

Fluidising at the end manifold to ensure easier collection of non-useable powder. The Octave Tri-Star is built easy on maintenance. The powder accumulated at the end of the cyclone are fluidised for easier collection and prevention of reentry into the cyclone

High efficiency mini cyclones ensure maximum recovery of all sprayed colours

Optional pump for cleaning the excess powder from the manifold



Modified filter design for enhanced load carriage. The new initial filter module is equipped with patented filters, tested and proven at Nordson for performance and longevity. The enhanced filters play a major role in the initial filtering of the recovered powder.

Filters spread over wider area for better coverage and easier flow of powder. The Octave Tri-Star has a wider module to contain the modified filter, which accommodates more powder and by distributing it over the filters, it enables better life of the filters.



Flat floor design with compact slot for enhanced suction and tubular guides for easy powder flow. The smaller slot enhances the suction of excess powder and has a specially designed guide to flow the powder to the cyclones.

