

Ransburg

By Binks



Integrated systems for optimum performance and efficiency

FCO 1600i

Fast Color Change Open
Powder Booth System

FCO 1600i integrates systems for optimum performance and efficiency

The Ransburg fast color change concept of powder application, recovery equipment and intuitive controls integrated together leads to reduced production costs and a faster payback.

Ransburg is well-known for fast color change powder booth systems. With color change times of 6-10 minutes and a system efficiency of up to 97%, Ransburg is an industry leader in color-change technology.

Thanks to a modular approach, Ransburg powder booth systems are pre-engineered and configurable to meet your needs. Count on Ransburg experience, engineering and fabrication expertise to provide innovative solutions for even the most challenging requirements.

Features:

Designed for today's production demands for many short runs of multiple colors and flexible planning.



Maximizes Productivity

- Color changes in six to ten minutes or less
- Integrated operator station for access to control center, powder kitchen, part inspection
- Flexibility for automatic and manual spray



Smart Efficient Construction

- Double-wall PVC sandwich booth improves efficiency
- MS system idle mode saves energy, reduces wear
- Excellent interior booth illumination
- Quiet operation, typically less than 80 dB
- Ventilated, open manual coating area
- Small footprint of automatic coating enclosure improves efficiency, simplifies cleanup

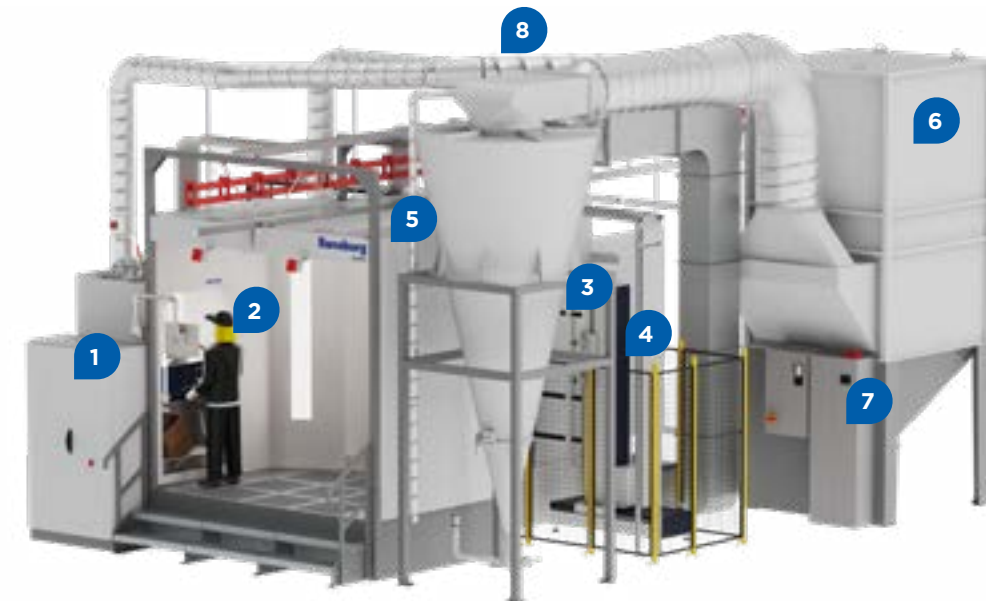


Adaptable for Tomorrow

- Designed for a variety of part sizes and shapes
- Potential for integration of robotics and lifts
- Pre or post platforms in accordance with regulations

Ransburg products performing in harmony

The FCO 1600 Fast Color Open Powder Booth System brings together Ransburg's market leading components and solutions in a complete package, ensuring the best of productivity, efficiency and sustainability.



1



HMI Operator Interface

The 15" viewing HMI touch screen is the control center of the Ransburg powder booth system. Programmed in Codesys on an open architecture IIOT based controller.

2



Powder Kitchen

At the heart of every efficient powder coating system is a Ransburg Powder Kitchen – supplying and ultrasonic sieving both fresh and reclaimed powder.

3



Elite Series A5+ Automatic Gun

Corona feedback system ensures high-quality coating. A5+ automatic powder gun offers uncompromising high performance.

4



Reciprocators and Sliding Tables

Ransburg reciprocators and sliding tables run synchronized with each other.

- Stroke max. 1400mm/55"
- Linear unit with reinforced carriage in solid steel construction
- Toothed belt drive with deflection rollers and counterweight guide
- AC motor with worm gear and absolute encoder

5



Cyclone and Powder Recovery Unit

Self-cleaning technology design for optimized efficiency in reclaiming over-sprayed material in the powder coating booth.

6



Final Filters

Control via frequency converter guarantees best energy efficiency. Automatic standby mode if no part has entered to booth for 5 minutes to save energy. If a workpiece enters the light grid, the control system automatically returns the drive to the nominal frequency.

7



Fire Suppression System

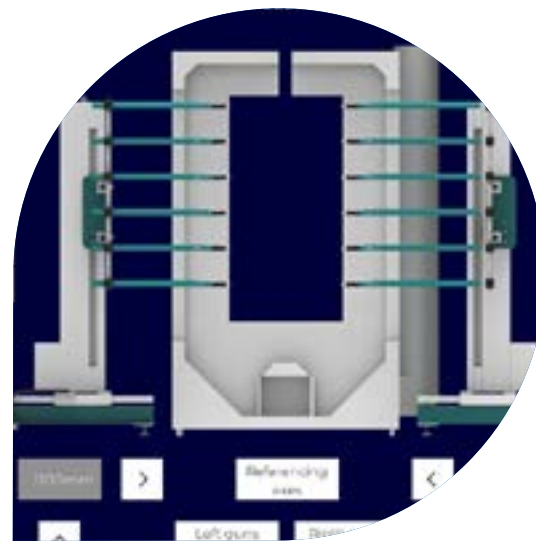
According to local NA and European regulation, equipped with three flame detectors and CO₂ bottles.

8



Big-Bag Station

Designed for the conveyance of fresh powder. BigBags minimize powder contamination in manual operations.



Ransburg Powder Spray Applicators for optimal coating quality



Elite Series A5+ Automatic Gun

Advanced automatic powder coating gun offers uncompromising high performance and operational efficiency. Lightweight design reduces energy consumption in machine, reciprocator or robot mounted applications.

Elite Series M5+ Manual Gun

Advanced manual powder coating gun offers uncompromising high performance and operational efficiency. Lightweight design reduces energy consumption and weight for operator comfort.

Features

- Advanced technology provides a high quality finish with less back ionization
- Designed with a minimum number of replacement parts for ease of cleaning, simple maintenance and reducing costs
- Compatible with all commercially available powders, including metallic flakes
- Extendable using tube & click system
- Combined with the Ransburg controller, produces class-leading electrostatic charge within the powder stream ensuring high transfer efficiency, reducing material costs
- Fast color change

Experience the difference.



Binks is a leading global manufacturer of products and systems for the supply, application and curing of sprayed and dispensed materials. Binks serves a variety of industries, including automotive, pharmaceuticals, food and beverage, and manufacturing. With decades of experience, Binks continues to set the standard for precision, reliability, and innovation in fluid technology solutions.

Binks

For more information, visit [binks.com](https://www.binks.com).



A powerful solution can start with a simple conversation

We want to help build the best solution to your application challenges. Learn more about what we can offer by reaching out to the office nearest you.

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