

# SMART Series

The ultra-flexible booth configured to meet your unique coating needs



## Cartridge recovery booth

Gema's SMART Series booths are versatile and can be configured to meet a wide variety of application needs. The design makes installation easy, even in the most challenging spaces, and the level of customization is exceptional. No other cartridge collection booth is as easy to operate or offers you this level of quality and performance.

**Gema**

The Global Leader in  
Powder Coating Technology

# Simple to install, easy to use and delivers outstanding performance



## Simple to configure and install

From the location of the automatic gun slots, to the manual openings, to the collector module and the aerodynamic design of the vestibules, the SMART Series booth is designed for efficiency. The booth is available in three basic configurations: conveyORIZED, walk-in and lab-style. Each version can be specifically tailored to your precise powder application need.



## Easy to use

The proven performance of Gema's horizontal filter design makes easy access and maintenance a snap. Our side-draft cartridge modules are interchangeable, making color change simple and easy. The mobile cartridge collector assembly features an automatic locking device for a tight fit.

## Outstanding performance

The cartridge filter design is outstanding and helps maximize powder recovery performance and filter life. Recovery air is uniformly disbursed and recycled through highly efficient safety filtration media.

### Total Compatibility

The SMART Series coating booth is compatible with our automatic and manual guns.



## The cartridge booth with the SMART design

Whether you go with a SMART conveyORIZED booth, a SMART walk-in booth or a SMART lab-style booth, your system will provide you with excellent powder containment characteristics, while meeting or surpassing industry safety standards. Regardless of which booth you choose, with features like these, you'll be making a SMART choice.

- Simple and flexible design
- Maximum recovery efficiency
- Multiple color capabilities
- Easy cleaning
- All filter media accessible and easily replaced
- Minimal maintenance required
- Optimum use of plant floor space

### Designed for quick color changes

The OptiGun automatic powder gun is compact and easy to maintain. With color changes, the gun is quickly cleaned and ready to be used again. The nozzles are removed in a flash, they are cleaning-friendly and contain a minimum of parts that are subject to wear.

### On-gun remote control

You can keep your eyes on the work piece, not on the control unit! With the remote control on the back of the gun, you can select the right program, even if the control module is out of your reach.

### All parameters at one glance

With the OptiFlex Series manual and automatic controls, you have a grip on all coating parameters. Clear symbols, simple programming and a perfect reproducibility of your results contribute to measurably increase your coating quality.



### The most advanced powder application technology

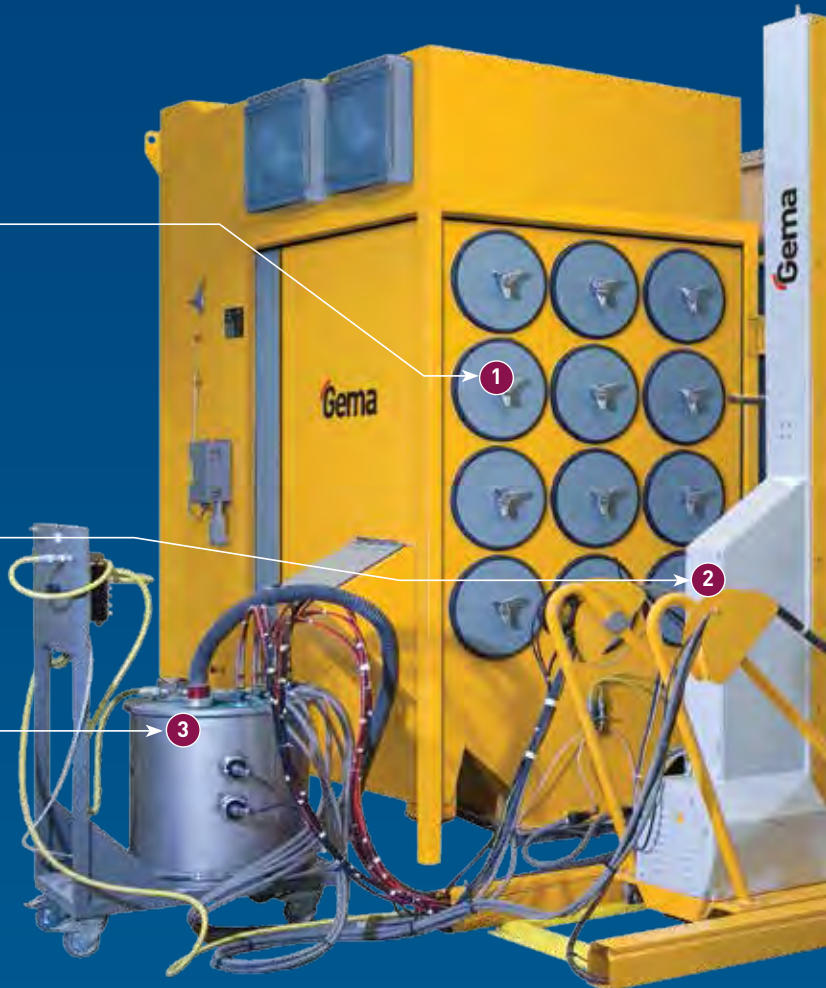
The OptiFlex Series powder guns and controls are a perfect combination of coating efficiency and user-friendliness.

- Excellent transfer efficiency with every powder due to the 100 kV high performance cascade
- Continual, uniform powder delivery and charging, for a uniform distribution and lay down of powder
- Patented **D**igital **V**alve **C**ontrol (DVC) for accurate powder output control
- Control unit display ensures easy access to pre-set and customized coating programs
- Reduced maintenance costs due to the wear-resistant design

#### SuperCorona®

The optional SuperCorona® collects and neutralizes the free ions that would disturb the powder deposition on the object. This improves the surface quality.





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### For a good atmosphere!

Gema's high-efficiency, horizontally-mounted filters enable easier access, while reducing maintenance time. The interchangeable, side-draft cartridge modules also greatly simplify color change. The mobile cartridge collector, with its locking device, helps maximize powder recovery performance and filter life. Finally, recovery air passes through highly efficient safety filtration media.

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### Coating in every direction!

A uniform distribution and powder film thickness are the keys to achieving high quality results at the lowest powder consumption rate. Gema's reciprocators and positioners cover all movements, no matter what configuration you need.

3

### All the powder you want, where and when you want it!

The SMART Series feed hopper delivers continuous and consistent new and reclaimed powder to the guns. The fresh powder feed and sieving solutions are designed to meet your quality requirements and coating needs, no matter how demanding they are.





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### A SMARTer powder coating booth!

Gema's SMART Series features a stainless steel cabin construction designed to meet specific application needs. Location of automatic gun slots, manual openings, the collector module, and the aerodynamic design of the vestibules all contribute to maximize first-pass powder transfer efficiency. The bolt-together design makes the booth structure easy to arrange and assemble, and the compact floor space design of collection equipment saves on plant floor space.

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### The heart of the powder coating!

With high transfer efficiency, uniform powder application and optimal penetration into any geo-metry, the OptiFlex Series powder guns constitute the heart of the powder coating process. The color-change-friendly construction, which utilizes very few components that are subject to wear, is an additional plus. The excellent ergonomics and the lightweight design of the OptiFlex manual guns guarantee fatigue-free coating.

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### Here you control the coating!

Do you want to save powder? Do you insist on high user comfort combined with the highest coating quality? The versatile OptiControl series controls package combines leading edge processor control technology with an intuitive user interface. The OptiControl comes standard mounted in the gun cabinet or can be supplied on a pedestal mount as an option.

# Total flexibility to meet any application in virtually any dimension



## The SMART Conveyorized Booth

This automatic booth is perfect for recovery applications with up to four colors. You'll change colors as frequently as you want, ranging from just a few times daily to a few times monthly. You'll enjoy high-efficiency reclaim when you want it, and you can spray-to-waste when applications require it.



## The SMART Walk-In Booth

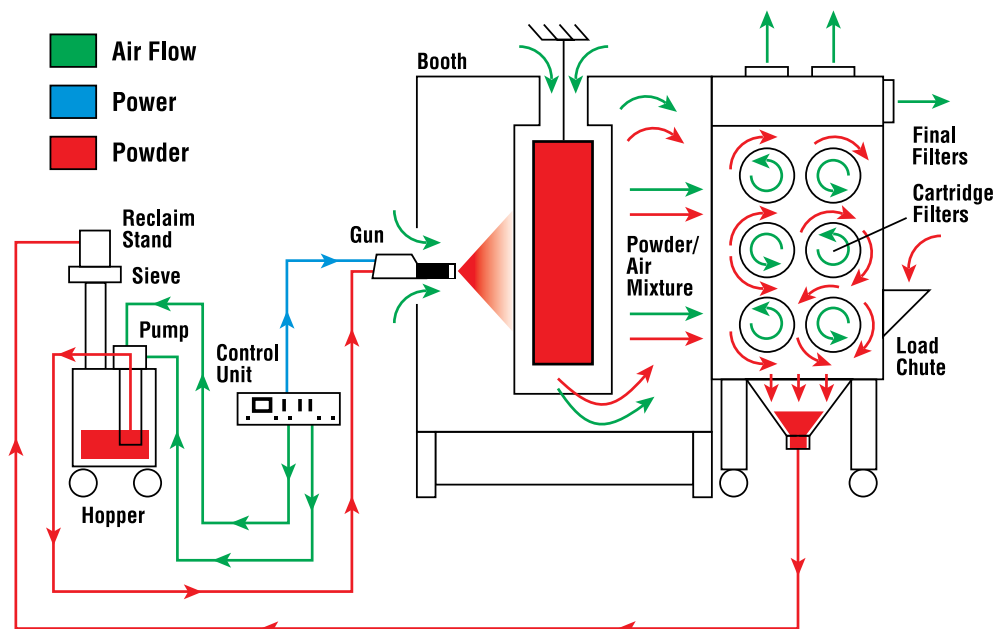
This booth is ideal for coating parts ranging in size from small hardware hung on racks or carts, to large roll-in pieces. You can spray-to-waste or reclaim powder, and the unit comes with either a fixed or detachable collector. It's available as a complete booth or as a self-contained recovery unit.



## The SMART Lab-Style Booth

This versatile powder coating booth has been engineered specifically to handle everything from small batch runs to conveyorized applications with either automatic or manual guns.

## The ultra-efficient side-draft cartridge collection booth





### **SMART Conveyorized Booth Features:**

- Engineered for automatic or combined manual and automatic coating applications
- Configured for pass-through part conveyors
- Accommodates large complex part geometries
- Ideal for powder reclaim or spray-to-waste environments
- Booth cabin scalability to meet your specific powder coating need
- Optional roll-on, roll-off capabilities
- Easily detachable collector for multiple color operations



### **SMART Walk-In Booth Features:**

- Engineered for manual coating applications
- Configured for either batch coating or pass-through part conveyors
- Accommodates large complex part geometries
- Ideal for spray-to-waste or single-color recovery environments
- Booth cabin scalability allows simultaneous use by multiple operators



### **SMART Lab-Style Booth Features:**

- Engineered for manual coating applications
- Configured for batch coating
- Accommodates a wide range of part sizes and geometries
- Ideal for spray-to-waste or single-color recovery environments
- Booth cabin designed primarily for individual operators

The powder coating world of  
Gema



Gema

## Your global partner for high quality powder coating

Take advantage of our expertise and experience from more than 40 years of electrostatic powder coating applications. From simple manual coating to fully automated powder coating, we offer solutions that meet the demands and requirements of customers around the world in a wide range of industrial sectors. A global service network ensures you always get professional support, at any time and any place!

We make our customer's products more durable and attractive. Our finishing experts create the technologies, processes and materials that regularly set the standard for the industry.



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