



**The World Leader in
Powder Coating Systems**



MAGIC CYLINDER® Powder Coating Cylinder

ITW Gema's patented MAGIC CYLINDER powder coating system is the original round-booth design, offering quick color changes and simple cleaning for coating applications in XTreme Color Change Environments™.

ITW Gema

Superior By All Measures

1 XTreme™ Machine

- The MAGIC CYLINDER® is specifically designed to give **maximum color change efficiency** when quick changes are required.
- Cylindrical interior design reduces powder accumulation making cleaning faster and easier.
- **Sturdy plastic upper structure** is non-conductive and smooth, leading to improved transfer efficiency and less powder on the walls.
- **Integration with the Chameleon™ Color Management System** automates much of the color changeover process.
- Because color changes can be performed faster and with more flexibility, the MAGIC CYLINDER provides the **best return on your equipment investment**.
- The MAGIC CYLINDER's fully integrated system gives you the **speed and flexibility** to powder coat more colors in less time.
- **Manual coating capability is integrated** when required by the application.

2 XTreme Performance

- **Maximizes production coating time** to increase throughput.
- Combines an **improved cyclone design** with a revolutionary cylindrical booth design for fast, efficient color changeover.
- Consistent color changes in **less than 15 minutes**, requiring only two operators.
- System is designed for better accessibility, allowing one operator to perform the **simplified manual cleaning procedures** from outside the booth.
- The MAGIC CYLINDER lets you change colors so quickly, there's often **no need for another booth**, reducing floor space requirements.
- **Enclosed design cleanly separates** the application from conductive components, increasing transfer efficiency and powder removal during color change.
- Much of the **cleaning process is automated**—making your color changes more repeatable and faster.
- **Patented airflow extraction** provides better control over application efficiency and the powder recovery process.
- Floor design **keeps powder in process**, not on the floor.



The built-in sieve in the cyclone is easy to clean during color change.

3 XTreme Efficiency

- MAGIC CYLINDER's **revolutionary powder-reclaim technology** redefines traditional cyclone concepts into a more efficient design.
- Features a field-proven cyclone, **designed specifically for fast color change** with high efficiency.
- MAGIC CYLINDER offers extremely **high reclaim utilization efficiency**: up to 97%.
- Seamless, stainless steel ductwork is engineered to reduce the risk of color contamination, and is **maintenance free**.
- **Ultra-high transfer efficiency** of ITW Gema's application equipment maximizes material utilization.
- Downdraft technology and **unique floor design** virtually eliminate build-up of "in-process" oversprayed powder.
- Built-in sieve in the cyclone discharge **screens out contaminants** and is easy to clean during the color change process.
- **Dense-phase-transport technology**, uses less compressed air than traditional transfer pumps and offers improved material handling of the recovered powder.



Manual coating capability is easily integrated when required by the application.

4 XTreme Intelligence

- The technologically advanced **Chameleon™ Color Management System** is an essential, integrated component of the MAGIC CYLINDER System.
- When a color change is required, the operator selects the Chameleon's cleaning mode, engaging the **automated cleaning steps**.
- **The integrated PLC automates the cleaning** by pulsing compressed air over the gun exterior and throughout the interior powder path, including suction tube, pump, powder hose, and gun.
- The versatility of the Chameleon allows powder to be sprayed **directly from the powder manufacturer's original shipping container** for short color/production runs.
- The XTremely efficient, automated cleaning procedure virtually **eliminates color-contamination risk**.



XTreme Environments

If you're making multiple changes in a shift, or you require rapid color changeovers, then you're operating in an XTreme Color Change Environment™ - and you need equipment designed for that environment.



All units are covered by ITW Gema's unique 5-year warranty.

MAGIC CYLINDER Powder Coating Operation

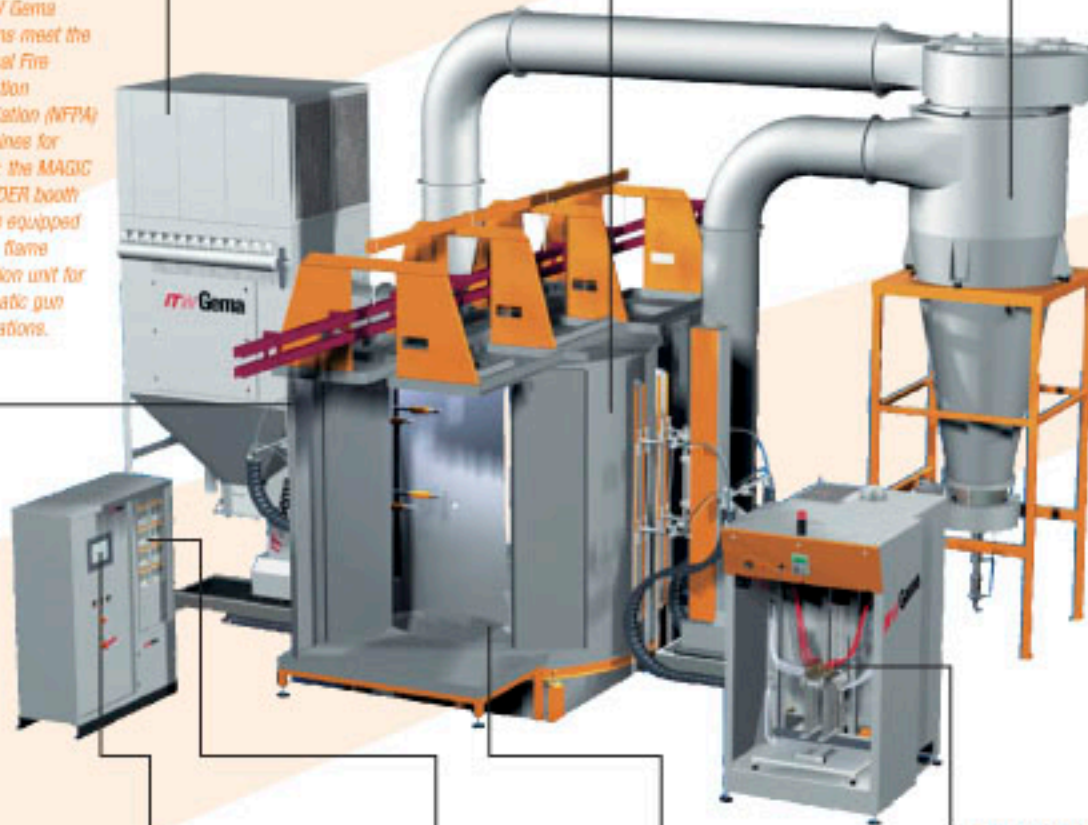
The cartridge collector filters the air before returning it to the work environment.

Compact, round, cornerless booth design minimizes powder accumulation.

The plastic booth upper structure minimizes powder build-up and electrically isolates the application to improve performance and reduce cleaning time.

The cyclone is designed for fast color changes and provides up to 97% efficient reclaim utilization.

All ITW Gema systems meet the National Fire Protection Association (NFPA) Guidelines for safety; the MAGIC CYLINDER booth comes equipped with a flame detection unit for automatic gun applications.



PLC control can be added to manage the system and, with the Chameleon, automates the cleaning process.

OptiTronic™ controls with automatic gun triggering uniformly apply more powder to the parts, minimizing operating costs.

Patented aerodynamic booths and floor designs minimize powder left in process and speed up cleaning.

The MAGIC CYLINDER's full integration with the Chameleon Color Management System means color changes in less than 15 minutes.



Downdraft technology and patented floor design virtually eliminate build-up of "in-process" oversprayed powder.

What To Look For In Your Next Powder Coating System

- A booth that can handle multiple color changes in a single shift
- Easy-to-clean recovery system for fast color changes
- Options to automate and speed up the cleaning process
- Separation technology that virtually eliminates color contamination
- Material utilization capability of up to 97% efficiency
- Plastic booth upper structure for easy cleaning
- A booth that gives you optimum use of plant floor space
- A compact, cornerless booth designed for faster cleaning
- Flexibility that meets your color change requirements
- Safe operational noise levels

Why Should I Buy A MAGIC CYLINDER® System?

- For XTreme Color Change Environments™: multiple color changes in a single shift
- For XTreme™ performance: consistent color changes in less than 15 minutes
- For XTreme efficiency: engineered cyclone recovery and ductwork system offering higher reclaim efficiency
- For XTreme intelligence: the PLC of the Chameleon™ Color Management System automates cleaning and streamlines color changeover

Number of Colors

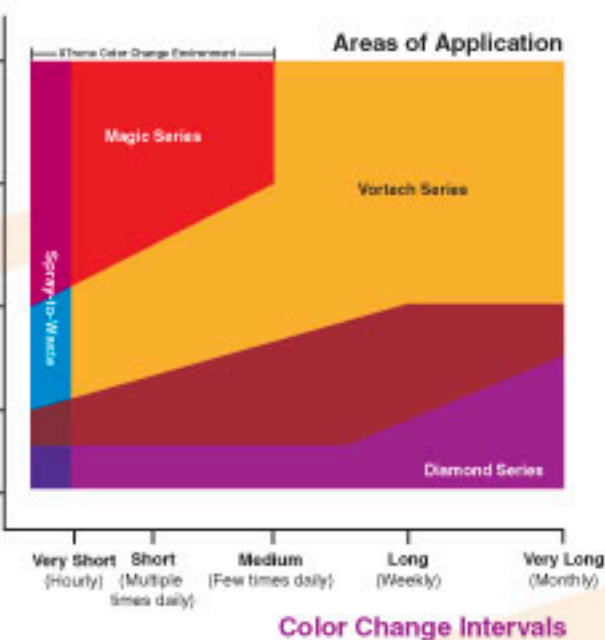
Very High
(11 or more colors)

High
(7 - 10 colors)

Medium
(5 - 6 colors)

Few
(2 - 4 colors)

1 color



Service and Support

In addition to our unique five-year warranty, our products are supported by a dedicated service team. ServiceNet™ is our 24-hour nationwide network of technicians and factory-trained distributors, ready to provide you with a high level of local support. In addition, we offer:

- Factory direct field service staff for emergency situations
- Repair center in Indianapolis, Indiana
- System installation and start-up assistance
- Product and/or powder testing
- Operator training in Indianapolis, Indiana (single or multi-day programs available)
- Field training programs (Factory Representatives)
- Application expertise and coating support



The improved cyclone is designed for optimum accessibility, making it easy to clean.



All ITW Gema products are covered by ServiceNet



Member of The Powder Coating Institute



Member of The Chemical Coaters Association International

ITW Gema

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