

OPTIFLEX

100,000 VOLTS OF FIRSTPASS POWER



TM

COAT IT RIGHT THE FIRST TIME—
EVERY TIME

**The World Leader in
Powder Coating Systems**



Power Up Your Productivity

With the new FirstPass Power™ Gun, OptiGun®, part of ITW Gema's OptiFlex™ Automatic Powder Coating Series. Using 100,000 volts of FirstPass Power, you can coat it right the first time—every time and...

- Minimize downtime
- Spray less powder
- Reduce labor costs
- Experience fewer rejects

ITW Gema

Coat it Right the First Time— Every Time...

With the OptiFlex Automatic Powder Coating Series

- The OptiFlex Series **improves profitability** by making your operation more efficient.
- The simplified user interface gives operators **total control flexibility** without having to worry about balancing several different settings.
- Quick, easy-to-learn procedures **reduce training requirements** with operators.
- The OptiFlex Series **decreases your downtime** by automating coating configurations.
- OptiFlex's group of high-tech components are designed to **save time** in an XTreme Color Change Environment.™
- Intelligent automation and the latest powder coating technology increase transfer efficiency, **reducing the amount of powder wasted**.
- The OptiFlex Series **improves productivity**, even in more challenging applications, such as porcelain enamel.

The OptiGun

- ITW Gema's **integrated cascade power supply** provides maximum charging at the tip of the gun.
- Improved design ensures **longer life and better reliability**.
- **Contoured-body design** prevents powder from collecting, making cleaning easier.
- **Sealed gun-body design** stops powder from entering the internal cavity, eliminating potential voltage and color-change contamination problems.
- Improved cascade design no longer requires grease, which **simplifies maintenance and repairability**.
- **Enlarged tube diameter** provides softer spray patterns, allowing the electrostatics to have greater control and increased transfer efficiency.
- Quick-change hose connector and replaceable, threaded powder-tube enable quick removal and **easy maintenance**.
- **Compatibility** with all nozzles and extensions for the OptiSelect™ manual powder guns simplifies replacement of wear parts.
- **Optional SuperCorona®** ring can be added to minimize orange peel and improve penetration.



*If you're making 6 or more
color changes in an 8-hour shift,
you need equipment designed...*



*The OptiFlex Series delivers
intelligence, integration, and
automation to keep your
downtime to a minimum.*



The industry-leading design of the OptiGun ensures longer life and high-level reliability.

The OptiStar™

- OptiStar's patented Digital Valve Control, (DVC) offers a new standard of precision and more uniform film thickness, resulting in **lower operating costs**.
- Within the OptiStar, the **DVC** automatically adjusts all air required for powder coating, ensuring air flow **accuracy to plus or minus 1%**.
- Uniform volume control and industry-leading first-pass transfer efficiency saves powder, and results in a **more consistent finish**.
- **Unmatched program storage capacity** (up to 250) allows for fast recall of all settings for any application.
- Unprecedented control over voltage, current, electrode rinsing air, powder output, and air volume gives you the ability to **repeat quality performance**—every time.
- **Remote gun triggering and purging** can be operated using Programmable Logic Control (PLC) or canbus serial protocol.
- OptiStar communicates with your PLC, allowing for advanced **diagnostics and programmability**.
- **Optional Flow-Control Module™** for closed-loop control of the total air volume for consistent powder delivery and accuracy.
- Rinse air selection buttons ensure correct air volume, keeping the electrode clean, and **maximizing transfer efficiency**.
- **Help Code display** simplifies operator troubleshooting.

The OptiFlow™

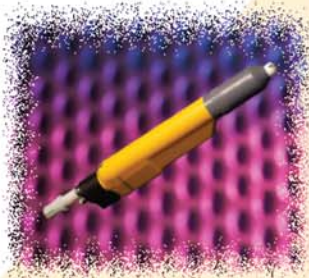
- Advanced engineering of OptiFlow **High Performance Powder Pump** ensures uniform powder delivery for every application.
- Keyed quick-disconnects facilitate **fast installation and removal**.
- **Only one major wear part** keeps spare parts and operational costs exceptionally low.
- Check valves and plug-in design promote **reliability and easy maintenance**.
- Precision-manufactured injector jet stays in place, assuring **proper flow every time**.
- Easy-to-clean design requires **no disassembly for most color changes**.



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



**With ITW Gema's OptiFlex Series,
you've got all you need to power
up your productivity...**



The OptiFlex Series features 100,000 volts of FirstPass Power for superior charging efficiency. The improved contoured-body design prevents powder from collecting, making cleaning easier and faster.



The OptiStar Advanced Control Unit offers a simple selection of options to give operators the versatility they need for any job...without having to constantly re-adjust and balance various settings.



The OptiFlow Pump assures uniform powder delivery in every application. Its advanced features speed installation and removal, while making cleaning and maintenance extremely simple.

What Makes the OptiFlex Series So Optimal?

The advanced technology of the OptiFlex Series, combined with its easy-to-use interface, allows you to coat every part right the first time—every time.

The flexibility of the OptiStar enables you to store your voltage, current, powder output, and air volume settings for up to 250 applications. Simply select the program number and you're ready to coat.

The design of the OptiGun, with its quick-release connections, makes for easier and faster cleaning and maintenance, allowing you to spend more time coating.

Add the advanced and easy-to-maintain OptiFlow Pump to provide consistently uniform powder delivery—and your powder coating operation has just become optimized.

To keep your powder coating optimized, OptiFlex benefits from ITW Gema's ServiceNet.SM 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 engineers and factory-trained distributors ready to provide you with a high level of local support.

What makes the OptiFlex Series so optimal? The intelligence, integration, and automation that only ITW Gema provides, allowing you to power up your productivity and improve your operation's profitability.

Call an ITW Gema representative today at 800-628-0601 to discover how the OptiFlex Series can help you.



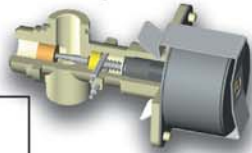
OPTIFLEX
100,000 VOLTS OF FIRSTPASS POWER



OPTI STAR™ Power and Flexibility for Control Freaks

ADVANCED CONTROL UNIT

- Patented Digital Valve Control (DVC) automatically adjusts all air required for powder coating, to an accuracy of plus or minus 1%



- ITW Gema's innovative OptiStar™ advanced control unit separates the powder output and air volume controls. Buttons on the left adjust powder output. Buttons on the right regulate total air volume

- The digital display and buttons on the left control current, while the ones on the right control voltage

- Up to 250 custom programs can be stored in the OptiStar, allowing you to reproduce optimal results and achieve consistent performance

- Should the OptiStar ever encounter a problem, an error code will appear for you to reference in the technical manual



Application parameters display

- ITW Gema's patented rinse-air feature cleans the electrode with a steady stream of air, optimizing transfer efficiency

- The "Select" button enables you to toggle between application parameters display and settings for fluidizing and rinsing air display

- Simple on/off buttons control power to the OptiStar

<p>FLAT</p> <p>100 kV 100 µA</p>	<p>COMPLICATED</p> <p>100 kV 22 µA</p>	<p>RECOAT</p> <p>100 kV 10 µA</p>
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OptiStar offers three easy-to-select coating options for flexible, yet simple control



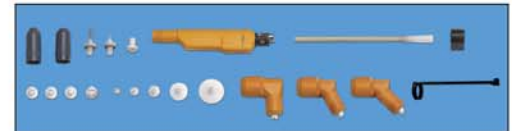
OptiGun

The Extended OptiGun (OptiGun AX™) is designed for even faster cleaning required by XTreme Color Change Environments.™



OptiFlow Pump

Simple OptiFlow Pump provides uniform powder delivery with only one major wear item, for high reliability and low operational costs.



ITW Gema's OptiGun

OptiGun Automatic Guns have a simple design with few components and optional add-on tips and nozzles for increased versatility.



ITW Gema

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Superior By All Measures