

**OPTIFLEX**

100,000 VOLTS OF FIRSTPASS POWER



TM

COAT IT RIGHT THE FIRST TIME—  
EVERY TIME

**The World Leader in  
Powder Coating Systems**



**The First Pass  
Power Gun**  
100,000 VOLTS

TM ITS ALL ABOUT THE GUN

### **Power Up Your Productivity**

With the new FirstPass Power™ Gun, OptiSelect™, part of ITW Gema's OptiFlex™ Manual 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™ Manual Powder Coating Series.

- 100,000 volts of FirstPass Power™ gives you the ability to coat your parts right the first time – every time.
- OptiFlex “smart” technology stores your application settings for easy recall in any coating scenario.
- Quick, easy-to-learn procedures reduce training needed to turn operators into manual powder coating experts.
- “On-gun” remote controls adjust coating mode and powder delivery without requiring operators to turn away from their work.
- OptiStar™ Advanced Control Unit provides total control flexibility, giving operators a choice between 20 custom programs and 3 preprogrammed settings.
- Patented Digital Valve Control (DVC), automatically and precisely adjusts all air required for powder coating.
- Advanced pump technology provides trouble-free, uniform powder delivery time after time.

## The OptiSelect™ **The First Pass Power Gun**™

- OptiSelect Manual Powder Gun, with an integrated cascade producing 100,000 volts of FirstPass Power™, provides maximum charging at the tip.
- OptiSelect features “on-gun” remote control, letting operators conveniently select programs and adjust powder delivery.
- The gun weighs less than 19 ounces, reducing operator fatigue.
- Ergonomically designed handle provides more comfortable in-hand balance and feel for your operators.
- Isolated powder path ensures proper charging for all powders, including metallics.
- No powder tube to replace simplifies maintenance, reduces powder velocities, minimizes impact fusion, and enhances transfer efficiency.
- Field-proven, self-cleaning electrode ensures uniform powder particle charging, optimizing transfer efficiency.
- Removable nozzles and a quick-release powder hose connector make cleaning and color changeovers fast.



### The OptiStar

- OptiStar Advanced Control Unit offers custom and preprogrammed settings, giving you versatility for any application.
- For ultimate flexibility, 20 custom programs allow you to set powder output, air volume, current, and voltage, saving them for recall at any time.
- When a simpler solution is called for, operators can select one of OptiStar's 3 preprogrammed settings:

**Flat Parts**, maximizes voltage for optimum transfer efficiency.

**Complicated Parts**, modifies voltage while holding current for optimum penetration and transfer efficiency.

**Recoat Parts**, automatically adjusts voltage and current to the optimum level for recoating previously coated parts.

- Within the OptiStar, the DVC automatically adjusts all air required for powder coating, keeping the system in control at all times.
- Rinse air selection buttons ensure correct air volume, keeping the electrode clean and maximizing transfer efficiency.
- Help code display simplifies operator troubleshooting.



The OptiSelect FirstPass Power Gun is capable of coating challenging parts with ease.

### 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... right in the palm of your hand!**

*The OptiSelect Manual Powder Gun has "on-gun" remote control, allowing operators unprecedented flexibility and convenience... to easily meet the exact needs of virtually any coating application.*



*The OptiFlow High Performance Powder Pump technology assures uniform powder delivery in every application. Its advanced features speed installation and removal, while also making cleaning and maintenance extremely easy.*



*The OptiStar Advanced Control Unit offers a simple selection of options, giving operators all the versatility they need for any job... without having to constantly re-adjust and balance many different settings.*

## **How OptiFlex Helps You Coat it Right the First Time—Every Time**

The OptiFlex is the most versatile manual powder coating series available. Why? Because the system has 20 custom programs that allow you to input your own settings. Or you can choose from 3 pre-programmed settings applicable for almost any application.

Even easier, the 3 preprogrammed settings and one custom program can be selected not only on the control panel, but also with remote control buttons on the back of the spray gun. Less need to turn away from the work to a control panel means greater operator efficiency with less effort.

With Digital Valve Control for automatic and precise air adjustment, plus an advanced easy-to-maintain pump that provides consistently uniform powder delivery... you're coating like a pro – even if you're not one.

OptiFlex offers versatility and performance allowing your operators to coat every part right the first time—every time.

### **20 Custom Programs**

**P** For maximum flexibility, the OptiStar Advanced Control Unit gives you 20 custom coating programs that can be input with your choice of settings for powder output, air volume, current, and voltage. All programs are saved for recall at any time.

### **3 Preprogrammed Settings**

Instead of requiring operators to adjust voltage and current, the OptiFlex reduces everything down to three buttons. Choosing one of these preprogrammed settings automatically adjusts the system for optimal performance to suit any application.

#### **FLAT**



**Use this button for:**



Tubular Products



Flat Panels



Accessory Pieces



Small Components



Wire Products

#### **COMPLICATED**



**Use this button for:**



Cavities



Extruded Products



Recessed Areas



Large Assemblies



Internal Surfaces

#### **RECOAT**



**Use this button for:**



Deep or Inhabitable Recesses or Extrusions



Recoating Flat Parts



Recoating Recessed or Cavity Areas



Recoating Accessory & Small Components



Recoating Large Metal Components or Assemblies

**OPTIFLEX**



## Why Should I Buy An OptiFlex™?

With ITW Gema's OptiFlex Series, you've got all you need to power up your productivity... right in the palm of your hand!

From the OptiSelect™ Gun to the OptiStar™ Control Unit and OptiFlow™ Pump, every component of the system is designed for total reliability, convenience, and performance.

Choose Fluidizer, Box, or Stirrer units. The result is always flexible and consistent high-quality coating of parts and products... with less effort, less operator training time, and fewer things to go wrong all along the way.

So advanced that it's incredibly simple, the OptiFlex is truly the practical answer for manual powder coating.

## 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 engineers and factory-trained distributors ready to provide you with a high level of local support.



### OptiFlex-F™ Manual Fluidizer Unit

*OptiFlex Manual Fluidizer Unit combines flexibility and economy ideal for medium to large production runs.*



### OptiFlex-B™ Manual Box Unit

*OptiFlex Manual Box Unit delivers fast turnaround for small to medium production runs, and when color change is a critical part of your powder coating operation.*



### OptiFlex-S™ Manual Stirrer Unit

*OptiFlex Manual Stirrer Unit provides improved material handling for difficult-to-fluidize powders and dry-blended materials.*



### OptiStar Control Unit

*The OptiStar features a durable membrane switch touch pad with an easily understood graphical user interface.*



### OptiSelect Gun

*Lightweight OptiSelect Gun weighs less than 19 ounces and contains two major wear parts.*



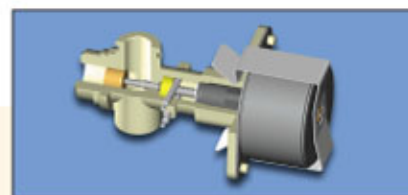
### OptiSelect Gun Quick-Disconnect

*Quick-release powder hose connector makes cleaning and color changeovers fast.*



### Tips & Nozzles

*The OptiFlex offers a broad assortment of standard tips and nozzles to cover even the most demanding set of applications, including metallic powders.*



### OptiStar DVC

*The OptiStar Digital Valve Control (DVC) adjusts all air required for powder coating, automatically keeping the system balanced and in control for any application.*



### OptiFlow Pump

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



All ITW Gema products are covered by ServiceNet.



Member of The Powder Coating Institute



Member of The Chemical Coaters Association International

ITW Gema

An Illinois Tool Works Company P.O. Box 88220 Indianapolis, IN 46208-0220

Phone 800-628-0601 Fax 317-298-5010 Web [www.itwgema.com](http://www.itwgema.com) E-mail [powdersales@itwgema.com](mailto:powdersales@itwgema.com)

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# ITW Gema

Superior By All Measures