

OptiFlex®2

any powder
any part
any place



Manual powder coating

The new OptiFlex®2 puts the world's most advanced manual powder coating technology in the palm of your hand. Spray all powders with ease, coat complex geometries with outstanding efficiency and quality and do it all in the most challenging environments – anywhere on the planet.

Your global partner for high quality powder coating

 **Gema**



any powder



Handles any powder

Today, you're faced with the challenge of spraying a multitude of colors and chemistries. OptiFlex®2 gives you the power and control needed to achieve the best looking finish with any powder.

Optimum ergonomics

The light-weight, ergonomically designed gun provides better in-hand balance and feel allowing you to comfortably position the gun for better coverage and faster coating.



Three standard programs (flat parts, profiles and re-coating) are available on the control panel.

Control functions for the future

- Unprecedented precision control of current and voltage ensuring maximum efficiency and uniformity of coating.
- For challenging powders such as metallic or special effect, OptiFlex®2 offers Precision Charge Control (PCC) ensuring greater accuracy and adjustability of current settings below ten microamperes (10 μ A).
- The clear display makes it easy to find the optimal settings in every condition. The result? Perfect coating quality, reproducible time after time!



any part



Applies the powder where needed

Complex part geometries won't slow you down. Optiflex®2 simplifies the coating of difficult shapes by applying the powder precisely where needed.

Optimized nozzles for best results

New generation of spray nozzles provide excellent powder distribution and penetration needed to coat difficult geometries.



Innovative powder gun

- PowerClean™ is a new development which cleans the entire powder path from the pump to the gun tip. Using powerful blasts of air (30 Nm³/h), OptiFlex®2 improves performance when spraying challenging powders and makes color changes easier.
- The integrated 100 kV cascade delivers the highest transfer efficiency. This means more powder on the work piece, less powder in the recovery system!
- On-gun remote control gives you the flexibility to adjust parameters without turning away from your work, and easily activate the Power-Clean mode





any place

No matter which conditions

No matter where you are, you'll be coating perfectly with the new Optiflex®2. Whether operating in heat or cold, in dry or humid conditions, OptiFlex®2 delivers outstanding functionality and performance required for any coating environment.

These units bear something...

Industrial strength one piece gun body design, die-cast zinc pump, and steel construction cart provides unparalleled toughness and durability that stand up to any coating environment.



Sophisticated solutions for high productivity

- The mobile cart coupled with the industry's first 360° rotating control unit offers flexibility for adjustment in any work location.
- New, ultra-efficient powder pump design employs the most effective angle to consistently deliver powder, resulting in optimized air consumption and less powder waste.
- The optional SuperCorona® collects and neutralizes the free ions that would disturb the powder deposition on the object.





OptiFlex® 2 B



OptiFlex® 2 F

For frequent color changes

If your production requires frequent and quick color changes, then we would recommend the OptiFlex® 2 B, which is designed to use the powder manufacturer's original carton.

- Highest flexibility
- Minimal color change times
- For direct transport from the original powder carton
- Complete emptying of the powder box thanks to the tilted vibrating base
- Integrated fluidization

For continuous powder use

If continuous use of the same powder over a long period of time is the bulk of your production schedule, then we would recommend the OptiFlex® 2 F with the 50-litre fluidized powder container.

- Ideal for large powder quantities
- Compatible with all powder types
- 50-litre powder container with fluidization
- Easy cleaning of the container



OptiFlex®2 W



OptiFlex®2 S

The upgrade solution

For upgrades, to be mounted on booth walls or at your production site: OptiFlex®2 W can be integrated in any existing surroundings.

- Its bracket can be mounted on any powder booth
- Takes the powder from fluidized hoppers

For difficult-to-spray powders

Do you need to process powders, which are difficult to fluidize? OptiFlex®2 S is your best choice!

- Unique stirrer system
- Processing of difficult-to-fluidize powders
- Preventing the separation of powders
- Processing of small quantities without any loss
- Complete usage of remaining powder



OptiFlex® 2 L



OptiFlex® 2 C

Increase the productivity!

OptiFlex® 2 F and B are available as well with two control modules and manual guns.



For small quantities

If you need to process small batches of different parts, then your solution would be the OptiFlex® 2 L.

- Fluidized powder container
- Up to 4 litres of powder
- Removable powder container
- Quick-release for easy cleaning

For laboratory tests

If you need a solution for your laboratory tests or for small production runs, then the OptiFlex® 2 C, which features self-fluidizing 150 ml and 500 ml application cups, would be the gun of choice.

- Perfectly suited for small powder quantities
- Self-fluidizing application cup
- Processes powder quantities from 20 g to 250 g
- Cleaning in a flash