

OptiGun® GA04

One gun masters all challenges



Highest performance at all times

The new OptiGun GA04 series featuring industry-leading PowerBoost® high-performance technology with 110 kV charging power, delivers higher productivity, increased process speeds and maximum first-pass transfer efficiency, resulting in ultimate coating performance. The robust gun design ensures reliability, quality and best coating results for all industrial coating applications. A wide range of nozzles and extensions that enable an optimal spray pattern for different objects and powder types complete the range.

Your global partner for high quality powder coating



Power and robustness

Integrated PowerBoost technology

The new OptiGun GA04 with 110 kV high-performance cascade and industry leading PowerBoost high-performance technology delivers maximum charging capacity in the powder coating industry while fully complying with safety regulations.

The integrated PowerBoost technology with field proven results leads the market with higher productivity, higher process speeds and maximum coverage performance.

Best gun for all industrial coating applications

OptiGun is the first choice for users requesting high quality and long-life application equipment covering all applications, including general industrial and heavy-duty applications.

The optimized gun design, the use of non-stick material and the straight, deposition-free powder path ensure fast and easy color change.

The redesigned SuperCorona and simplified connection provide enhanced application and gun cleaning. OptiGun is robust, providing a long term investment in finishing excellence with professional application, maintenance and spare parts support.

The most advanced powder application technology

OptiGun is perfectly matched to the OptiStar® control units and offers the highest level of coating efficiency and operator convenience:

- High transfer efficiency with any type of powder thanks to PowerBoost and the 110 kV high-performance cascade
- High-performance powder delivery with OptiSpray All-in-One dense-phase technology and proven powder delivery with OptiFlow injector and OptiStar 4.0
- The Precise Charge Control (PCC) mode provides higher precision and control of current settings below 10 μA and thus improves the coating quality
- The Digital Valve Control (DVC) technology enables precise control of the powder output and results in uniform coating thicknesses
- CAN-Bus for communication with higher level control system
- Performance tracking with GemaConnect® (E-App or Dashboard)



OptiStar 4.0



OptiSpray All-in-One



Gun versions for each application



GA04

Standard automatic gun with rear connection for injector or pump technology. Used e.g. as fixed gun in automatic booth systems.



GA04-X

Quick color change gun with rear connection for injector or pump technology. Typically used for reciprocating guns in automatic booth systems.



GA04-E

Extreme robust and wear-resistant enamel gun version for maximum coating efficiency.



SuperCorona

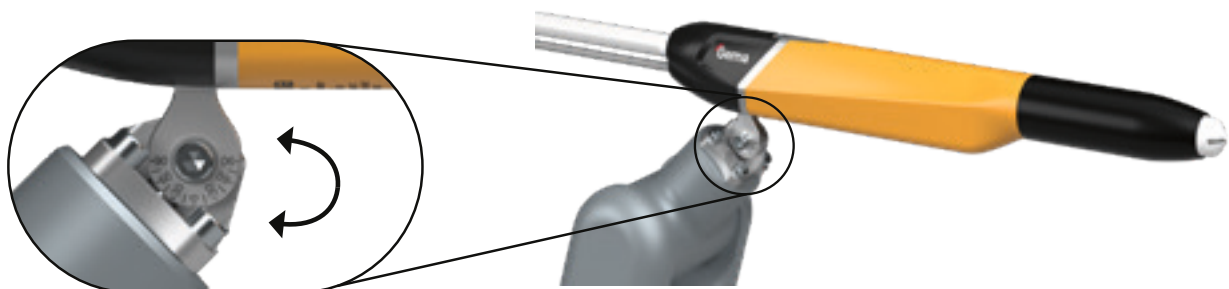
Each gun version can be equipped with a SuperCorona. SuperCorona reduces the free ions and avoids the orange peel effect when thicker coatings and high quality surfaces are required. SuperCorona is highly suitable for the application of textured powder applications, helps to reduce the picture frame effect and to build a consistent powder thickness.

Robot Gun version GA04-R

Flexible and compact robot gun design with angle mount and adjustable gun bracket design is optimized for any robot application. The gun increases application possibilities thanks to a flexible fixture that can be rotated from -90° – $+90^{\circ}$ in 15° increments and allows near-contour coating.

The robot gun is very easy to integrate into any robot application system. The GA04-R solution allows to save money and to increase the productivity of the coating line.

The gun is suitable for organic powder and enamel applications and operation with injector or SIT dense-phase pump technology. Nozzle extensions complement the robot gun allowing even the coating of hard-to-reach areas.



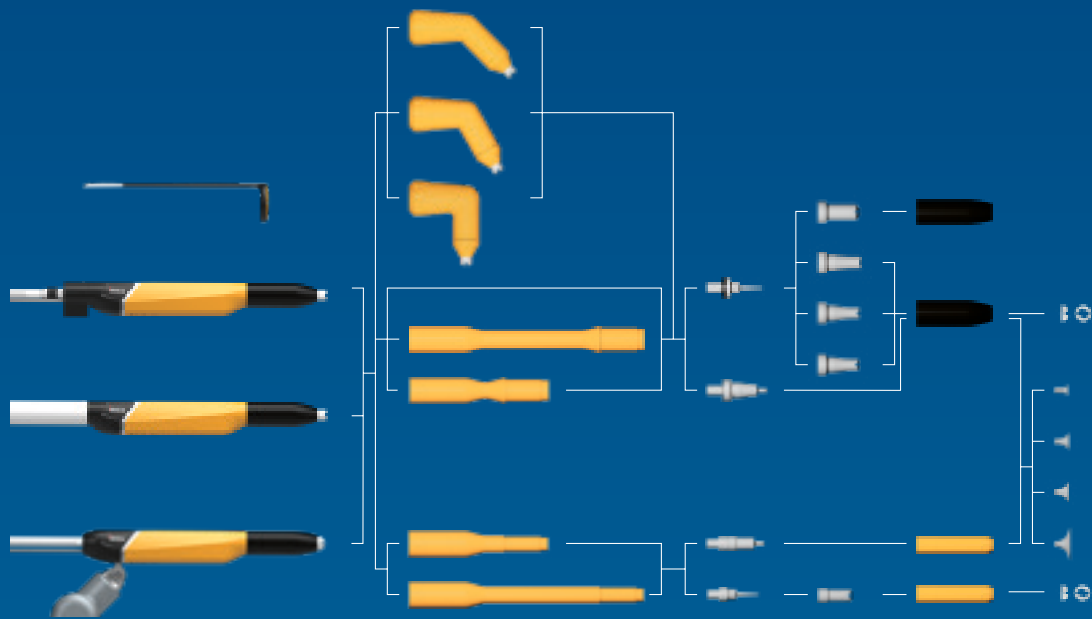
Nozzle assortment for precise application

The automatic gun system comes with a broad range of nozzles and extensions to cover all coating demands.

Flat Jet and Round Spray Nozzles ensure the optimal spray shape for the object. Extensions and elbows facilitate the access to complex geometries and areas.

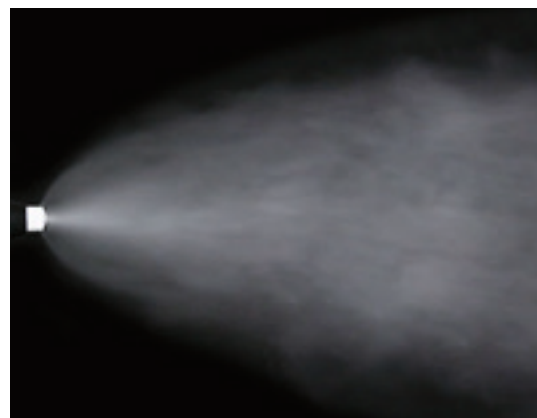
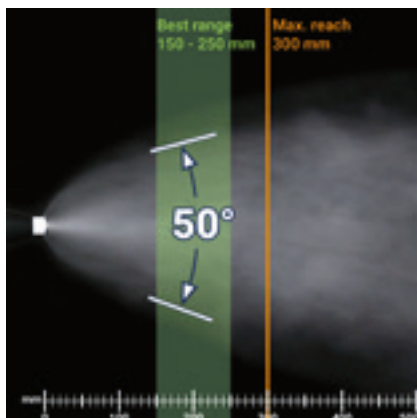
The uniquely designed PowerBoost nozzle provides a broader atomization pattern to meet demanding coverage rates across multiple powder types such as textured and metallic.

OptiGun GA04 is fully compatible with existing OptiGun GA03 extensions and nozzle assortment.



Unique spray pattern

Each nozzle is characterized by a unique spray pattern. This allows the targeted use for precise applications, geometries and powder types. Standard nozzles are available for all OptiGun GA04 versions. Also, the user has the option to selectively use additional special nozzles to master any coating challenge.



Characteristics of the nozzle define the spray pattern of the powder cloud for the optimum application range.

Unsurpassed quality and performance



OptiGun series – guns for any application

OptiGun is very compact and comes in different versions to be integrated into different powder coating automation solutions. The benefits of the OptiGun GA04 can be utilized within a standard coating system or robot application.

Whether applying standard organic, enamel, effect or metallic powders, the best coating results will be achieved producing the highest application quality.



Highest coating performance

OptiGun with the proven PowerBoost technology delivers the highest transfer efficiency in combination with the Gema gun control unit. The new feature completes the proven high-voltage functionalities, such as PCC mode, presets and individual coating programs and extends the application range significantly.

Perfect interaction of all system components

The combination of the innovative booth design of the Magic Systems matched with the best gun technology and the flexible and versatile OptiCenter® exceeds even highest customer expectations in coating quality and quick color change. The Magic Systems powder circuit guarantees continuous and consistent powder feed with minimal wear on parts. All system components are perfectly synchronized and ensure the best coating results and optimum working conditions.

Customer Benefit:

- Superior application performance with all types of powder
- Top color change qualities
- Highest levels of reliability
- Maximum flexibility
- Powder savings
- Operating cost reduction

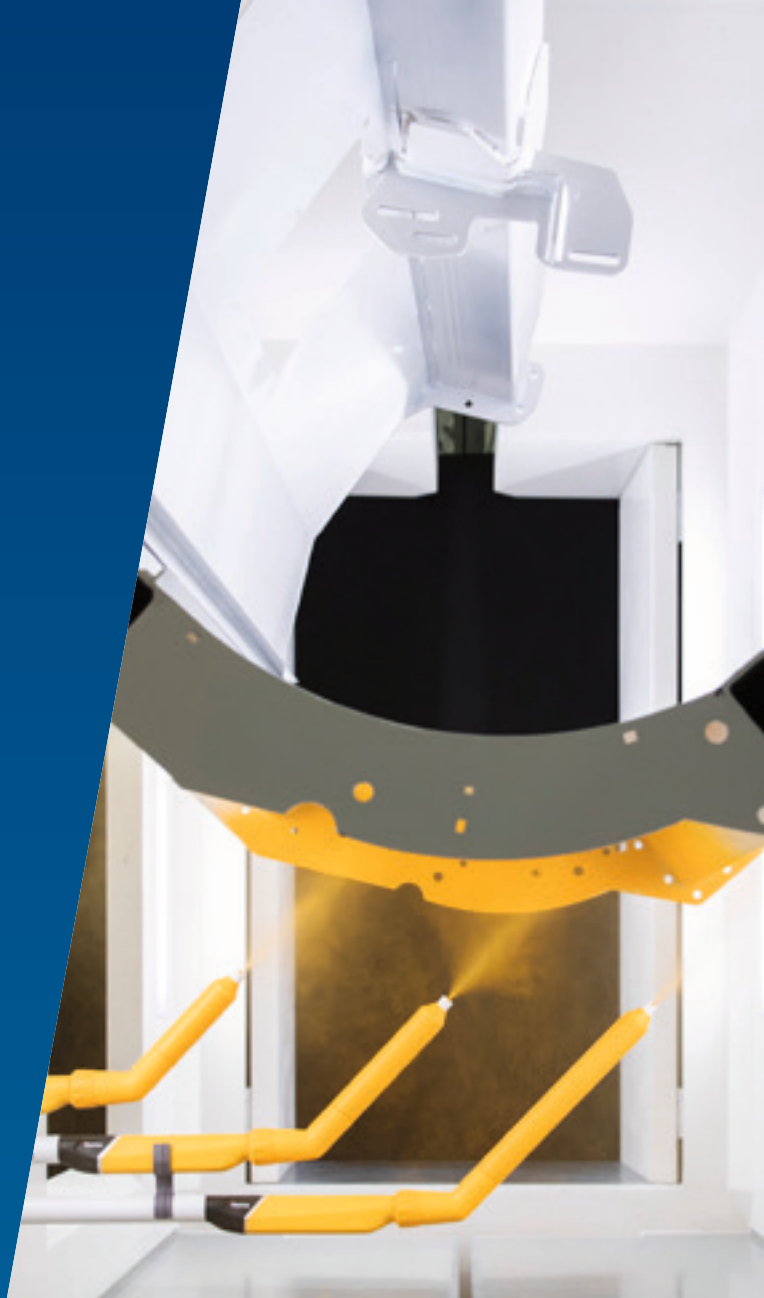


Gema Switzerland

Your global partner for high quality powder coating

Take advantage of our expertise and experience from more than 50 years of electrostatic powder coating applications. From simple hand coating through 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!

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