



Technology makes coating smarter

Guangzhou Zeheng Industrial Co.,Ltd
Headquarter · Guangzhou China
www.zeheng.com
Email: contact@zeheng.com

8 service centers
25 years focus on powder coating
Hotline 400 807 1900 / +86 13924221184



Our Wechat



Our WhatsApp



SuperGun MG01 Manual Gun

110kV easily handle all the product



Electrostatic Powder Manual Coating Solutions
Born for Flexible & Convenient, Superior Coating, Economical Use



SuperGun MG01

Easily handle complex coating problems
Flexibility, convenience, excellent coating,
economic use

Zeheng MG01 manual gun features China's leading patented 110kV High-performance cascade and advanced precision control for enhanced productivity. Its innovative design ensures durability, while intuitive manual operation simplifies and efficiently deals with various coating problems!

6 Advanced Advantages, Makes MG01 Different

110kV

High-performance
cascade

CVC

Constant voltage
control for a more
stable transfer process

MCC

Micro-current control,
precise penetration
into grooves

PFC

Precise flow control
for uniform film
thickness

IP64

Sealed, dustproof
and more durable

Various

Application methods,
more scenarios

Easy to use Start the new experience of manual coating



4000h

Experimental
certification



IP64

Dust and water
resistance



CONTINUOUS

Production

○ Ergonomic, comfortable to grip



The gun is designed with a professional center of gravity, a unique elevation angle and a well-balanced grip that is ergonomically designed for a comfortable grip and maneuverability.

Ensure a comfortable experience for operators during long-term continuous production processes, with easy and smooth use, ensure consistency of coating.

○ Tough material for any environment



The coating gun features a high-strength polypropylene exterior with an integrated anti-wear design for durability and reliability in harsh environments, reducing maintenance costs.

Its industrial-grade body meets IP64 dustproof standards, ensuring easy cleaning, fast maintenance, and easy to cope with production.



○ Convenient control for better efficiency

Unique trigger control design, easy to press, instant start/stop in milliseconds. A double-click enables continuous coating, reducing operator fatigue.

The external touch button allows quick mode switching and access to preset programs for enhanced convenience.

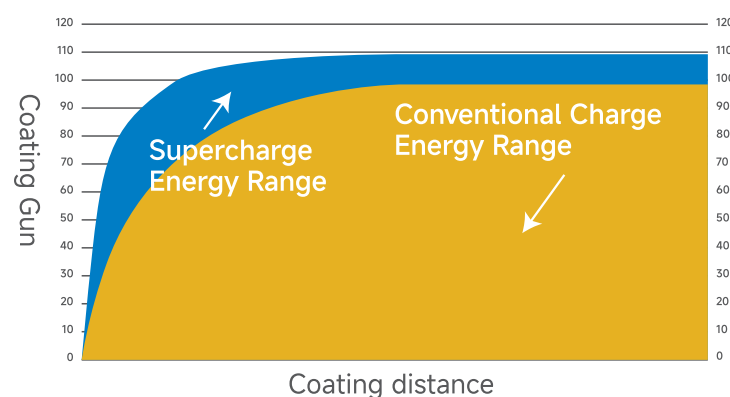
Patented high-voltage Tech. SuperCharge

Maximum 110kV Rapid charging Strong electrical power for faster productivity boost

MG01 uses the China's pioneered 110kV high-performance cascade, which exceeds the traditional charging capacity and adapts to any type of powder. It can charge more powder at one time during the coating process, with better transmission speed and faster powder application, easily improving coating efficiency.



Comparison of the energy range of supercharge and conventional charge



Under 110kV mode
coating a 2m² flat plate only needs 60s,
with a film thickness of 80μm



Larger
coating area



Higher
production
efficiency



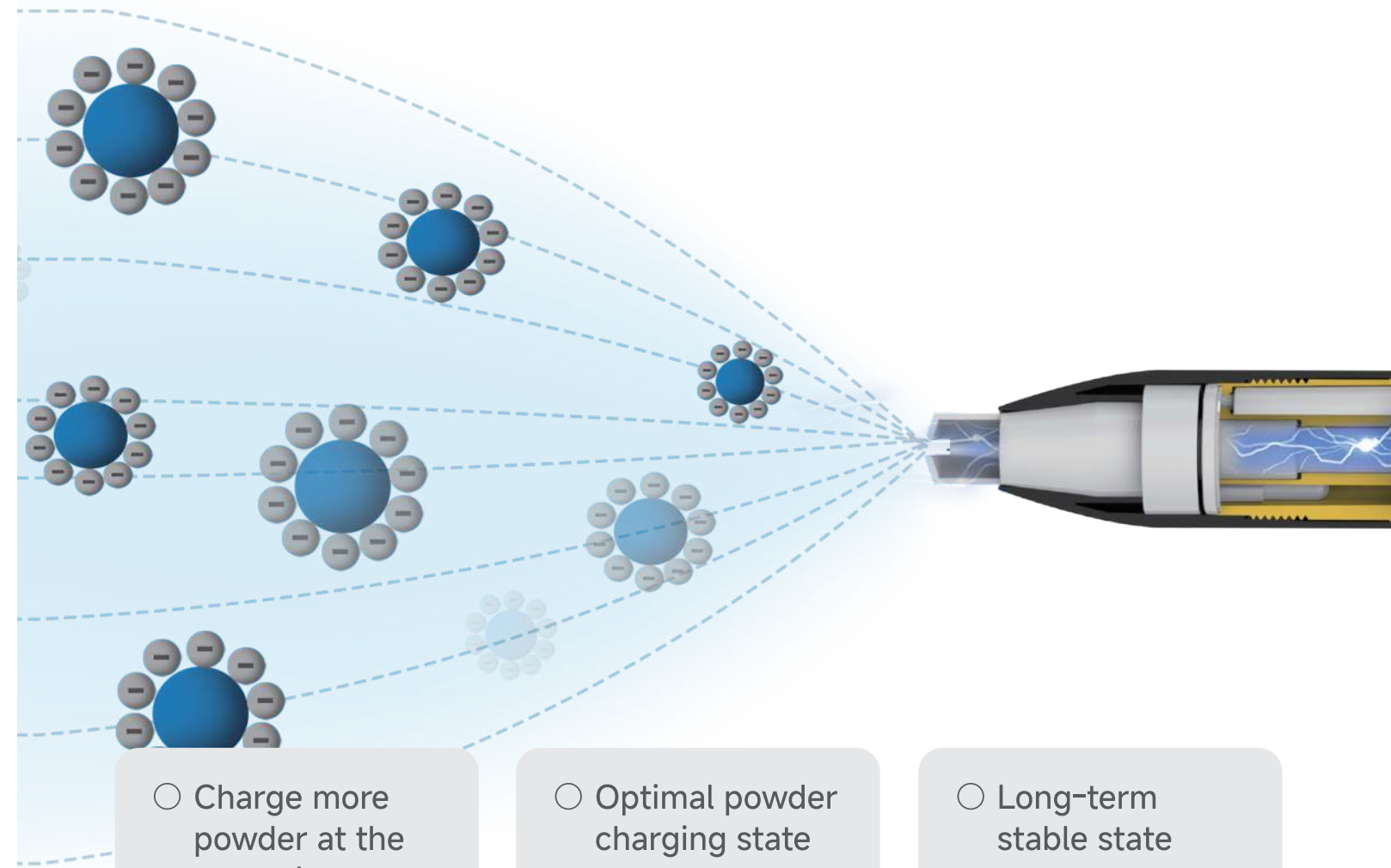
Faster
conveying
speed



Adapt easily
Powder types
(metallic powder)

Under the same production demand,
use MG01

Better powder coating condition Higher coating efficiency



○ Charge more powder at the same time

110kV high-performance cascade fully and efficiently releases static electricity, forming a stronger electric field, so that the powder obtains a stronger charge and improves the adsorption of the powder to the workpiece

○ Optimal powder charging state

Constant voltage control technology, during the coating process, the voltage and gas path are constant and intelligently optimized, without reducing the pressure throughout the process, so that more powder can reach the optimal charging state.

○ Long-term stable state

The electrode three-time needle air intake self-cleaning technology is applied to keep the needle tip clean, static electricity release is long-lasting and stable, and the powder mist type is optimized

PFC precise flow control
& MCC micro-current control

High-precision penetration in grooves The coating film is uniform and comprehensive

○ MCC Micro-Current Control

Precise current control leads to a leap in coating quality

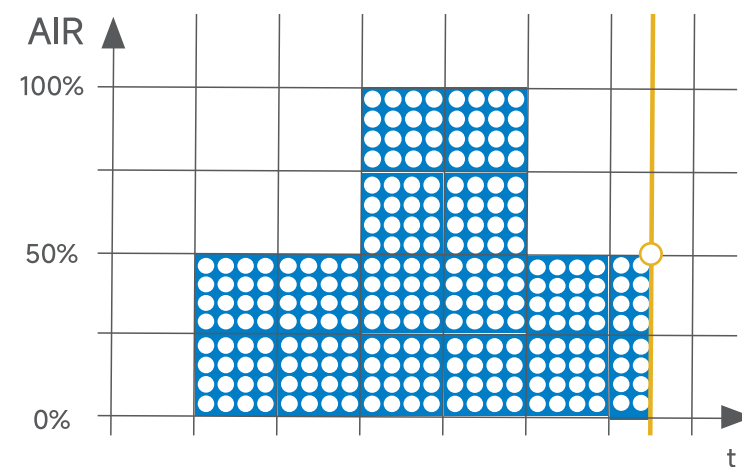
Designed for complex geometric product, it achieves precise charge control below $10\mu\text{A}$, adjustment rate as low as $0.1\mu\text{A}$, preventing overspray and ensuring uniform, attractive coatings, greatly enhancing coating precision and quality.



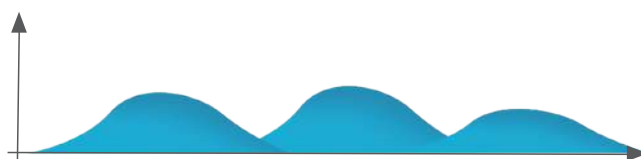
○ PFC Precise Flow Control

Precision powder flow control ensures uniform and excellent powder coating

Precise flow control offers high-precision powder flow control for adjustable powder output and coating speeds. It optimizes the flight path of powder particles and the coat pattern, resulting in more uniform and smooth coatings on workpieces.



Powder coating effect of traditional gun



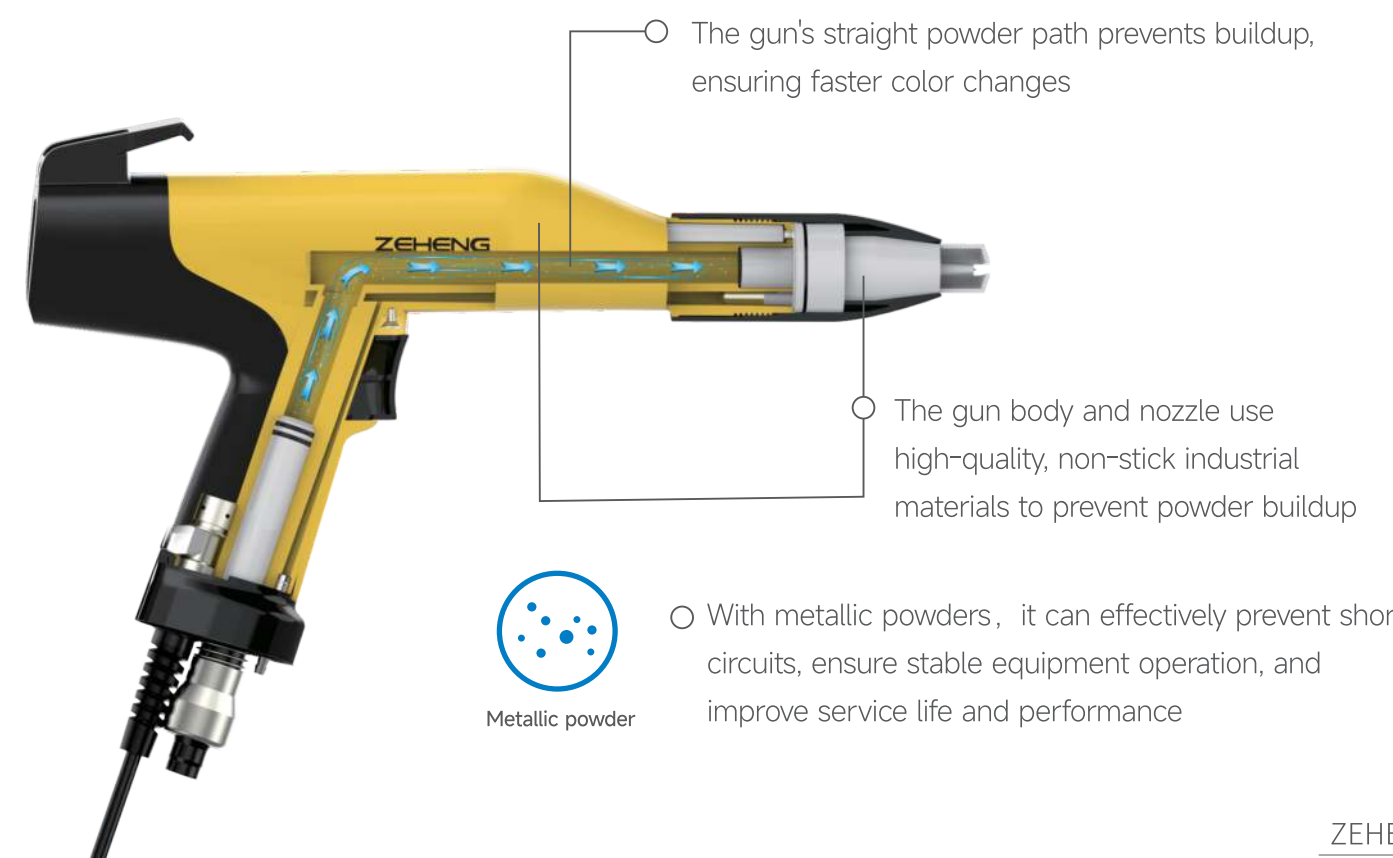
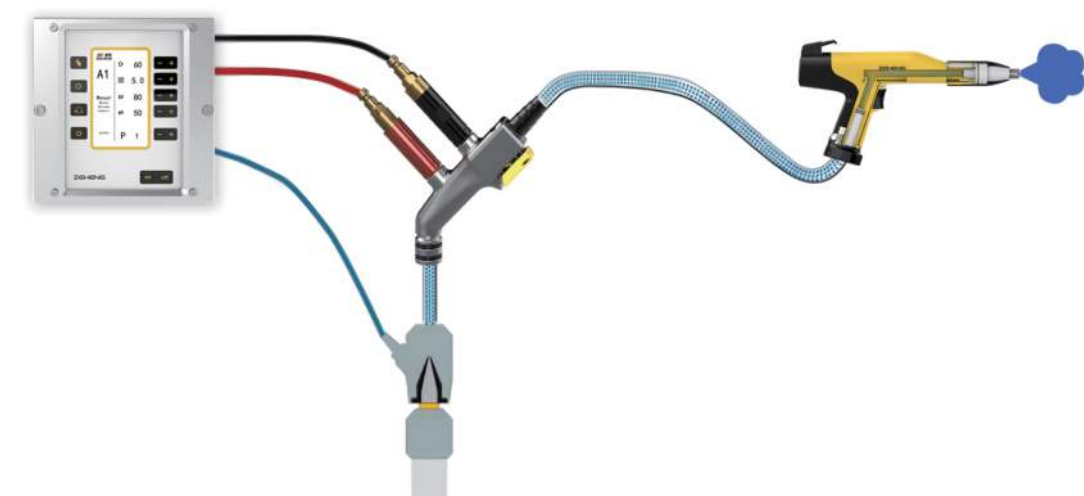
Powder coating effect of Zeheng gun



PowderClean self-cleaning

Improve performance Quick and easy color change

With advanced self-cleaning technology, a single click clears the entire powder path, ensuring stable performance for challenging powders like metallic. It enables quick color changes, enhances efficiency, and supports stable production.



SuperControl MGC01 Controller



Intelligent control for all-around excellence



IP54
dust and water
resistance



Manipulation
simple and
intelligent



Multi-system
interconnectivity



**Customized
development**
personalized
control system



LCD display control, instant access

Digital display of electric and air settings, quick and smooth parameter adjustments, easy to operate and instantly accessible

Customized system upgrades broaden production potential

Based on workpiece characteristics, equipment setup, and production conditions, we could provide personalized control systems to meet diverse production needs.



Multi-purpose Optional powder pump

Three optional powder pump modes: Venturi pump, dense-phase single pump, dense-phase double pump
Equipped with PFC powder flow control, MCC micro-current, and other advanced fine control technology

Simple to use Smart and reliable

The one-touch quick cleaning function simplifies the coating gun maintenance process
Built-in self-diagnosis system detects operating status in real time and immediately warns of potential problems

- 1. Page display switch
- 2. Hose cleaning
- 3. Mode selection
- 4. System parameter mode
- 5. Powder output
- 6. Total amount of air
- 7. High pressure
- 8. Coating power
- 9. Preset program



Open integrated framework smart management

Supports PC and central control, enabling flexible remote management and monitoring
Uses Ethernet for broad compatibility and seamless system integration



Supports all powder types Intelligent parameter matching

Stores up to 30 coating recipes for precise, repeatable, and personalized coating
Pre-set adjustable voltage and current ensure optimal coating for resin, metallic, and other powders



Upgraded performance Varies configurations for all coating needs



○ Easy to upgrade

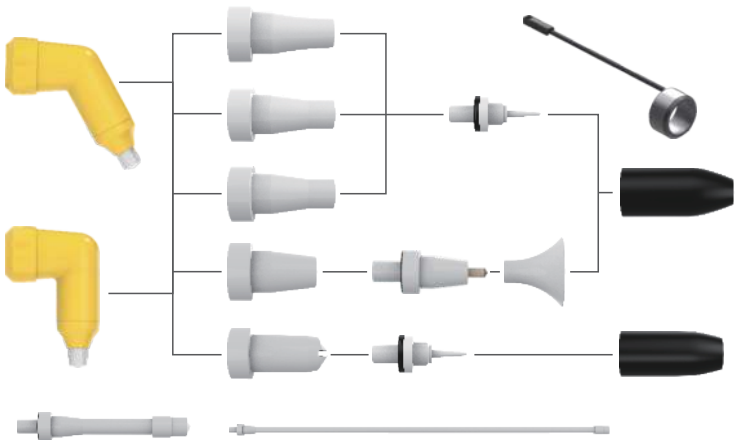
Supports flexible combinations with Venturi powder pumps and dense phase conveying pumps, enabling production line upgrades without changing the gun and easily adapting to future challenges.



Venturi pump 300g/min
DP01 pump 450g/min
DP02 pump 900g/min

○ Various accessories:

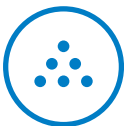
Equipped with Nozzles, Extensions
Allows for coating diverse and complex geometric workpieces.



※ The picture shows some model accessories

○ Various powders

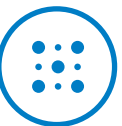
Better powder atomization under 110kV high voltage
Meet the high-quality coating needs of different types of powders.



Resin powder



Metallic powder



Epoxy powder

Variety of combinations

Meet different applications

The MG01 can be mounted on a wall bracket for perfect integration with powder booth system and can be used at any time.

It can also be paired with various components like powder hoppers and cups, meets the needs of industrial production, lab, and compact spaces, offering versatile application advantages.



Plus W General Asst

Multi-Solutions, Unlimited Integration

- The bracket mounts easily on the powder booth wall or production site, fitting into any environment
- Supports powder intake from a powder center's fluidized hopper or original box, adapting to production needs



Plus F Continuous production

Suitable for Long-Term Continuous Use of The Same Powder

- 50L hopper supports continuous production without frequent powder refilling
- Compatible with various powder types, such as resin powder, metallic powder, etc



Plus B Color Change Specialist

Frequent and Fast Color Change

- Optimized for original powder box: The mobile cart's base fits directly onto the powder box, with a scratch-resistant, easy-to-clean surface
- Fast, clean color changes: Powder is fed directly from the box, minimizing changeover time and preventing contamination—ideal for frequent color changes
- Integrated fluidization: The tilted base is equipped with vibration function, achieving integrated fluidization and completely emptying the powder



Plus C Lab Sample Asst

High Demand & Small Batch Coating

- Special powder cup design: Self-fluidizing powder cup (150ml & 500ml) easily integrates with manual guns for flexibility
- Precision coating: Processes 20-250g of powder per minute, ideal for sample coating with high efficiency and ease of use



Plus CF Lab Coating Asst

Small-Batch & Quick Color Changes Coating

- Special funnel cup: 300ml & 600ml capacities for flexible small-batch coating
- Ultra-fast color change: change colors in 20s, boosting efficiency
- Visualized powder flow: Open-top design for easy monitoring of powder delivery



Plus S Powder Fluidization Asst

Solution for Difficult-to-Fluidize Powders

- Unique stirring system: 18L stirring hopper ensures efficient powder fluidization
- Enhanced coating quality: Prevents powder separation, improves fluidization, and ensures uniform, stable coating
- Quick & clean color change: Flip-cover design for the hopper bottom, enables fast residual powder collection, residue-free cleaning, and reduced powder waste



Plus L Test Partner

Ideal for Lab Use, Quality Testing

- Mini-hopper design: 4L movable hopper, easy cleaning and color changes
- Improved efficiency: Perfect for experiments and coating quality tests, boosting work efficiency

Core component parameters



Basic parameters of gun		
Weight 0.55kg	Length 350mm	Standard input voltage 12V
Standard output voltage 100kV	Maximum output voltage 110kV	Frequency 18kHz
Polarity Positive/negative electrode	Applicable powder Metal powder, polyester powder	Maximum Powder output 300g/min、900g/min
Level of protection IP64	Explosion-proof rating 21区 (GB)	

Basic parameters of controller		
Standard input voltage 100-240 VAC	Standard output voltage (to spray gun) 12V	Frequency 50-60Hz
Input pressure 5.5bar,6.0bar 6.5bar	Minimum input pressure (when equipment is in use) 5.5bar	Overall dimensions 173mm*250mm*177mm

Why choose Zeheng coating guns?

- A deeper understanding of market demands**

With 25 years in the powder coating market, Zeheng custom develops guns tailored to users'characteristics, ensuring every detail matches your usage habits.
- Rich practical experience in production lines**

Zeheng, certified by 2,700 customers and 1,000 production lines, has gained extensive on-site experience. We understand the nuances and pain points in different fields, enabling us to offer targeted solutions and comprehensive support.
- More Economic high-performance production lines**

Zeheng gun, developed from years of experience, deliver performance and quality on par with international brands. We offer top-tier technology at a more economical price, ensuring an exceptional production line experience with high cost performance.
- Optimized product expansion potential**

Zeheng prioritizes technological innovation in product development, integrating cutting-edge technologies like digitalization and AI. Our guns are designed for compatibility with future production line developments, making it easier to meet upcoming upgrade challenges.

