Professional Car Detailing Supplies For Precise Paint Spraying

Our Product Introduction

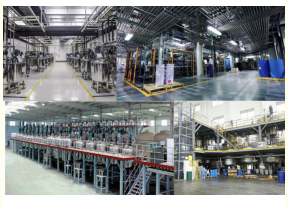
Basic Information

- Place of Origin: China
- Brand Name: Meklon
- Certification: ISO,MSDS,SGS
- Model Number: spray gun
- Minimum Order Quantity: 200piece
- Price: 2.75USD/piece-5.56USD/piece
- Packaging Details: Box/Carton
- Delivery Time: 10-15 Work Day
- Payment Terms: T/T
- Supply Ability: 500piece per day

Product Specification

- Features: Soft, Absorbent, Durable
- Name: Spray Gun
- Compatibility: All Types Of Vehicles
- Application Area: Chemical
- Origin: Guangdong China
- Scent: Various Scents Available
- Country Of Origin: China
- Bottle Color: Yellow
- Stirring Type: Spiral
- Function: Cleaning
- Production Capacity: 50000 Piece/Pieces Per Day
- Fade Resistance: Yes
- Working: Agitator
- Ease Of Use: User-friendly Application
- Mixer Type: Static Mixers

More Images



Our Product Introduction

Product Description

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Gun body: The gun body is the main part of the paint spray gun, usually made of metal, such as aluminum alloy. It serves to connect and support other parts, and is ergonomically designed for easy holding and operation by users.
Nozzle: The nozzle is a key component of the paint spray gun, and its diameter will affect the effect of the paint spraying. Smaller nozzles are suitable for fine painting work, such as small areas such as car logos; larger nozzles can spray larger areas in a short time, but the sprayed paint mist particles are relatively coarse. The material of the nozzle generally has good wear resistance and corrosion resistance to ensure the uniformity and quality of the sprayed paint.
Needle valve: The needle valve is used to control the flow of paint. When the trigger is pressed, the needle valve is pushed to enable the paint to be sprayed from the nozzle. By adjusting the opening and closing degree of the needle valve, the amount of paint sprayed can be accurately controlled to meet different painting requirements, such as the needle valve opening can be adjusted to a smaller degree when spraying thin layers.
Air cap: The air cap is mainly used to guide and control the flow of compressed air. It surrounds the nozzle, and compressed air is sprayed through the small holes on the air cap, atomizing the paint flowing out of the nozzle. The design and arrangement of the small holes on the air cap will affect the shape, angle and distribution of the paint mist. For example, some air caps can produce fan-shaped paint mist, which is suitable for large-area flat spraying; while others can produce circular paint mist for local repairs, etc.
Trigger: The trigger is the part that the user uses to operate the paint spray gun. When the finger presses the trigger, the paint supply and compressed air supply system will be started at the same time (in some high-end spray guns, the supply of paint and air can be adjusted separately through different control devices), so that the paint spray gun starts working. The design of the trigger should be sensitive and have appropriate elasticity so that the user can accurately control the start and stop of the spraying.
Paint cup or paint can: A paint cup or paint can is a container for storing paint. The paint cup generally has a small capacity and is suitable for small-area spraying work. It can be directly installed on the spray gun. Some paint cups are transparent, which is convenient for users to observe the remaining amount of paint. The paint can has a large capacity and is usually connected to the paint spray gun through a pipe, which is suitable for long-term and large-area painting operations.
2. Working principle
The car paint spray gun uses compressed air to atomize the paint and spray it onto the surface of the car. When the trigger is pressed, compressed air is ejected at high speed from the small hole in the air cap, forming a low-pressure area at the nozzle outlet. At the same time, the needle valve opens, and the paint is sucked out of the paint cup or paint can under the action of the pressure difference and flows to the nozzle. At the nozzle outlet, the paint is atomized into tiny particles by the high-speed flow of compressed air to form paint mist. These paint mists are sprayed onto the surface of the car. Because the paint mist particles are small and evenly distributed, they can form a smooth and uniform coating on the surface of the car.

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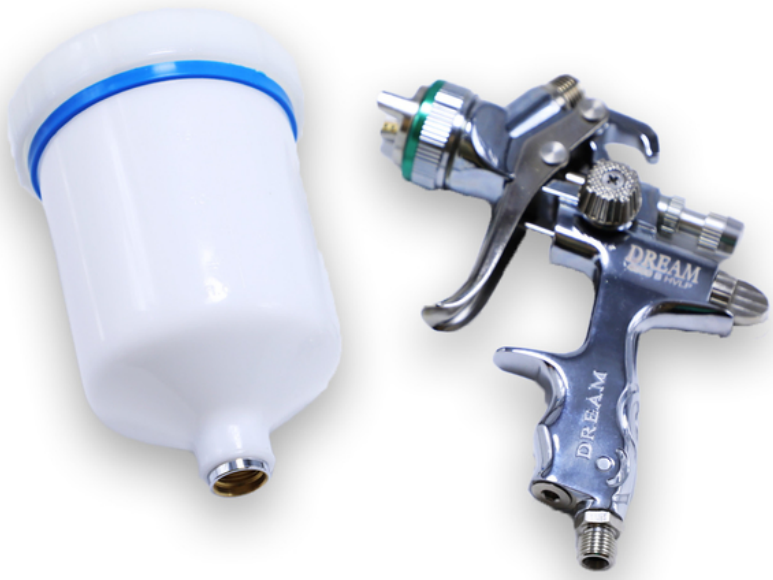

3. Classification
Classification by paint supply method
Gravity spray gun: The paint cup is installed above the spray gun, and the paint flows into the nozzle by its own gravity. The advantage of this spray gun is that the paint supply is relatively stable and the paint flow can be better controlled, which is suitable for fine painting work and small area repairs. For example, when repairing car scratches, using a gravity spray gun can more accurately control the amount of paint, so that the repaired surface blends better with the surrounding area.
Siphon spray gun: The paint cup is installed under the spray gun, and the paint is sucked into the spray gun by the siphon principle. Its working principle is that when the air pressure in the spray gun is lower than the outside atmospheric pressure,

the outside atmospheric pressure will press the paint into the spray gun. The advantage of the siphon spray gun is that it can use a larger capacity paint cup, which is suitable for large-area painting operations.
Pressure spray gun: The paint is stored in an independent pressure tank, and the paint is delivered to the spray gun by applying pressure to the pressure tank. This spray gun can provide a stable paint flow and can be used for high-viscosity paint. It is suitable for large-scale painting operations such as industrial-grade automobile painting production lines.
Classification by atomization method
Internal mixing spray gun: The paint and compressed air are mixed inside the spray gun before being sprayed out. This method can produce a more delicate atomization effect, but the structure of the spray gun is relatively complex, and cleaning and maintenance are also more troublesome.
External mixing spray gun: The paint and compressed air are mixed outside the spray gun. Its advantages are simple structure and easy cleaning, but the atomization effect may be slightly worse than the internal mixing type.
4. Precautions for use
Cleaning and maintenance
After each use, the paint spray gun should be cleaned in time. Because the car paint will clog the nozzle, needle valve and other parts after drying, affecting the performance of the paint spray gun. When cleaning, it is generally necessary to use a special spray gun cleaner to clean the paint residue. At the same time, the paint spray gun should be disassembled and inspected regularly, such as checking whether the seal is damaged.
Adjusting parameters
Before painting, it is necessary to adjust the air pressure, paint flow and other parameters of the paint spray gun according to the type, viscosity and requirements of the paint. If the air pressure is too high, the paint mist may be too dispersed and the adhesion of the paint will decrease; if the paint flow is too large, it will cause paint accumulation and form a sagging phenomenon.
Gun holding posture and operating skills
The correct gun holding posture helps to ensure the uniformity of the paint spray. Generally, the spray gun should be kept perpendicular to the surface of the car and kept at an appropriate distance, usually about 15-20 cm. When moving the spray gun, keep a constant speed and smooth movement, and avoid sudden acceleration or deceleration, so that the paint mist can be evenly distributed on the surface of the car.
V. Scope of application
Car paint spray guns are mainly used for whole-vehicle painting in the production and manufacturing process of automobiles, as well as body surface repair and repainting in automobile repair and maintenance. In the field of automobile modification, it is also used to add personalized painting effects to cars.

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Manufacturer introduction:
Meklon has a professional design team who deeply studies the latest trends in spraying technology and user needs. Through advanced computer-aided design software, every detail of the spray gun is carefully designed to ensure that it achieves the best balance in terms of function and ergonomics. During the R&D stage, we will conduct a lot of simulation tests to optimize the internal structure and airflow channels of the spray gun to achieve excellent atomization effect and paint transfer efficiency.

Raw material selection

Only high-quality raw materials are selected to ensure the durability and performance stability of the spray gun. The gun body is made of high-strength aluminum alloy material, which has good corrosion resistance and wear resistance after precision processing and surface treatment. Key components such as nozzles and needle valves are made of special stainless steel alloys, which are finely ground and heat-treated to ensure their dimensional accuracy and hardness, and can work stably for a long time and resist paint corrosion and wear.

Parts processing

With advanced CNC processing equipment and precision mold manufacturing technology, we ensure that the processing accuracy of each component can reach extremely high standards. The aperture processing accuracy error of the nozzle is controlled within a very small range to ensure the uniformity and stability of the paint mist. The straightness and sealing of the needle valve are also strictly tested and adjusted to ensure the precise control of the paint flow.

Assembly and debugging

In a clean assembly workshop, experienced technical workers assemble the spray gun. Each component is strictly cleaned and inspected before assembly to ensure the accuracy and consistency of the assembly process. After assembly, each spray gun is fully debugged for performance, including air pressure test, paint flow adjustment, atomization effect test, etc., to ensure that the spray gun can achieve optimal performance under various working conditions.

Quality inspection
A strict quality inspection system has been established, and every link is strictly inspected from the entry of raw materials to the exit of finished products. Advanced inspection equipment such as laser measuring instruments, microscopes, pressure testers, etc. are used to comprehensively inspect the appearance, size, performance, etc. of the spray gun. Only spray guns that pass all inspection items can be labeled as qualified and enter the market for sale.
2. Product quality
Excellent performance
Our spray guns have excellent atomization effect, which can evenly atomize the paint into tiny particles, making the surface smooth and flat after spraying, without defects such as sagging and orange peel. The paint flow control is precise, and users can easily adjust it according to different spraying needs. Whether it is fine local repair or large-area vehicle spraying, it can achieve the ideal effect.
Durability
After careful material selection and strict processing technology, the spray gun has extremely high durability. Under normal use and maintenance, it can work stably for a long time and is not prone to failure. The corrosion and wear resistance of the gun body and key components ensure that the spray gun can maintain a good condition even in harsh working environments, extending its service life.
Reliability
Each spray gun undergoes rigorous performance testing and quality inspection before leaving the factory to ensure that it can operate reliably under various working conditions. We control the quality of our products throughout the entire production process, from design to raw material procurement, from processing and manufacturing to assembly and commissioning. Every link is strictly operated in accordance with international standards and industry specifications to provide users with trustworthy products.
III. Shelf life
We provide a quality guarantee period of [X] years for our products. During the warranty period, if the user finds quality problems with the product under normal use, we will provide free repair or replacement services. We have a professional after-sales team to provide users with technical support and service guarantees at any time to ensure that users can use our products without worries.

4. Global sales and customer affirmation
Sales network expansion
For many years, we have been committed to expanding the global sales network, and our products have been wholesaled all over the world. By participating in internationally renowned auto parts exhibitions, coating equipment exhibitions and other industry events, our spray gun products have received widespread attention and recognition. At present, we have established stable sales channels in Europe, North America, Asia, Africa and other regions, and have established long-term cooperative

relations with many well-known dealers and customers.
Experience in cooperation with dealers in various places
In cooperation with dealers in various places, we focus on communication and collaboration. Provide dealers with comprehensive product training and technical support to help them better understand and sell our products. We will formulate personalized marketing strategies and sales plans according to the market needs and characteristics of different regions, and jointly develop the market with dealers. At the same time, we have established an efficient logistics distribution system to ensure that products can be delivered to dealers in various places in a timely and accurate manner to meet customer needs.
Customer affirmation and feedback
Our products have won high recognition from customers all over the world. European auto repair shop customers praise our spray guns for their easy operation and stable performance, which can greatly improve their work efficiency and repair quality. North American auto manufacturer customers said that our spray guns perform well on large-scale production lines, and their precise paint control and excellent atomization effect save them a lot of paint costs while improving the appearance quality of the product. Asian auto modification shop customers favor the diverse functions and personalized designs of our spray guns, believing that it adds unique competitiveness to their modification business.
Customer feedback is our driving force for continuous progress. We actively collect customer opinions and suggestions, and continuously improve the design and performance of our products to better meet market demand. Through close cooperation and interaction with customers, our brand has established a good reputation worldwide and has become a well-known brand in the spray gun industry.
We will continue to uphold the concept of "quality first, customer first", continuously innovate and improve product quality, provide global customers with better quality spray gun products and services, and create more brilliant achievements in the field of spray gun manufacturing.

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