



IONIZER GUN

GENERAL

CODE	DESCRIPTION
IZG10	Ionizer gun



DESCRIPTION

The Ionizer gun is an advanced system that generates positive and negative ions to neutralise static electricity on surfaces.

By combining ions with a directed air flow, it effectively eliminates static charge, helping to prevent up to 80% of defects such as marks, shadows, paint overspray, halos and dust inclusions. This significantly improves the application of metallic basecoats, clear coats and other finishes.

The system consists of an ion generator, an air valve that directs compressed air onto the surface to be treated, and a laser pointer that clearly indicates the active neutralisation area.

The Ionizer gun is very easy to use and delivers excellent results. It also helps to reduce costs by cutting correction time and minimising the use of additional materials to fix defects.

It is suitable for all types of statically charged surfaces (glass, wood, metal, etc.). It is even recommended to wipe down the gun itself before use to remove any static charge that may build up on the operator's protective equipment.

PROPERTIES

- Rechargeable battery operated ionisation gun
- No radioactive radiation
- Long working time, up to 6 hours on one charge
- 50% + reduction of dust inclusions in the paintwork
- Higher colour accuracy also with "difficult" colours
- Less colour difference on plastic parts
- Even coverage of difficult plastic parts
- Optimises the painting process, saves time and material, increases profitability Significant reduction of polishing and finishing times
- Light, robust and easy to use
- Atex approved

USAGE

1. Cleaning -degreasing
2. Blow dry
3. Tackrag
4. Ionizer gun, optimal 2-4 bar
5. Spray



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TECHNICAL SPECIFICATIONS

Input voltage	5 VDC.
Max. charging current	550 mA.
Output voltage	+/-6500 V Tol.: 10%.
Max. output voltage	<=20uA.
Max. working power	1,5W.
Laser pointer	650nm <1mW Class II.
Charger	Input: 110/230V 50/60Hz. Output: 5Vdc 750mA.
Internal battery	LIPO 1800mAh 3,7v.
Battery charge cycles	500 full cycles. Battery 100% (3000 Hours). *For best battery performance, it is recommended to completely exhaust the battery charge before recharging.

EQUIPMENT OPERATION

1. The Ionizer gun does not require any installation before use. For optimal performance, follow the start-up and operating instructions below.
2. Connect the Ionizer gun to the charger. A full charge takes 3 hours and provides approximately 4 hours of continuous use. When the tool is not in use, the battery retains its charge for several days.
3. When the green LED lights up, the gun is ready for use.
4. Once fully charged, disconnect the gun from the charger and connect it to the air line. Set the pressure regulator to the desired working pressure.
5. Pull the trigger. The laser pointer shows the exact area being decontaminated and ionised.
6. Apply the ionisation in the same way you would apply paint, without changing distance, speed or spraying pressure.
7. Perform this operation before applying the basecoat and again before applying the clearcoat or topcoat.
8. Never use a tack cloth while the Ionizer is being applied.

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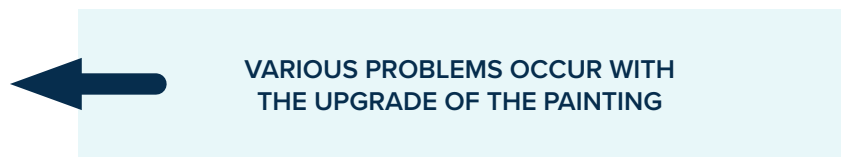
FEATURES

Why is static electricity generated during painting?

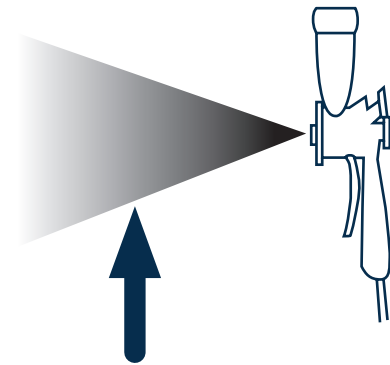
Static electricity is always around in dry weather.
Static electricity can cause problems when painting motor vehicles.
Static electricity can be increased by the preparation of the panel to be painted.

WORK generating static electricity

- Sanding the panel
- Cleaning the surface
- Blowing air over the surface
- A ir friction when spraying



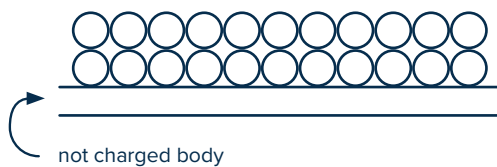
- You can see in the diagrams below how this works.
- The static charged particles shown in the right diagram are uneven.
- This surface will attract dust, uneven metallic lay down and give you a poor finish.
- When the static is neutralised, the particles are evenly laid down resulting in a dust free finish.
- The new anti static gun will help you achieve the perfect finish.
- A must in any paint shop.



STATIC ELECTRICITY IS GENERATED JUST BY FRICTION WITH AIR WHEN SPRAYING.

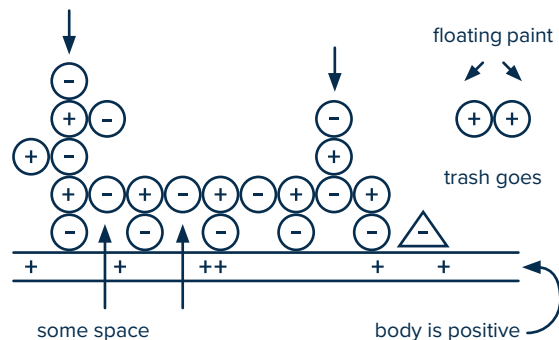
WITH IONIZER GUN

Without a static charge, the paint particles remain perfectly oriented as they are sprayed. Therefore, efficiency of paint transfer is improved as well as appearance.



WITHOUT IONIZER GUN

Paints or peals are not located side by side in a uniform order. Paint particles that have been repelled by static charges.





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SAFETY

- Do not open the equipment for maintenance or repair.
- Maximum air pressure: 6 bar.
- Do not heat or cool the equipment using external sources.
- Use the equipment only in ambient temperatures between -20°C and 40°C.
- The equipment is electrically protected for proper use.
- Do not power the system with any power supply other than the one provided by the manufacturer.
- Do not short-circuit the ion generator electrodes for an extended period, as this may cause irreparable internal damage.
- Avoid contact with the electrodes.
- Do not immerse any part of the Ionizer gun in any conductive liquid.
- Ensure that the working area is well ventilated before using the Ionizer. Do not use it at the same time as the painting process.
- Observe all safety regulations: the operator is responsible for using the machine correctly and in compliance with safety requirements, both personally and in the work area. Always use eye and ear protection.
- When using the spray gun, avoid bringing the nozzle close to, or pointing it toward, the eyes or ears.
- This product may interfere with pacemakers due to high-voltage discharges and other electric or magnetic fields. Users with pacemakers should seek information about possible risks before using this tool or being near it.
- Always use the charger in a safe area and regularly check the power cord to prevent accidents caused by damage.
- This machine may only be serviced and repaired by the official supplier's service department.
- This machine uses compressed air; only dry, clean and filtered air must be used. Use it only for intended purposes. It may also be used without air for short distances or small areas.
- When connecting or disconnecting the tool, follow standard safety procedures.
- Clean the exterior of the Ionizer gun with a slightly damp cloth (never a wet cloth). Whenever possible, use a microfibre cloth. Do not clean with solvents.
- If electrical equipment is disposed of in landfills or dumps, hazardous substances may leach into water and enter the food chain, posing a risk to health and the environment.