



WORKING PRINCIPLE

The CH200 complete units are essentially composed of:

- Electropneumatic rack generator: houses both the electric and pneumatic power and control circuits.
- Powder container or vibrating table.
- Venturi pump for the suction and delivery of the powders to the spray gun.
- The CH200 spray gun consists of a block of vacuum epoxy resin casting, that guarantees maximum levels of electric isolation and mechanical resistance.
- Trolley for transporting the entire system.

The spray gun and generator are connected by a low voltage cable in order to ensure the user's safety. Voltage transformation occurs via multiplier built into the spray gun, and aimed at guaranteeing a voltage of up to 100 KV to the electrodes.

The object to be painted, clean and possibly pre-treated, is electrically grounded. The powder is electrostatically charged by the electrodes placed at the spray gun's outlet and is attracted by the object: a surface completely covered in a uniform manner and with significant thickness is obtained.

The object is then placed in a baking oven where the powder melts forming an extremely resistant film.

The CH200 spray gun can be substituted by the CH200 TRIBO triboelectric spray gun powered by a mixture of powder/air via a powder passage hose and a compressed air hose: the powder is charged inside the spray gun by friction and the intensity of the additional air allows for regulation of the triboelectric effect. The electropneumatic generator allows for the verification of the intensity of the electrostatic charge.

Complete CH200 Group Technical Features

Supply voltage	110-220 V c.a
Maximum air supply pressure	7 bar
Installed power	60 W
Frequency	50 HZ
Powder flow	3-20 Kg/h
Polarity	negative

ADVICES FOR GOOD COATING RESULTS:

- Store the powder in a cool and dry place, in sealed containers that are subject to frequent stock turnover.
- The surfaces of the object to be treated must be free of any contaminating agents and the object must be correctly pretreated.
- The powder suppliers, the box, and the recovery system must be free of all contaminating agents and free of any powder that is different than that chosen for use.
- The compressed air must not contain water or oil.
- Correctly fasten the object and use the frames that allow for good grounding.
- The coating equipment must function correctly.
- The oven must be at the exact temperature in order to perfectly polymerise.
- During the process, periodically check pretreatment and baking.
- Sift and mix the powder in the recommended proportion with the new powder.
- Do not use silicon or paints with silicon near the system.
- Carefully choose the voltage value at which you want to work.
- When adjusting the air, of both powder delivery and the fluidised air bed, carefully follow the instructions contained in the manual in order to avoid "puffs" of powder and other abnormalities in the jet.

CH200 COMPLETE POWDER COATING GROUP

CODE	DESCRIPTION
9710	<p>Ch200 electrostatic powder group</p> <p>Complete with: Electrostatic generator Powder passage and additional air hose CH200 manual powder coating gun Ch200 generator gun Electrostatic cable CH200 Powder pump 30 kg Hopper Trolley</p>
9712	<p>Ch200 tribo electrostatic powder group</p> <p>Complete with: Electrostatic generator Powder passage and additional air hose CH200 manual powder coating gun TRIBO manual coating gun CH200 generator gun Electrostatic cable CH200 Powder pump 30 kg Hopper Trolley</p>
9714	<p>Complete CH200 AD Electrostatic System</p> <p>Complete with: Electrostatic generator Powder passage and additional air hose CH200 manual powder coating gun CH200 generator gun Electrostatic cable CH200 AD Powder pump Vibrating table Trolley</p> <p>This unit sucks the powder directly from the original package.</p>
9716	<p>CH200 AD Tribo Electrostatic Powder Group</p> <p>Complete with: Electrostatic generator Powder passage and additional air hose CH200 manual powder coating gun TRIBO manual coating gun CH200 generator gun Electrostatic cable CH200 AD Powder pump Vibrating table Trolley</p> <p>This unit sucks the powder directly from the original package.</p>



Technical features	
Power supply:	110-220 V c.a.
Max feed pressure:	7 bar
Installed power:	60 W
Frequency:	50 Hz
Powder flow:	3-20 Kg/h
Polarity:	Negative



* Specify nozzle type.