



WKCI MANUAL COATING SYSTEM – POWDER CONTAINER

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SKU: 19001

Categories: [Finishing Pumps](#), [Electrostatic equipment](#), [Pumps for carpentry](#)

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DESCRIZIONE DEL PRODOTTO

WKCI MANUAL COATING SYSTEM KIT C/W ELECTROPNEUMATIC RACK GENERATOR, GUN, HOSES, POWDER CONTAINER AND TROLLEY.

WORKING PRINCIPLE

The W.I.T. 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 W.I.T. 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 object is then placed in a baking oven where the powder melts forming an extremely resistant film. The standard spray gun can be substituted by the 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.

