

**RED LINE**  
INDUSTRIES LTD.  
An ISO 9001:2000 Company

**PC 201**

LATEST GENERATION 100 kV  
POWDER COATING MACHINE



SETTING BENCHMARK STANDARDS ...

... FOR OTHER TO FOLLOW



# The ultimate powder coating machine ...

# ... just got better!

## RED LINE *PC201*

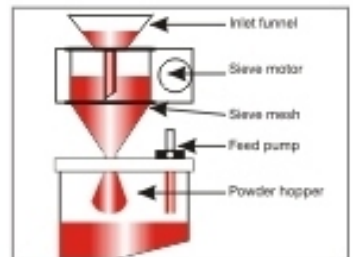
Built on the rugged and state-of-art technology based 201 platform and melded with the hugely popular PC structure, the RED LINE PC201 offers the user the best of both worlds - a production machine with unmatched benefits of modern technology and features that provide unbeatable facilities.

The control panel is user-friendly ... an electronic power-pack - to provide clean and regulated power supply to the machine, an electronic control-pack to provide the desired results with a pneumatic-pack to control the powder flow plus arrangements for the sieving system. The electronic power-pack cleans up your 'dirty' power supply and absorbs many power surges, voltage spikes and filters out unwanted power signals. A column of windows provides the status of these sub-systems. Resettable fuses never burn out and don't need replacement.

The powder feed pump ensures smooth, puff-free powder flow and a vent on the hopper prevents pressure build-up in the hopper.

Light weight and well-balanced, the RED LINE 201 spray gun allows effortless powder coating, hour after hour. High density HV insulation keeps the user away from the high voltage and the special electronic design of the spray gun ensures a long long life.

ProSieve - the high-capacity electrical sieving system is in-built for all powder to be sieved and cleaned of contaminants and impurities before being fed to the spray gun.



## Technical Specifications

### Input:

#### Power supply:

230 V AC, 50 Hz single phase with earth (ground)  
(110 V AC, 60 Hz also available on request)

- Spike protection and surge protection provided
- EMI filtration provided

#### Power consumption:

Max 50 VA (sieving system extra)

Sieving system: 125 W

#### Compressed air:

Max consumption: 15 NM<sup>3</sup>/hr @ 5 kg/cm<sup>2</sup> (70 psi)

Max pressure permitted: 7 kg/cm<sup>2</sup> (100 psi)

Normal operating pressure: 2-4 kg/cm<sup>2</sup> (30-55 psi)

Max moisture content permitted: 1.3 gm/M<sup>3</sup>\*

Max oil content permitted: 0.1 ppm\*

(\*recommended for all powder coating installations)

#### Manual spray gun:

Weight: Approx 600 gms (21 oz) without cable and powder hose

Input voltage: 0-5V at HF, controllable

Powder flow pattern generators: flat (fan) pattern nozzle & 12, 19, 25mm round

#### Powder hopper:

15 kg capacity, rectangular with rounded corners

#### Output:

**Charging voltage:** 20 - 100 kV (negative) infinitely controllable, (Positive charging guns available on request)

**Output current:** Max 140 uA

**Powder flow:** 0 - 500 gms/min (17 oz/min) infinitely controllable

#### ProSieve sieving system:

Type: Electrical 220-240V AC 50 Hz (other voltage supplies available on request)

Power consumption: 125 W

Max. powder throughput: 90-150 kgs/hr (depending on type of powder) fed directly into the hopper

#### Attachments and accessories (optional extras):

- Extension muzzle upto 1000mm
- Hoppers of various sizes and capacities



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