

THE INNOVATION IN POWDER COATING

Quantum Energy Automatic

The automatic gun with
Quantum Charge Management Technology



High Transfer Efficiency and Penetration Power

Reproducible brilliant Coatings

Manual set up was yesterday,

Automatic charge control -

is today.

Quality has a name: The Quantum Charger



THE INNOVATION IN POWDER COATING

Welcome to the future of High End Automatic Powder Coating...

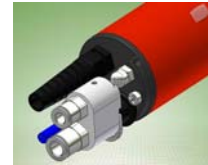
it's as simple as 1, 2, 3



Quantum Charge Technology

The quantum jump in powder coating application

And when we say automatic application, we mean it!



The Quantum Charge Technology, each electrode is integrated with its own counter electrode

The Quantum Charger and the integrated counter electrode will generate the same kind of charging characteristic and performance as that of Tribo Charging, but in a controllable way. Furthermore, the charge intensity of the guns will automatically adjust when the work piece approaches the guns

Different complex geometry and surfaces can be easily coated by just regulating the powder flow rate.

This is an enormous help for every worker on the coating line.

Automatic gun AG 123 – 1200

The combination of the low energy charging quality of the Quantum Charger Technology and the Soft Spray characteristics of the DDF Pump Technology will generate a higher quality finish of smoother surface with much less orange peel and less edge built up.

The automatic gun consisting of:

- Gun support, length = 1200mm
- Easy to clean Flat nozzle system
- Integrated fast coupling adapter to DDF powder hose for Soft Spray
- Fast coupling bayonet system to change to counter electrode
- Special nozzle (Option)
- Hose and control cable package
- Cascade : 85 KV, 60 μ A max. output



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The friendly Quantum Charger

Control System SCU 123A - 7



This System Control Unit (SCU) will provide centralized control from a touch screen display for all the major functions of up to 24 guns and Gun Control Units (GCU).

The function of each GCU can be adjusted and set independently or in unison with the other GCUs. Settings of multiple GCUs can be adjusted either with common values or proportionally.

Guns can be configured in up to 8 groups, for example, left-right-top bottom etc. and gun selection may be individual or multiple, in 1 group or multiple groups or all together.

The SCU will accept remote triggering to turn all guns on/off.

The individual gun control units can be set from the touch screen for remote gun triggering.

Basically the GCU system has 2 electrostatic control possibilities of production modes:

Mode 1:

The Quantum Charge Management System (Patent pend.).

This fully automatic electrostatic charge management system controls and regulates the electrostatic charge intensity dependant on the distance between the work piece and the gun.

Difficult complex work pieces and surfaces can be easy coated by just regulating the powder flow rate.

Mode 2:

With Mode 2 the current and voltage for the electrostatic charge intensity can be manually adjusted to the operator's preference.



Look out for the most advanced electrostatic powder coating system in the market!

**Quantum Charge Management Technology
And all for a reasonable price
Also available for upgrade systems**



THE INNOVATION IN POWDER COATING

The Quantum Charger

**Series123 automatic gun incorporating the
Quantum Charge Management Technology**



For generating smoother surface finish and superior penetration of corners and recess areas.

Go for the Quantum jump and ask us for a quote on the Quantum Charger + the DDF Pump System.

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