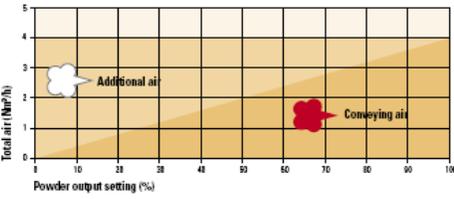
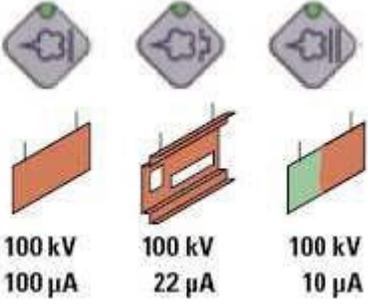
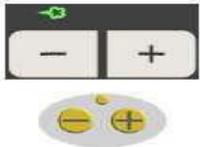


GEMA MANUAL POWDER GUN OPTIFLEX 2

Sr.	Description	Specification	Advantages
I	Ergonomic Design 		Operator can operate for longer times without fatigue. The optiFlex gun only weight 520 grams.
II	Powder Output 	Adjustable on gun	The integrated remote control ensures maximum coating comfort and flexibility. <ul style="list-style-type: none"> • Adjust power delivery or • Program switch on the gun.
III	Quick change connector 	Quick changeover	-The quick-change connector for the powder hose allows quick color changes ad comfortable one –hand operation. -The hose connection is designed so that the conductive powder hose is automatically grounded.
IV	Wide Range of Extensions 	Can be fitted on the same gun	Ideal distance to the work piece can be achieved for each coating application.
V	Wide Range of Nozzles 	Can be fitted on the same gun	Each application requires the right nozzle depending on the powder and geometry of the work piece.
VI	Super corona Attachment 		The low ionic charge with the retrofittable SuperCorona headpiece is used in all cases, where thicker coatings and a high optical coating quality are required. Typical areas of uses of SuperCorona Profiles, etc. -if collects excess electrons which do not allow powder to reach internal areas. -It reduces orange Peel. -To achieve above result the super Corona design is very impotent w.r.t Electrode Material, distance of the electrodes from tip.
VII	Integrated 100KV high voltage cascade.		Powder Savings in the Range of 25% to 35% over competition are achieved due to high Transfer efficiency, optimized and consistent coating results.
VIII	Safety		Optiselect is tested in compliance with the standards in force (PTB, FM, ATEX), which provide you all the safety you require.

Sr.	Description	Specification	Advantages
I	Auto Powder Gun Parameters 		
	High Voltage (Kilo Volts) Current (Micro Amps) Total air(Nm3/hr) Power Output (%) Rinsing Air (Nm3/hr)	Digital Display and Input	Can be input precisely
II	Current (Micro Amps) 	Can be adjusted on Digital Screen	Voltage shows the power of the gun. But current Control the coating parameters. In gema control Unit ,digital current control is provided so Coating Thickness, finish can be controlled precisely.
III	Powder Output 	Can be adjusted Digitally.	Coating thickness is directly proportional to Powder Output.E.g An increase by 5% result In coating thickness increase of 10 microns Digital Control enables to adjust output and so the coating thickness, very precisely which is very Useful in automatic application.
IV	Powder Conveying 	Powder flow is controlled by qty of conveying air and additional air to injector	For Constant and strong powder conveying from Hopper to gun, proportio of 2 Airs is very Important. With GEMA -Only one adjustment is kept on the control Unit and that too Digital. -Proportion of 2 Airs is automatically adjusted by Control Unit. -Adjustment is independent of powder output,(With other when you adjust the powder Output cannot be readjusted) -Result in uniform coating thickness.

Sr.	Description	Specification	Advantages
V	DVC (Digital Valve Control Technology) 	Airs,i.e Conveying Air, Additional Air,Rinsing Air are controlled by Digital Valves	-Guarantees a high precise powder output - Result are reproducible
VI	Presets 	Presets available on Control Panel for 1) Flat Parts 2) Complicated Parts 3) Recoating Parts	The preset Parameter are pre-input by GEMA, based on Experience and are very useful
VII	20 Programs 	All above mentioned process parameters can be stored in 20 different programs	Coating Parameters need to be adjusted for - Different Components - Component Profiles - Loading Patterns - Coating Thickness in Microns. - Powder Types - Conveyor Speed/Coating Time - Wearing of injector Nozzles With GEMA Use can be made 20 Programs and the programs can be just called. With Others -No Program storage facility so..All parameter need to recorded separately for different requirements. -No program storage and so no call up. -All parameters need to be changed from time to time as per requirement. -All parameters need to be adjusted for each guns it is time consuming and error are inevitable -Also analogue adjustments are not precise. -Adjustment is not reproducible.
VIII	Trigger counter	Total hours of gun trigger time is automatically stored in control unit	-The total operation time can be viewed on control unit - The same can be used in preventive maintenance schedule.

Sr.	Description	Specification	Advantages										
IX	Key Board Lock	The keyboard can be locked	-Program parameters can be changed only by authorized people -Operating parameter are available during keyboard lock										
X	Powder Hose Length Correction 	Powder output Correction is available for different hose Lengths	Guns may have different Powder Hose Length. Powder Output differs for different Lengths. Powder Output can be corrected in Control Unit itself.										
XI	RAM Reset	Reset function is available to factory inputs	Factory Defaults can be restored										
XII	Cleaning Mode 	Cleaning Mode	The powder hose can be cleaned with Air with this function										
XIII	Error Diagnosis 	HAVE technology. Air technology and power supply are constantly monitored in the control unit for correct functioning. Occurrence of any error is displayed on the unit.	About 40 different errors can be easily diagnosed Also last appeared 4 errors are stored in list by software.										
XIV	Remote Powder Output Adjustment 	Powder can be adjusted From manual gun	Very handy tool for the operator										
XV	Connectivity to PLC	If required the control unit can be connected to PLC using additional Digital Bus and in Network using Can bus	Voltage, current, Rinsing Air, Powder output, Total Air and 250 stored programs can be controlled from PLC.										
XVI	Powder Pump 	New 135 ° pump design.	New 135 ° pump design allows smoother powder flow and requires lesser air.										
XVII	Monitoring of wearing parts. 	Wearing parts have a limited service life. The OptiFlex 2 CG09 gun controller offers functionality to monitor the service life of up to four wearing parts using a reverse counter:	Example table: <table border="1" data-bbox="984 1822 1409 2024"> <thead> <tr> <th>No</th> <th>Wearing Part</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Insert sleeve</td> </tr> <tr> <td>2</td> <td>Powder Hose</td> </tr> <tr> <td>3</td> <td>Electrode holder</td> </tr> <tr> <td>4</td> <td>Pulverizing element</td> </tr> </tbody> </table>	No	Wearing Part	1	Insert sleeve	2	Powder Hose	3	Electrode holder	4	Pulverizing element
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