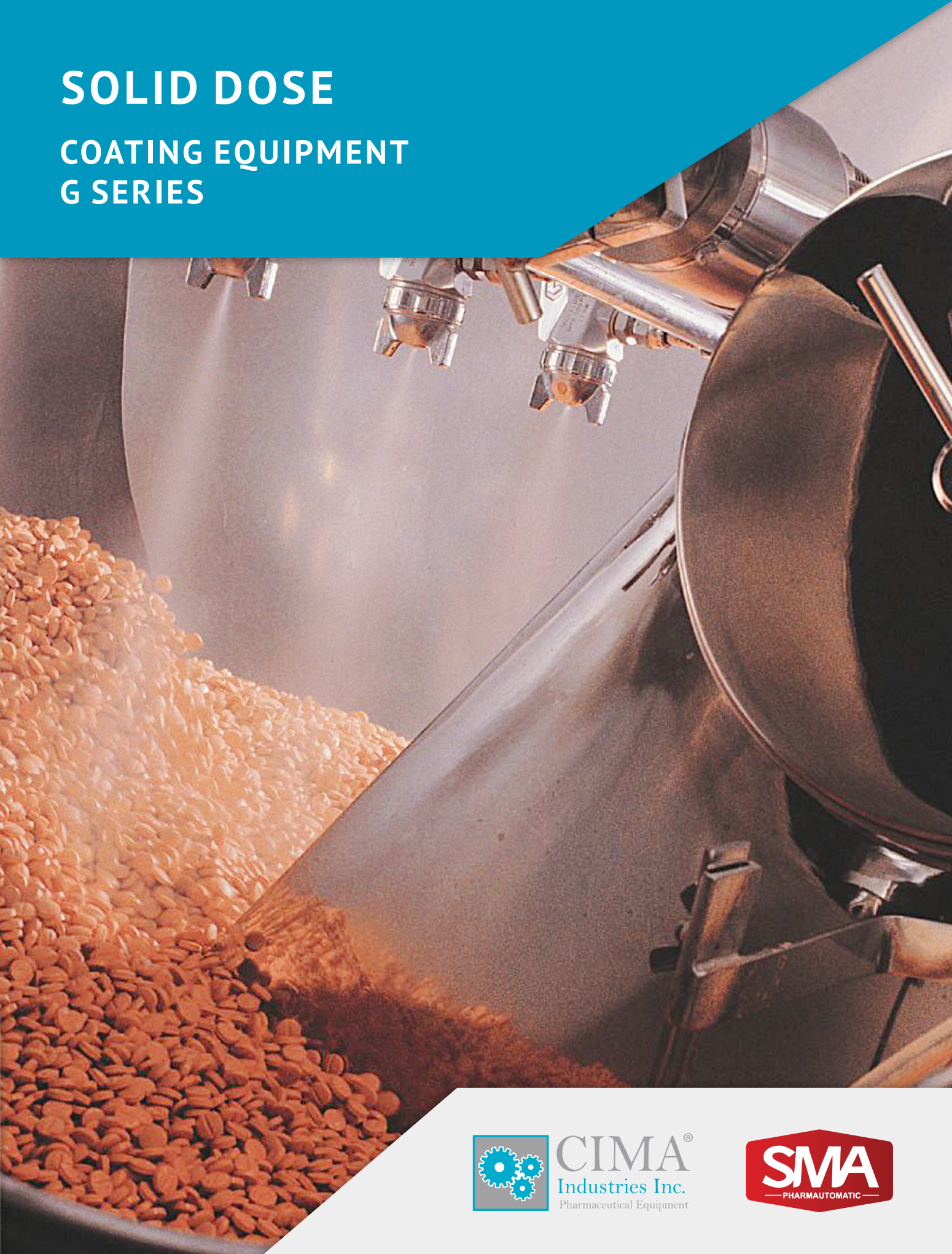


SOLID DOSE

COATING EQUIPMENT

G SERIES



CIMA[®]
Industries Inc.
Pharmaceutical Equipment



COATING EQUIPMENT / G SERIES

G HT COATING MACHINE

The G series high technology ht system is the ideal solution for the film and sugar coating of tablets and microtablets. The exhausting paddles, immersed in the core bed, guarantee the optimum ventilation results that are required during aqueous film coating, as well as maximum versatility to obtain the best results in the sugar coating processes.

G series Coating Machine is the original copy of the world famous brand GS which can process any shapes and sizes of product. The design of the pan and smooth surface contribute a perfect mixture effect and can ensure a uniform effect of the coating materials.



AN EXCLUSIVE, PATENTED DRYING SYSTEM

Two paddles immersed in the core bed guarantee that the drying air is conveyed directly through the tablet mass, thus avoiding swirls and turbulence inside the pan.

Either blowing or exhausting paddles can be used, depending on the process requirements.

The use of different sizes of paddles, guarantees high flexibility in terms of pan working capacity.

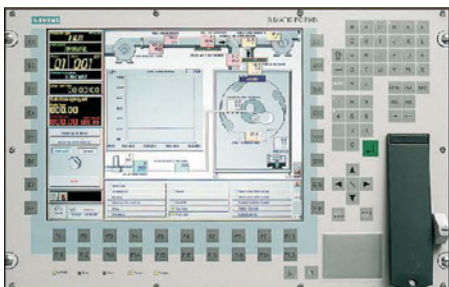


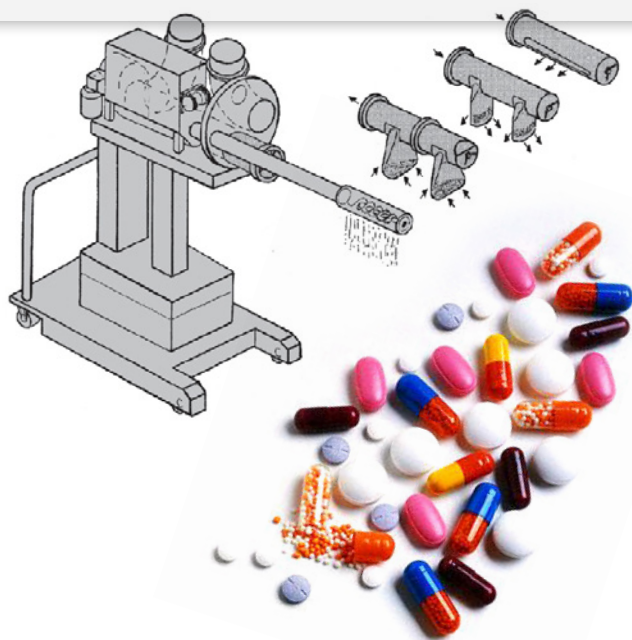
AUTOMATIC PRODUCT LOAD AND DISCHARGE

The machine can be fitted with automatic systems for product loading and discharge. The easy to use discharge device is connected to the pan by a fast fitting system, and discharge is achieved by rotating the pan.

OPERATOR SYSTEM

Equipped with Siemens S7 PLC and Siemens Operator Interface.





G HP COATING MACHINE

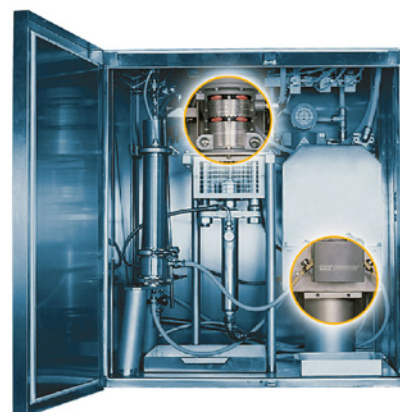
The equipment features a special ventilation system with the capability to interchange the inlet/outlet air duct connections: this makes it possible to obtain two different air flow directions, so that both immersed air blowing or exhausting paddles can be fitted, depending on the process.

Air exhausting for tablet film or sugar coating.

Air blowing for microgranules or pellets enlarging and coating processes: enteric sustained release, etc.

DOSING UNIT

The spray system is the result of combining some highly advanced technologies and has been designed to ensure easy maintenance, simple inspection operations and quick changeover from one product to another. It includes two spray units(air and airless)complete with the relevant surge chambers to guarantee constant flow rate, and is housed in a soundproof stainless steel cabinet, which can be opened from four sides to fully comply the GMP requirements.

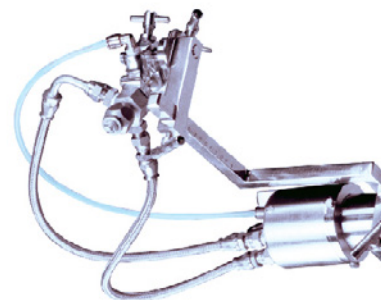


SPRAY GUNS

Both Sugar and Film spray guns can be easily fitted on the sliding support arm, which can be rapidly removed from the front door of the pan, allowing their calibration/adjustment and fast, safe cleaning and sanitizing operations.

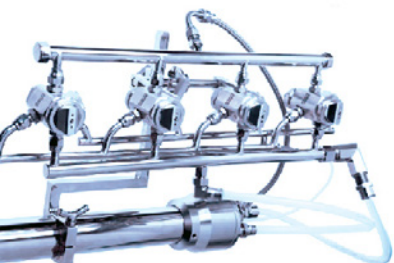
SUGAR

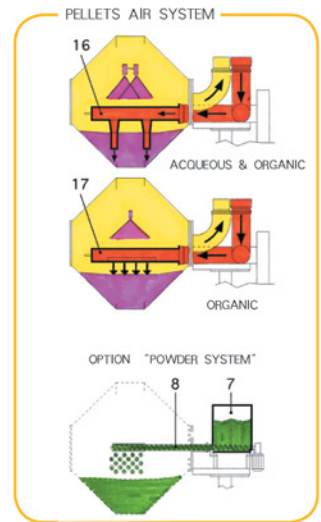
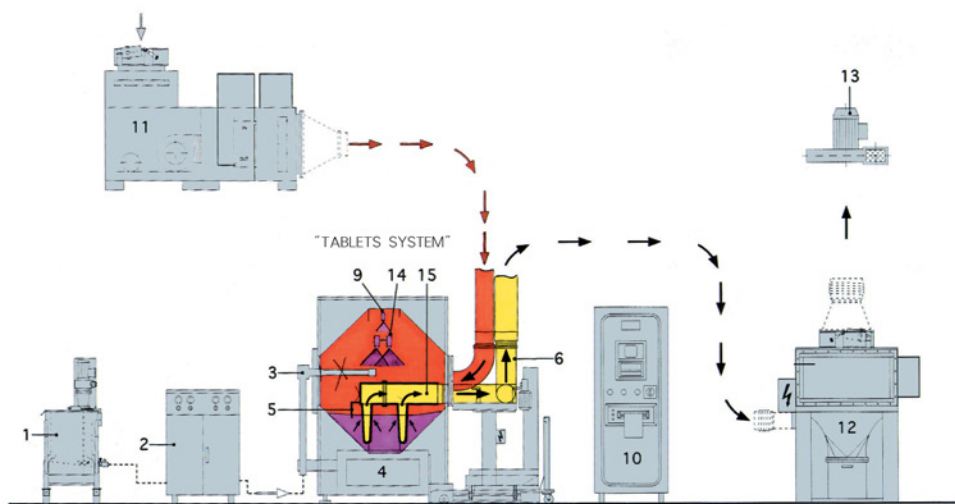
The sugar system(airless) features a pneumatic high pressure piston type pump with spray gun and recirculation system.



FILM

The film system(air)is fitted with either peristaltic or volumetric piston, low pressure type pump (depending on the viscosity of the product to be handled), and is complete with in-line product pressure control and air spray guns.





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| 1. Product Storage Tank | 10. System Control Board |
| 2. Dosing Unit | 11. Inlet Air Handling Unit for Product Drying |
| 3. Spray Gun Support Sliding Arm | 12. Dust Collector |
| 4. Coating Pan | 13. Outlet Air Fan |
| 5. Tablet Temperature Control | 14. Film Coating Spray Guns |
| 6. Inlet/Outlet Air Unit | 15. Air Exhausting Paddle System |
| 7. Powder Dosing Unit | 16. Air Blowing Paddle System |
| 8. Power Distribution and Dosing Auger | 17. Surface Air Blowing System |
| 9. Sugar Coating Spray Gun | |

G SERIES COATING EQUIPMENT TECHNICAL DATA

MODEL	G70	G150	G300	G600
Minimum/maximum working capacity (litres)	40-70	70-150	150-300	350-600
Pan diameter (mm)	1,050	1,280	1,580	2,000
Pan mouth diameter (mm)	400	450	520	730
Pan motor power (Kw)	1.1	1.5	3	5.5
Process air delivery (m ³ /h)	800	1,100	2,000	3,500
Power consumption for standard equipment (Kw)	10	12	20	30
Closed size (LxWxH) mm	1300 x 1530 x 1890	1550 x 2280 x 2100	1800 x 2791 x 2320	2300 x 4,506 x 2,650
Opened size (LxWxH) mm	1700 x 2530 x 1890	1845 x 4630 x 2100	2150 x 5126 x 2320	2600 x 6236 x 2650



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