



Press release
July 2016

GA 5000: Maximum application efficiency in the field of electrostatic coating

WAGNER Industrial Solutions to present the new GA 5000 electrostatic gun with new EPG 5000 control unit for automatic coating systems

Coating specialist WAGNER will put the new GA 5000 electrostatic gun on to the market in July 2016. This device enables material savings of up to 50 percent and coating time savings of up to 20 percent. Furthermore, it also offers users wide-ranging opportunities in terms of ideal application control.

Ever-stricter rules mean that companies are tasked with further reducing coating-related pollutant emissions. As electrostatic processes are able to make a successful contribution in achieving this target, they have become extremely popular in recent years – and the trend is continuing. At the same time, more automated systems are being utilized. One of the reasons for this is the fact that they are able to reduce investment costs for robots. WAGNER has now developed the automatic GA 5000 electrostatic gun and the associated EPG 5000 control unit for this booming sector. "The foundation for this product was the manual GM 5000 electrostatic gun, which proved extremely popular in the market", explains Peter Neu, Senior Product Manager at WAGNER Industrial Solutions. "We have integrated proven elements from the GA 4000 automatic gun into this product so that the device can easily be assembled on to reciprocators as well as robots".

Rapid amortization thanks to efficient coating

The excellent application efficiency of the GA 5000 is made possible by the soft spray jet with a low level of kinetic energy. "Material savings of between 30 and 50 percent can be made by switching from conventional coating processes to an electrostatic system equipped with the GA 5000. Depending on utilization, the investments therefore rapidly pay for themselves, sometimes in less than one year", says Peter Neu.

Fine atomization ensures a high coating quality

Furthermore, the special air feed to the GA 5000 ensures atomization with extremely small droplets. The homogenous spray jet does not bounce off the workpiece; in fact, it is also able to coat curves and inaccessible locations to a high quality. This accelerates the coating process, which means that the



J. Wagner GmbH
a Member of
WAGNER GROUP

Otto-Lilienthal-Straße 18
88677 Markdorf
Postfach 1120
88669 Markdorf
Germany
www.wagner-group.com

coating times are up to 20 percent faster and that significantly better productivity can be achieved. Furthermore, pressurized GA 5000 nozzles and air caps can also be replaced when performing low pressure applications, which means that the production process is only interrupted for a few seconds. The servicing is carried out rapidly thanks to the simple disassembly and assembly of the GA 5000.

Extensive control possibilities

"The combination of the GA 5000 EA respectively GA 5000 EAC and the EPG 5000 control unit currently offers the most extensive control possibilities on the market", says Peter Neu. In doing so, the control process is carried out manually or automatically via an external interface. This interface can be used to set and optimize all electric parameters in the coating process. The high tension can be variably adjusted in real-time in accordance with the contour of the workpiece. In combination with the guns GA 5000 EAW respectively EACW, the automatic control unit VM 5020 WA of the AquaCoat system can be applied for water-based paints. Due to the many advantages, WAGNER is extremely optimistic about the introduction of the GA 5000 on to the market in July 2016. "Customers will be convinced by the high degree of application efficiency in combination with the compact, new design as well as the excellent price. We expect a high level of demand", explains Peter Neu.



Images

WAGNER will put the new GA 5000 electrostatic gun on to the market in July 2016. "The good application efficiency, the extremely fine atomization and the various control possibilities will convince the customers", says Peter Neu, Senior Product Manager at WAGNER Industrial Solutions, with a great amount of conviction.

(Image source: WAGNER Industrial Solutions)



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Otto-Lilienthal-Straße 18
88677 Markdorf
Postfach 1120
88669 Markdorf
Germany
www.wagner-group.com

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Press contacts:

Katja Villnow

Junior Marketing Specialist
Industrial Solutions

T +49 75 44 - 5 05 17 07

katja.villnow@wagner-group.com

Ralph Breymaier

Director Marketing
Industrial Solutions

T +49 7544 - 5 05 16 24

ralph.breymaier@wagner-group.com

About WAGNER:

WAGNER is a leading manufacturer of high-tech components and systems for the surface application of wet and powder coatings as well as paints and other liquid media. WAGNER surface finishing systems are used both in the industrial sector and by craftsmen and DIY enthusiasts.

WAGNER boasts a full range of products and technology, from material feeders through mixing, dosing, movement and control systems including material logistics to the surface application of the various media. Completing the product portfolio are booth and recovery systems for powder coating as well as gluing and marking systems.

The WAGNER Group has a global presence, with a workforce of approx. 1,450 people, 19 operative companies, and around 300 WAGNER agencies worldwide. The WAGNER Group is owned by the Josef-WAGNER Foundations which, in addition to supporting the group of companies, pursue exclusively non-profit, charitable aims.

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