



J. Wagner GmbH
a Member of
WAGNER GROUP

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Press release
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New generation of automatic guns for maximum flexibility in powder coating

The new automatic powder guns from WAGNER stand for highest coating results with maximum application efficiency in coating systems (PEA-X1) as well as robot-based production environments (PER-X1). Compared to the previous model, they offer several advantages. This spring, the product design received the internationally renowned Red Dot Award.

With its modular design and the variety of accessories, the new gun family enables a wide field of applications for all kinds of customer requirements. Thanks to their flexibility, the guns ideally meet the high demands of today's production processes. For example, the basic gun of the PEA-X1 can be combined with a bracket, XL extension or robot adapters. The PER-X1, in turn, can be combined with various robot mounts for single or dual use.

Depending on the application, various nozzles are available that are also compatible with the PEM-X1 manual gun that is part of the product family. The new angled nozzles, for example, can be used to reach difficult spots on the workpiece. With the angled adapter, this advantage can be extended even further. Even with difficult metallic and effect powders, high coating quality can be achieved with the new guns.

They are ideal for both single-color and color change systems. For this purpose, they have been optimized, as has the nozzle system, in terms of their color change and cleaning capabilities. The optimized, streamlined design of the CoronaStar provides minimal areas for powder accumulations on the gun body and ensures efficient, automatic blow-off during color change. This way, the guns provide a more stable production process without waste. The improved powder cloud results in thinner, more uniform coating thicknesses. As a result, powder consumption is also significantly lower. In addition, powder accumulations in the nozzle or spitting occurs less frequently - thanks to the improved internal geometry.

Already installed systems with the previous WAGNER automatic guns can easily be retrofitted with the new guns. Installation and maintenance is very simple, which reduces service costs.



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Excellent performance - excellent design

The highly integrative design has enabled the new gun family to be a compact and extremely powerful product that adapts fluidly to the clean world of modern automation landscapes. The modern design is also impressive: the PEA-X1 and PER-X1 guns received the Red Dot Award in the Product Design category in April 2023. With around 20,000 entries each year, this award is one of the largest design competitions in the world and its seal of approval has stood for outstanding design quality for over 60 years.

You can find more information on:

<https://www.wagner-group.com/en/industry/products/powder-coating/product/pea-x1-corona-automatic-guns/>

<https://www.wagner-group.com/en/industry/products/powder-coating/product/per-x1-corona-robot-guns/>



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Pictures:



reddot winner 2023



From left to right: PEA-X1 with bracket, PER-X1 for robotic applications in exemplary variations





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