

Metallic nozzles **C4 F5** & **X1 F5**

The new **F5** metallic nozzles for manual and automatic guns enable a significant quality increase in the use of difficult effect & metallic powder coatings.



The new nozzles were specially developed for the WAGNER PEM-X1 manual gun and the PEA-C4 automatic gun. Their special internal geometry prevents powder deposits on the inside of the nozzle when using highly pigmented metallic paints in a wide variety of areas, such as metal furniture, household appliances, motorcycles or in the automotive industry.

- Less rework by avoiding powder deposits
- High application efficiency, optimized electrode position and uniform powder cloud
- Fast & reliable colour change thanks to low effort for cleaning the guns



X-nozzles for the coating of complex workpiece shapes

In addition to the flat jet nozzle, X-design nozzles (with crossed slot) are available especially for coating hard-to-reach areas on the workpiece. They can be used for robot applications as well as for manual recoating. There are variants especially for metallic applications (F5-X nozzle) and conventional powder coatings (X nozzle).

Your advantages of the X-nozzles:

- Simple motion sequences for the coating of complex geometries
- Always optimal alignment to difficult corners and edges
- Short coating time and high efficiency



X-nozzle C4 F5-X



X-nozzle X1 F5-X



X-nozzle C4 F1-X

Further advantages of the metallic nozzles

Significant productivity increase

The nozzles minimize powder deposits and thus increase the surface quality. This also leads to considerable savings due to a reduced reject rate or rework, and thus contributes to a sustainable production process.

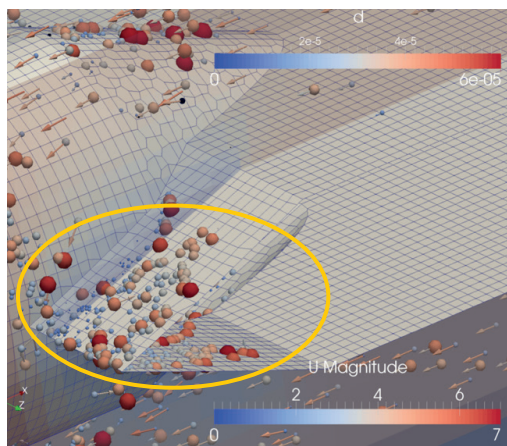
Flexible application

The X1 F5 nozzle, 5 cm longer than the standard nozzle, can also be used as a short nozzle extension, which is extremely practical when coating smaller cabinets, for example.

Available versions

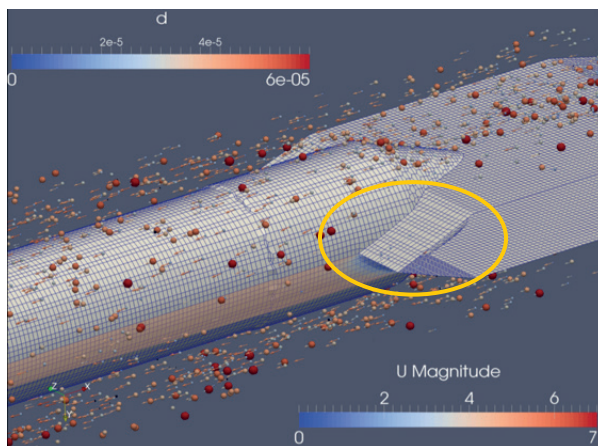
Version	Application for	Description
Set flat jet nozzle X1 F5	PEM-X1 manual gun	Incl. electrode holder, flat jet nozzle F5, union nut
Cross slot nozzle X1 F5-X	PEM-X1 manual gun / pre- & recoatings	Flat jet nozzle F5, with cross slot
Set flat jet nozzle C4 F5	C4 automatic guns	Incl. electrode holder, flat jet nozzle F5, union nut
Set CoronaStar PEA-C4 F5	C4 automatic guns with F5 nozzles	CoronaStar set incl. retaining clip
Cross slot nozzle C4 F5-X	C4 automatic guns / robot applications	Flat jet nozzle F5, with cross slot
Cross slot nozzle C4 F1-X	C4 automatic guns / robot applications	Flat jet nozzle F1-X, with cross slot for standard electrode holder

Flow simulations for a comparison of powder deposits



Conventional nozzles

Powder deposits are clearly visible on the wedge on the inside of the nozzle.



New F5 nozzles

The CFD simulation shows a significant reduction in powder deposits.

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