

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

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.



X-nozzle C4 F5-X



X-nozzle X1 F5-X

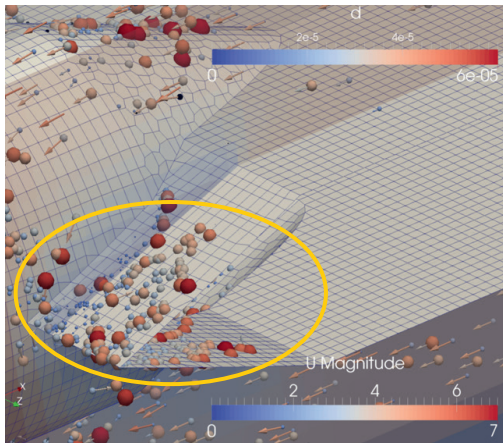


X-nozzle C4 F1-X

Available versions

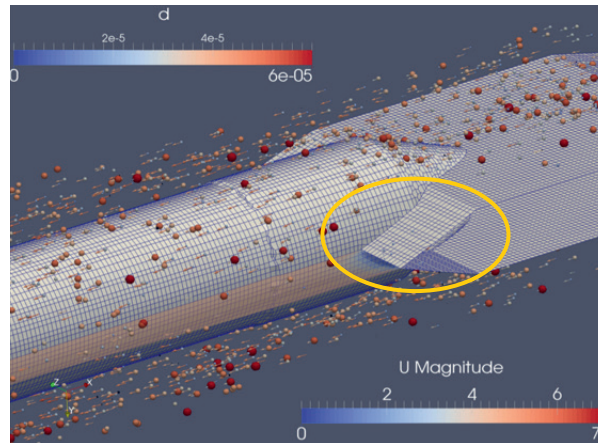
Version	Application for	Description
Set flat jet nozzle X1 F5	PEM-X1 manual gun	Incl. electrode holder, flat jet nozzle F5, union nut
Cross slot nozzle X1 F5-X	PEM-X1 manual gun / pre- & recoatings	Flat jet nozzle F5, with cross slot
Set flat jet nozzle C4 F5	C4 automatic guns	Incl. electrode holder, 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.

J. Wagner GmbH

Industrial Solutions

D-88677 Markdorf

+49 7544 505 - 0

info@wagner-group.com

www.wagner-group.com