



Product Datasheet – Impact PH-Unit EvoCSII

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With the help of the Impact PH-Unit EvoCSII powder preheater developed by Impact Innovations, the temperature of the carrier gas can be increased significantly. This also increases the temperature of the powder to be processed after the Impact Powder Feeder EvoCSII up to the Impact Gun.

Due to the higher injection temperature of the powder-gas mixture, there are even more options for improving the layer properties, depending on the material. This makes it possible to create an even more variable configuration of the process parameters in order to achieve an optimal layer structure.

Because of the increased powder temperature, the mechanical properties can be improved. For example, the deformability of the individual particles can be increased, which among other things can improve the deposition efficiency.

In addition, the porosity of the layers of some materials can be reduced.



Key factors:

- Increased mechanical properties
- Higher deposition efficiency
- Improved powder properties
- More extensive parameter configuration
- More even heating of the particles

Technical data

Compatibility	Impact Spray System 5/11	Impact Spray System EvoCSII
Heating capacity		3 kW
Hose variant	thermally insulated electrically heated	
Heating capacity hose		950 W
Max. hose heating temperature		350 °C
Carrier gas		N2
Carrier gas flow		1 – 15 m ³ /h i.N.
Max. heating temperature		400 °C
Setting range temperature		50 – 400 °C
Max. pressure		100 bar
Heating capacity regulation		stepless
Length		560 mm
Width		330 mm
Height		303 mm
Weight		23 kg
Operating temperatur		5 – 50 °C
Powder pipe length		3 m
Cable length		1 – 20 m