

IMPACT PH-UNIT EvoCSII

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Key facts:

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



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.

Technical data

Compatibility	Impact Spray System 5/11 Impact Spray System EvoCSII
Heating capacity	3 kW
Powder pipe variant	thermally insulated (3 m) electrically heated (4 m)
Heating capacity powder pipe	950 W
Max. powder pipe heating temperature	350 °C
Carrier gas	N2
Max. pressure	100 bar
Max. heating temperature	400 °C
Setting range temperature	50 - 400 °C
Heating capacity regulation	stepless
Length	560 mm
Width	349 mm
Height	307 mm
Weight	23 kg
Operating temperatur	5 - 50 °C
Cable length	1 - 20 m