

ID COATING DEVICE

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Key facts:

- Minimum coating diameter Ø84 mm
- Water cooled spray head and nozzle
- Central and axial injection of powder into the laval nozzle
- Standard device length 350 mm
- Customized device length upon request



The ID Coating Device is a versatile accessory designed for coating internal diameters at maximum process gas pressure and temperature. It is exclusively compatible with the Impact Guns 5/11 & 6/11 EvoCSII.

The intelligent design ensures efficient cooling of both the spray head and the Laval nozzle, improving hardware lifetime and overall process cost-efficiency.

For safe and reliable operation, the ID Coating Device must always be used in combination with a water-cooling system.

Internal diameter Cold Spray applications are commonly used in aerospace, automotive, and general engineering to provide high-performance coatings in difficult-to-access areas.

To achieve optimal results in different bore sizes and coating requirements, two nozzle options are available for the ID Coating Device:

- Nozzle IN2 (WC): For minimum coating diameters of Ø107 mm, offering higher particle velocity due to its longer design.
- Nozzle IN3 (WC): For minimum coating diameters of Ø84 mm, ideal when compact geometry and better accessibility are required.

Both tungsten carbide (WC) nozzles feature high wear resistance and deliver excellent coating quality for very hard materials.

