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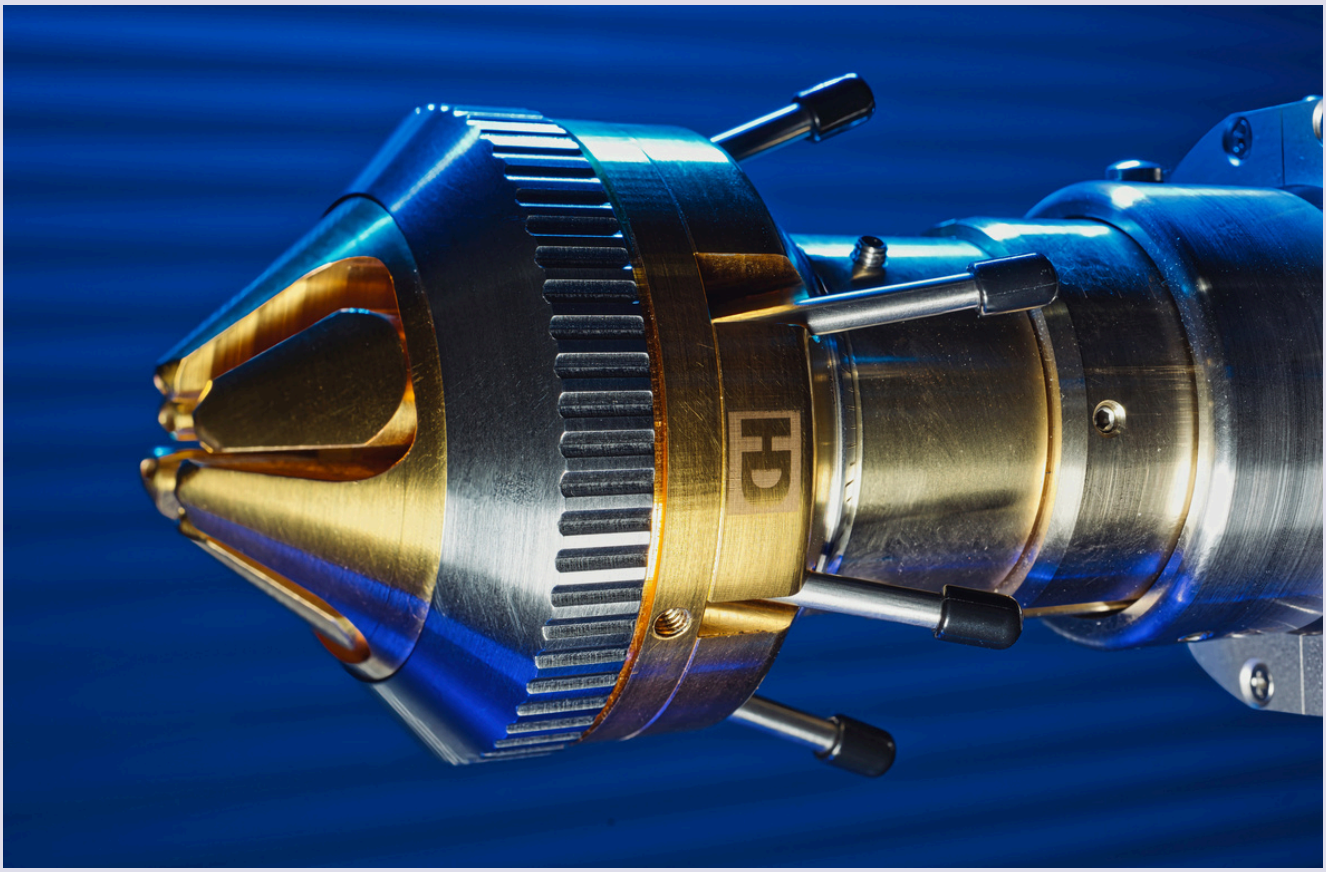

HighNo Triple 2

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HighNo Triple 2: The new six-jet powder nozzle combines two three-jet powder nozzles in a compact design. The two powder foci can be adjusted both horizontally and vertically relative to each other. This gives the system two powder gas streams with adjustable relative positioning and enables the simultaneous processing of two different powder materials. This design allows for the production of multifunctional, graduated single-layer coatings and replaces conventional two-layer systems for corrosion and wear protection.

- two powder gas streams for two independent powder materials
- Achieves wear and corrosion resistance in a single layer
- Vertical adjustment via laser-cut spacers
- horizontal alignment using adjusting screws
- Powder feed through wear-resistant precision tubes
- direct water cooling of the nozzle body

Technical specifications:

- up to 8 kW laser power
  (when used correctly)
- Weight is approximately 1 kg
- Adjustment range:
  Horizontal max. 2,5 mm, vertikal max. 2 mm
- Powder particle size 20 - 50 µm,
  50 – 100 µm (recommended), larger sizes also possible
- Powder gas jet focus:
  Ø 1.8 mm at 3 g/min with precision tubes 1.0 mm
- Possible track widths range from 1 to 6 mm.
- The maximum powder mass flow rate is up to...
  250g/min
- direct water cooling 1-3 l/min at 18 – 20 °C
- Maximum powder efficiency can depend on the Depending on the application, the melt pool diameter can reach up to 98%.

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