

NOZZLE - OUT7

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Key facts:

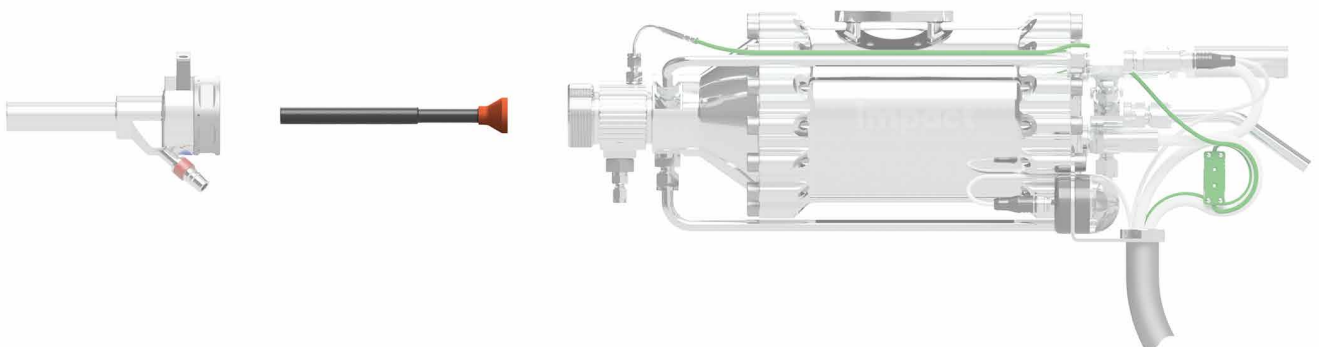
- Successor to the proven OUT3 nozzle
- For pure aluminum and aluminum alloys
- Copper inlet for improved cooling
- Advanced polymer design with optimized geometry for reduced stress cracking
- Compatible with all Impact Gun variants and various add-on components



The Nozzle - OUT7 is the optimized further development of the OUT3 and was specifically designed for spraying aluminum and aluminum alloys. A modified geometry and improved cooling at the inlet and in the throat area ensure higher thermal stability and reduced stress on the polymer core - stress cracks occur less frequently.

The Nozzle - OUT7 is compatible with all variants of the Impact Gun and is ideally suited for repair applications and use in the aerospace sector. In addition, it can be used with various optional components. Operation in combination with water cooling is recommended to significantly reduce the risk of nozzle clogging.

The material combination of copper and high-performance polymer ensures thermal stability and high clogging resistance - especially with aluminum (Al 99.7, Al 99.99) and aluminum alloys (Al 7050, Al 7075, Al 6061). Spraying Al 2024 is not recommended, as the melting range of this alloy is close to the operating temperature of the nozzle, which may cause damage to the polymer casing.



Technical data

Maximum process gas temperature	550 °C
Expansion ratio	13.7
Total length	191.2 mm
Material	Copper + High-performance polymer