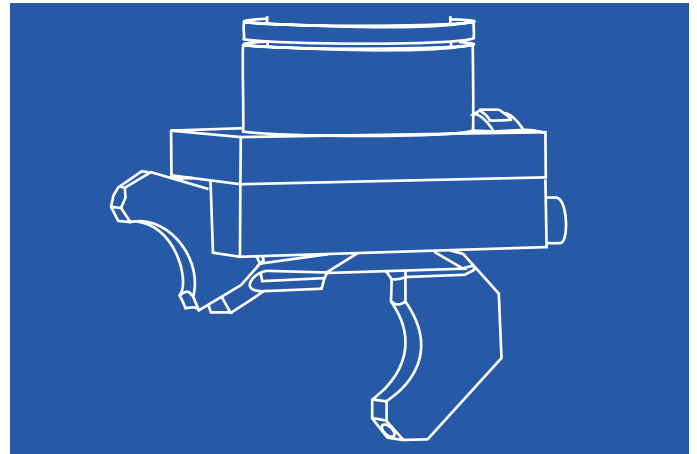


LASAL™ JET NOZZLE

- Improves and simplifies welding operations
- Optimizes welding costs
- Easy to install and low maintenance



The Concept

A robust and easy-to-use patented nozzle for linear welds, **LASAL™ JET NOZZLE** is specially designed to avoid gas plasma with CO₂ laser sources and to reduce metallic vapor plume extension above the weld pool with solid-state laser.

A dynamic gas jet makes it possible to use Argon in all welding configurations, even for the highest CO₂ laser power (up to 12 kW). This results in an optimal laser-beam energy transfer and a high weld quality.

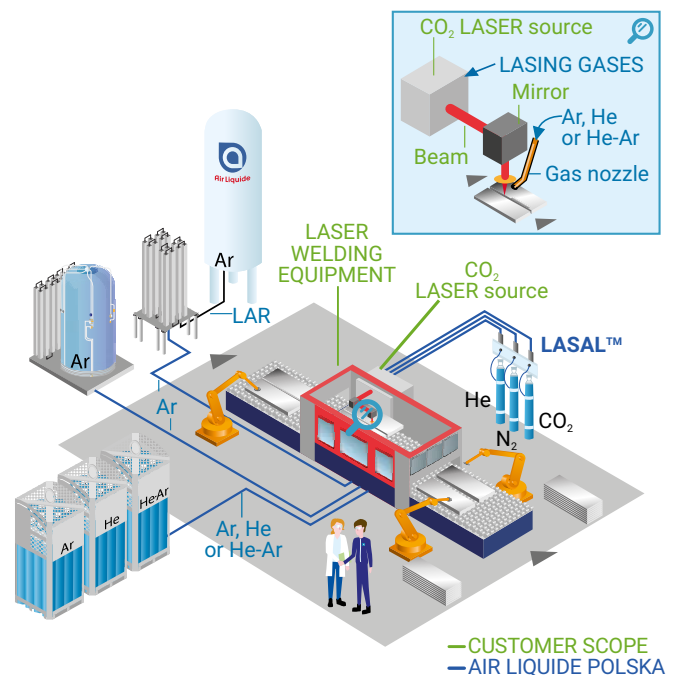
Industries

LASAL™ JET NOZZLE is ideal for manufacturers that extensively use laser for linear welds, such as automotive and tube manufacturers:

- Tailored blanks for Automotive industry.
- Tube and profile manufacturing.
- Short tube length (chimney, exhaust systems, etc).
- Continuous tube welding (heat exchanger, chemical and oil & gas piping, furniture).
- Structural pipes.

Features

The shielding gas distribution nozzle is a key operational component which has a direct effect on the efficiency of the laser welding process. A dynamic blowing of gas plasma allows the use of Argon in all welding configurations resulting in cost savings and quality improvement.



LASAL™ JET NOZZLE is designed with a massive brass block equipped with two gas outputs:

- The main gas output prevents gas plasma and plume formation while also reducing fumes and spatter emissions.
- The second gas output is shielding the weld bead from air contamination resulting in an improvement of the weld quality.

LASAL™ JET NOZZLE includes a setup finger device to easily position the nozzle in regards to the laser beam focus point. In addition to **LASAL™ JET NOZZLE**, a XYZ positioning device is proposed.

Model Range

LASAL™ JET NOZZLE has only one version as it can be adapted to all laser sources.

Technical Data

LASAL™ JET NOZZLE	
Size – L x W x H (mm)	64 x 157 x 137
Nominal Ar flow rate (Nl/min)	40
Weight (g)	970

Contact Us

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