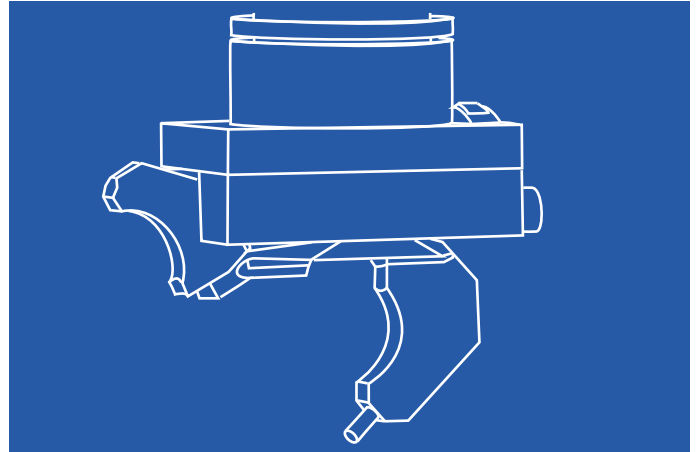


LASAL™ CONTROL NOZZLE

- Improves evacuation of zinc vapors for galvanized steel welding
- Improves shielding gas distribution



The Concept

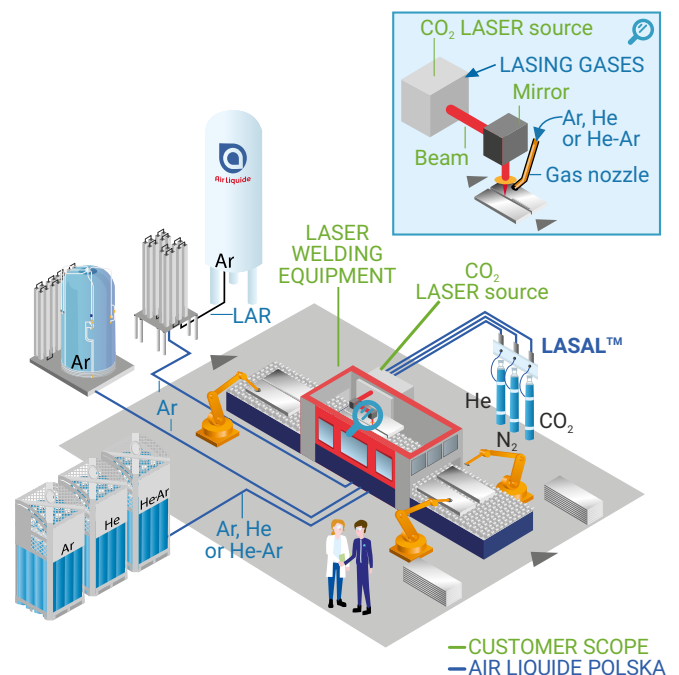
Air Liquide has designed **LASAL™ CONTROL NOZZLE**, a patented gas nozzle that increases the keyhole opening for linear laser welding. It improves the evacuation of zinc vapors for galvanized steel welding whatever the laser source.

Industries

LASAL™ CONTROL NOZZLE improves shielding gas distribution, reducing defaults in linear steel welding. It is especially efficient in welding zinc-coated steel sheets in an overlap configuration, such as automotive body manufacturers.

Features

The shielding gas distribution nozzle is a key operational component which has a direct effect on the efficiency of the laser welding process. **LASAL™ CONTROL NOZZLE** has been specifically designed to increase keyhole opening during the welding operation. For galvanized steels, it limits investment in complex mechanical systems.



LASAL™ CONTROL NOZZLE is designed with a massive brass block equipped with a single gas output.

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

Model Range

LASAL™ CONTROL NOZZLE has only one version as it can be adapted to all laser sources for linear welds.

Technical Data

LASAL™ CONTROL NOZZLE	
Size – L x W x H (mm)	64 x 157 x 144
Nominal Ar flow rate (NI/min)	40
Weight (g)	970

Contact Us

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