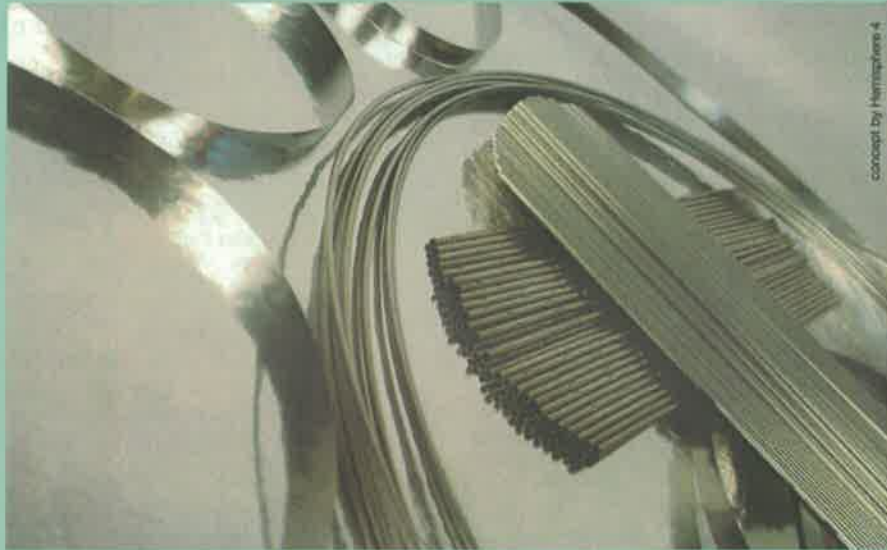


Laser welded tubes in stainless steel, pure nickel and nickel alloys

Le Guellec has specialised in the cold drawing of precision tubes for over 60 years. The company's versatile production equipment enables it to offer small, medium and large quantities within a wide size range (from 0.008" to 1" OD and 0.002" to 0.01" wall thickness). The company recently acquired a laser welding line dedicated to the production of thin and very thin walled small tubes in large volume.



▲ Le Guellec can produce tubes as small as 0.008" OD

This machine is able to weld standard alloys such as stainless steel, and also exotic alloys such as pure nickel and nickel alloys. The welding quality is continuously controlled throughout production, tracking the welding system with eddy current testing. Laser welded tubing is cleaner, more concentric and does not need filler materials. The laser technology helps Le Guellec to obtain the finished product directly, making the company competitive where large volumes are involved.

Due to this high volume capacity, the laser welding line can be very reactive and can adjust to requirements. Tubes are manufactured in continuous coils, but on request can also be delivered in straight lengths. The equipment obtained the accreditation of the aeronautics industry for the supply of heat exchanger tubes. It can also incorporate other elements into the tubing during processing, such as plastic jacket, wire, other tube alloys and other materials (ie composite tubes). For very thin wall small tubes running in large volumes, the laser welding solution is a top choice among design engineers.

Le Guellec SAS – France
leguellec.tubes@leguellec.com • www.leguellec.com

TubeProducts
INTERNATIONAL

www.read-tpi.com

... THE trade magazine
for tube & pipe products,
materials and ancillaries