40 years of expertise in laser safety and laser technologies, serving your most critical challenges.

Laser Cladding

Ref: AL.5-1

Laser coating and laser repair processes have developed considerably in recent years. Machines have also adapted to applications, whether for direct manufacturing, preventive protection or repair. Likewise, lasers, powder feeders and nozzles have evolved, making this technology difficult to grasp. Over 15 years ago, IREPA LASER set up a specialist department that has been behind several patents and innovations.

Practical information

DATES (INTER-COMPANY / IN-HOUSE)
• 27–29 October 2026

ORGANISATION
IREPA LASER - Strasbourg / Illkirch

DURATION
2.5 days (17.5 hours)

PRICES
1980€ excl. VAT

TECHNICAL/TEACHING LEAD:
Franck RIGOLET

DO YOU HAVE A DISABILITY?
Contact our disability officer at referent.handicap@irepa-laser.com

Key information

PREREQUISITES
General knowledge of materials and conventional material treatments

ACCESSIBLE LASER CLASSES
/

CERTIFICATION
A certificate of attendance is issued.

TECHNICAL/TEACHING LEAD:
Franck RIGOLET

Training objectives

- Acquire the fundamentals of laser treatment, laser cladding and laser repair techniques.
- Identify and master the operating parameters on a laser machine.
- Analyse and assess the influence of the operating parameters.
- Know how to set up laser tools for the specific needs of repair or cladding.
- Understand the specific metallurgical features of laser cladding.
- Know how to carry out a metallurgical analysis of a deposit.

Target audience

Design offices, engineers, R&D, process engineering, materials treatment specialists, mould and tooling maintenance ...