

JOB VACANCY



ABOUT VLC PHOTONICS

VLC Photonics was born in 2011 as a technological spin-off company from the Technical University of Valencia, and since October 2020 belongs to the Hitachi High-Tech Corporation group.

The company now focuses its solutions on the photonic integration technology. It is a world pioneer in the design house business model, providing all kind of services related to this technology: engineering consultancy, photonic design, photonic testing, and brokerage for manufacturing and packaging subcontracting. Check our website for more info.

Laboratory Measurement Technician

VLC Photonics is a young and very dynamic company, now searching for a new member to be added to its growing team.

REQUIRED BACKGROUND/EDUCATION

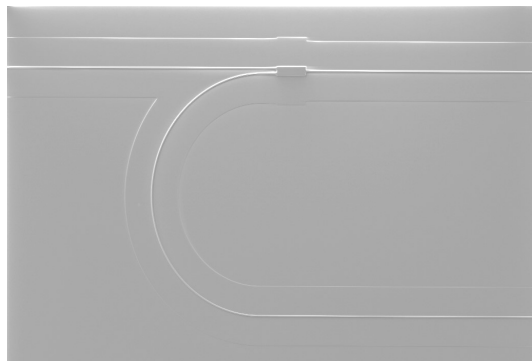
Minimum: higher level professional training, preferable Technical Engineering.

Experience in a laboratory is required. Experience developing databases and developing code for automation is desired.

REQUIRED SKILLS

- Good level of English.
- Good understanding of basic optical principles (e.g. polarization, extinction ratio, dispersion, return loss, Insertion loss, wavelength dependent loss etc.)
- Practical experience on an optical laboratory, measurement equipment and tools.
- Bare die (chip) level and/or wafer level opto-electronic characterization and test skills.
- Matlab/Octave, Python, MS Office user knowledge.
- Photonic integrated circuit (PIC) design skills
- (PhoeniX/Rsoft/Synopsys, Photon Design,
- IPKISS/Luceda, Lumerical, VPI, etc.).
- Lab automation (e.g. with Labview, Python, etc.).
- Ability to demonstrate dexterity and hand-eye coordination





GROSS ANNUAL SALARY

Depending on candidate's adequacy.

OTHER BENEFITS

- Access to UPV campus facilities (sports complex, library, parking, medical center, etc.)
- Close access to public transport (tram, train, rental bikes)
- Very flexible worktime schedule.

LOCATION

VLC Photonics offices, Valencia, Spain ([map](#))

STARTING DATE

As soon as possible.

VALUABLE SKILLS

- Knowledge of automatization and mechatronics, especially instrumentation programming in LabView and/or Python.
- Knowledge of communication systems and analogic signal processing.
- Management of photonic components such as fibre optics, lasers, photodiodes, modulators, lenses, microscopes, etc.
- Knowledge of measurement processing software such as MATLAB, Mathematica, Octave, etc.
- Knowledge of Linux operating system.
- Great capacity for learning and adaptation, proactivity, persistence.

POSITION RELATED TASKS

- Installation, maintenance, and calibration of the optical and electrical instrumentation at VLC photonics laboratories.
- Management of the testing laboratories keeping them under operational conditions.
- Responsible of the inventory management and consumable stock.
- Assist in the purchases of laboratory instruments and consumables, and discussion with providers.
- Perform reception, visual inspection and shipment of Photonic Integrated Circuits and packages.
- Design and fabrication of simple electronic control devices.
- Design and fabricate mechanical parts following original or suggested plans.

VLC Photonics offers a stimulating and varied work environment in a young but growing high-tech business start-up, located at an attractive international city in the Mediterranean coast (300 sunny days a year!). Cost per living in Valencia is very affordable compared to other Spanish or European large cities ([check](#)). Additionally, VLC Photonics offers continuous education and training in all technical activities and provides free or low-cost access to certified courses in many areas through the Permanent Training Center (CFP) of the UPV.

Interested candidates please forward the CV and presentation letter at careers@vlcphotonics.com for evaluation, indicating in the subject "**LABORATORY TECHNICIAN position**".

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PHOTONIC INTEGRATED ASSEMBLY/TEST ENGINEER

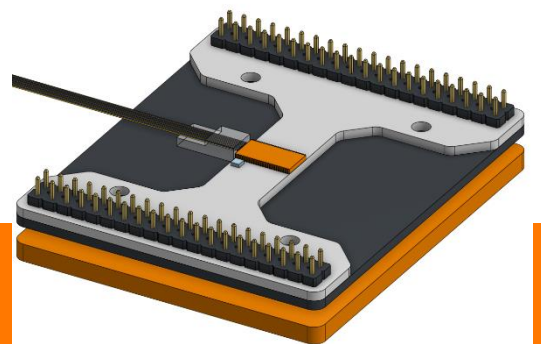
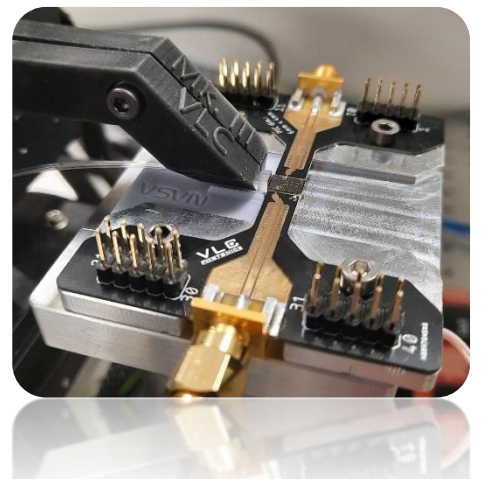
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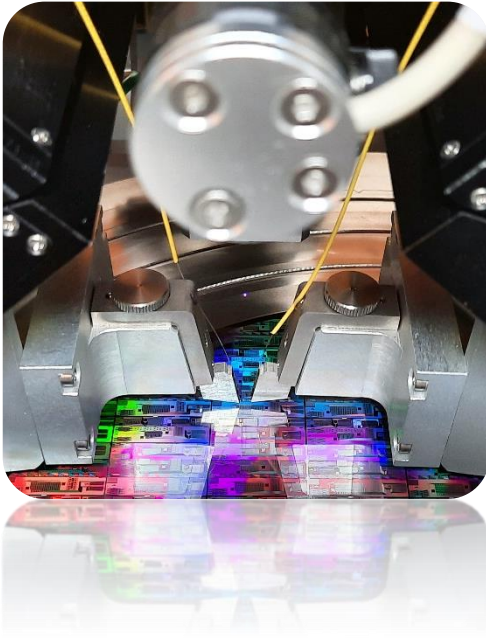
REQUIRED BACKGROUND/EDUCATION

Engineering degree on Physics, Telecommunications, Microelectronics/RF, Optics/Photonics, or similar.

REQUIRED SKILLS

- Knowledge of optics and photonics technology. Master or Ph.D. in Optics/Photonics, or in Semiconductors.
- Practical experience on an optical laboratory, measurement equipment and tools.
- *Python* knowledge.
- Very pro-active, versatile character.
- Organized, capability to deal with tight deadlines.
- Good analytic skills.
- High level of English (fluent B2 minimum).





GROSS ANNUAL SALARY

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OTHER BENEFITS

- Access to UPV campus facilities (sports complex, library, parking, medical center, etc.)
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LOCATION

VLC Photonics offices, Valencia, Spain (map)

STARTING DATE

As soon as possible

VALUABLE SKILLS

- Lab automation (e.g. with *Python*, Labview etc.).
- Bare die (chip) level and/or wafer level opto-electronic characterization and test skills.
- 3D Digital design knowledge.
- PIC fabrication/package knowledge.
- Experience in customer and project management.
- Availability for international travelling.
- Experience in photonic integration technology and its ecosystem.
- Any other extra language (e.g. French, German, Dutch, Chinese, Russian). Spanish not strictly needed but recommended.
- *Microsoft Office* suites, medium-advanced knowledge.
- Good international networking skills and available professional network.
- Ambition for growth and expansion.
- Having lived abroad will be highly valued. English interview.

POSITION RELATED TASKS

- Technical characterization and test activities for different material platforms (silicon photonics, SiN, InP, PLC) and applications.
- Measurement processing and reporting.
- Automatization of instruments and tools.
- Development of assembly processes.
- Development of automated testing processes.
- Supervision of technical tasks performed by technicians, interns and/or other less skilled technical personnel.
- Collaboration in the preparation of customer and R&D proposals and projects.
- Customer management: teleconferences and meetings, project management.

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PHOTONIC TEST ENGINEER

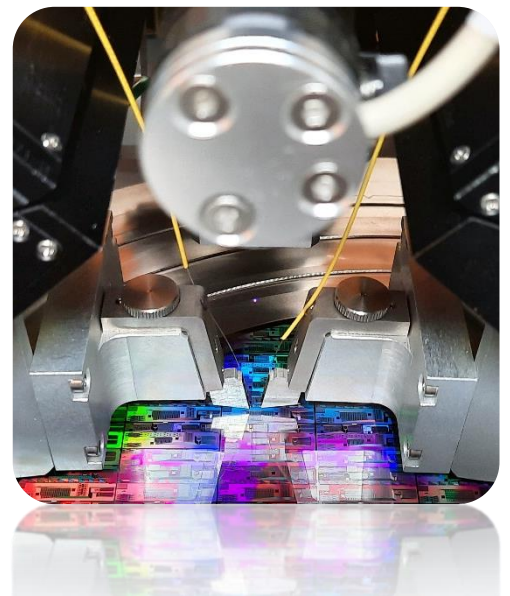
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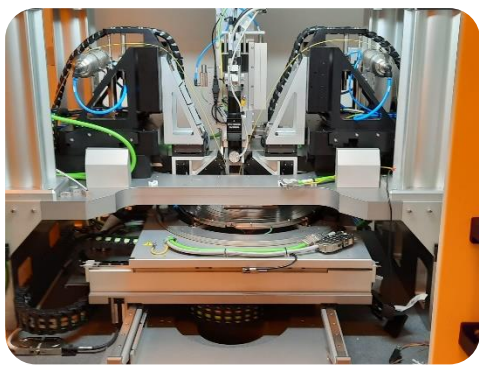
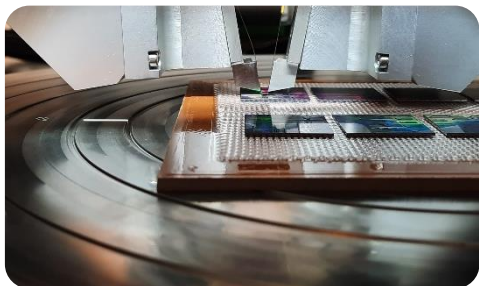
REQUIRED BACKGROUND/EDUCATION

Engineering degree on Automatic, Robotics, Telecommunications or Electronics Engineering.

REQUIRED SKILLS

- Lab automation (e.g. with *Python*, Labview etc.)
- Practical experience on an electronics/optical laboratory, measurement equipment and tools.
- Ability to troubleshoot equipment and perform complex system tests.
- Very pro-active, versatile character.
- Organized, capability to deal with tight deadlines.
- Analytic and problem-solving skills.
- High level of English (fluent B2 minimum).





VALUABLE SKILLS

- Knowledge of optics and photonics technology. Master or Ph.D. in Optics/Photonics, or in Semiconductors.
- Bare die (chip) level and/or wafer level opto-electronic characterization and test skills.
- PIC fabrication/package knowledge.
- Experience in customer and project management.
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POSITION RELATED TASKS

- Perform opto-electronic wafer-level testing for different material platforms (silicon photonics, SiN, InP, PLC) and applications.
- Development of automated testing processes.
- Automatization of test instruments and tools.
- Measurement processing and reporting.
- Supervision of technical tasks performed by technicians, interns and/or other less skilled technical personnel.
- Collaboration in the preparation of customer and R&D proposals and projects.
- Customer management: teleconferences and meetings, project management.

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