



WINFAB : Wallonia Infrastructure Nano Fabrication

WHAT WE OFFER : services and expertise

- From one-step processes to complete device development
- Collaborative research
- Access to cleanroom infrastructure / Equipement renting
- Technical advice
- Consultancy



Field of expertise

- Solar cells
- Sensors (strain, humidity, bio, etc.)
- Batteries
- Mechanical properties of thin films
- 2D materials (graphene, hBN, etc.)
- Substrates for RF applications
- Etc.



Micro- & Nano-patterning

- Photolithography
- E-beam lithography
- Laser micromachining
- Focused ion beam



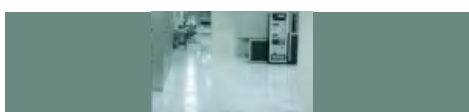
Thin films processing

- Evaporation and sputtering
- Plasma Enhanced Chemical Vapor Deposition (PECVD)
- Low Pressure Chemical Vapor Deposition (LPCVD)
- Atomic Layer Deposition (ALD)
- 2D Materials CVD
- Inductively Coupled Plasma-Reactive Ion Etching (ICP-RIE)



Characterization

- Scanning Electron Microscopy (SEM)
- Ellipsometry
- Profilometry



Back-end processes

- Wire bonding
- Wafer dicing
- Wafer grinding

CONTACT

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(1) 500 m² cleanroom – (2) FIB / SEM – (3) Laser Micro-machining – (4) Photolithography – (5) LPCVD Furnaces

www.winfab.be



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