



Solutions adapted to your demands

Graphene Foundry Services

Graphene, a monolayer of sp²-bonded carbon atoms is a new material for various applications in the field of micro- and optoelectronics. AMO offers the fabrication of graphene transistors, Hall sensors, graphene-integrated MMICs, etc. Additionally we can also support your own process development as part of our Graphene Foundry Services.

Get access

Request



Specifications and Design



Fabrication



Evaluation



Delivery



Technology Base

Substrate

- Size 1x1 cm up to 8"
- Glas
- Silicon
- SOI
- flexible

Structuring / Lithography

- Resolution down to 100 nm
- 4 Layer-Lithography
- Etching
- Lift Off

Metal

- Sputtering
- Evaporation
- Al, Ni, Au, Pd
- Metal interconnects
- Gates:
 - global
 - local
 - local back
 - local top

Deposition

- ALD capsulation Al₂O₃

Characterization

- electric
- Raman
- Ellipsometer
- SEM



Contact

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