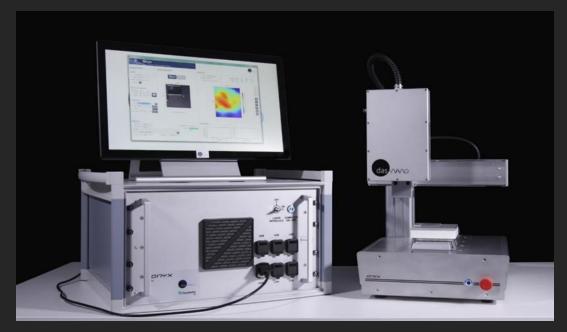




Graphene & 2D Materials Characterization

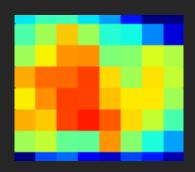
Wafer Scale Electrical Characterization



- Full Conductance/Resistance analysis
- Mobility and carrier density analysis
- Full sample inspection (100% area)
- Quality control of wide range of materials
- Non-destructive analysis
- No need for sample preparation

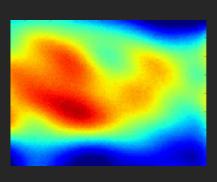
- Customizable inspection area (up to m²)
- Ultra-Fast 6 cm²/min
- Automated
- Co- developed with *Fraunhofer Institute*
- Friendly user interface no qualification required

10x10mm sample of CVD Monolayer Graphene. Conductance Map.



Left- 1000 μm resolution. (2 seconds) Right - 50 μm resolution. (15 min)

Complete and meaningful information is obtained even at the lowest resolution.

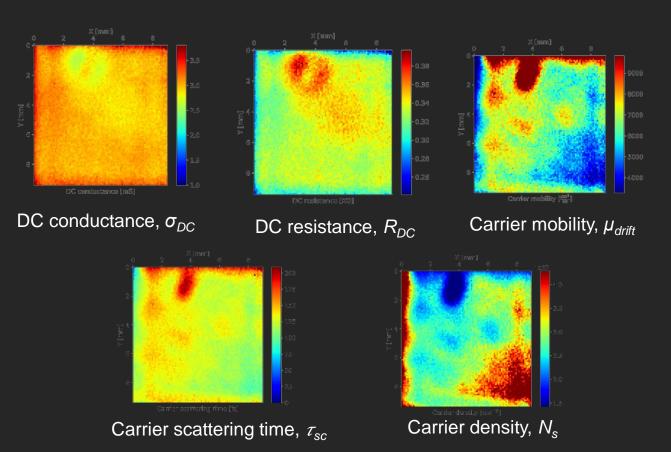






Graphene & 2D Materials Characterization

Using cutting-edge technologies like THz radiation and highly sophisticated software **Onyx** is able to inspect and characterize full-area samples offering different physical parameters showing a spatial distribution of the quality of the sample.



Tested with:

Graphene:

- Multi-layer
- Inks
- Doped
- Epitaxial over SiC
- Powder & Flakes
- Graphene Oxide

Other 2D materials:

- PEDOT
- Carbon Nanotubes
- ITO
- NbC
- IZO
- ALD- ZnO
- GaN
- MoS