

WAINVAM - QDS

Characterisation of diamonds

wainvam

Quantum Diamond Scan

the service for quantum characterisation of your diamonds

Our skills and equipment are combined in this service, to characterise coloured centre diamonds. It allows to know their quantum quality.



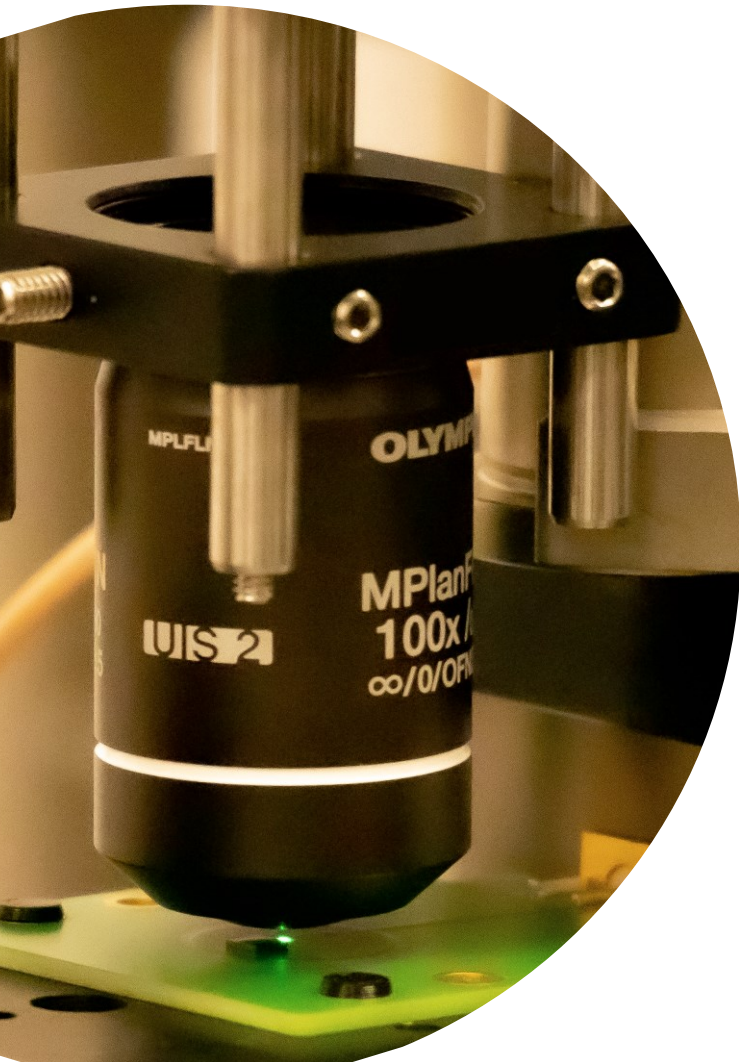
Efficiency

We offer a fast response and detailed analysis



Flexibility

We can define the test program together



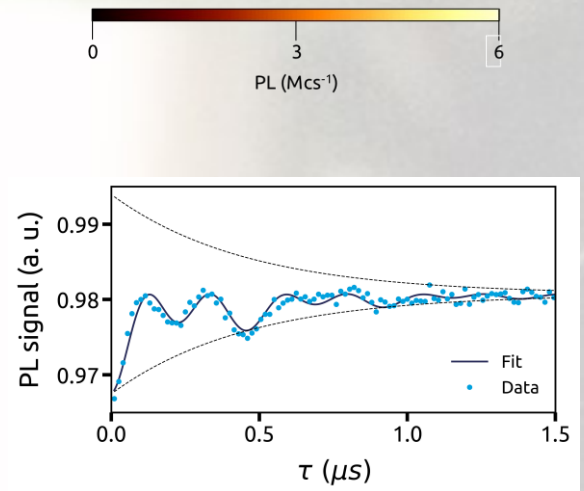
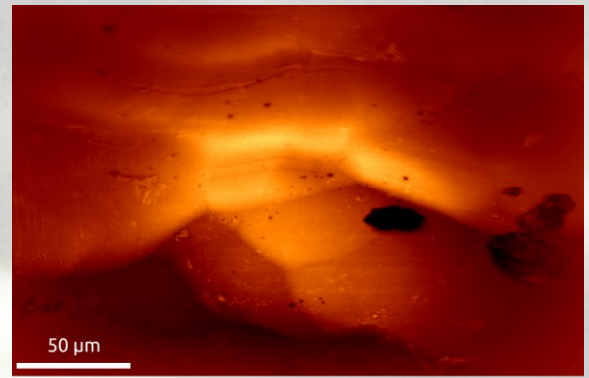
Samples we can measure

- ✓ **Milimetre - sized** NV diamonds, doped in volume or in specific regions.
- ✓ **NV nanodiamonds**, in powder or in solutions
- ✓ Other diamonds with **coloured centres**

Proposed analysis

- ✓ **Longitudinal Relaxation Time (T1)**
- ✓ **Quantum Coherence Time (T2*)**
- ✓ **Coherence Time (T2echo)**
- ✓ **Rabi oscillations**
- ✓ **Spectral analysis**

On demand: mapping of the strain and electric field parameter (E).



Information to provide

- **Number** of diamond(s) and/or quantity of sample(s) to be analysed.
- **For bulk diamond:** doping of each diamond (by volume or surface).
- **Size/dimensions** of each diamond.
- **Reference** for each diamond.
- **List** of desired analysis.

Request a quotation from our website, or contact the sales team: sales@wainvam-e.com

