

Industrial optical coherence tomography system (IND-OCT)

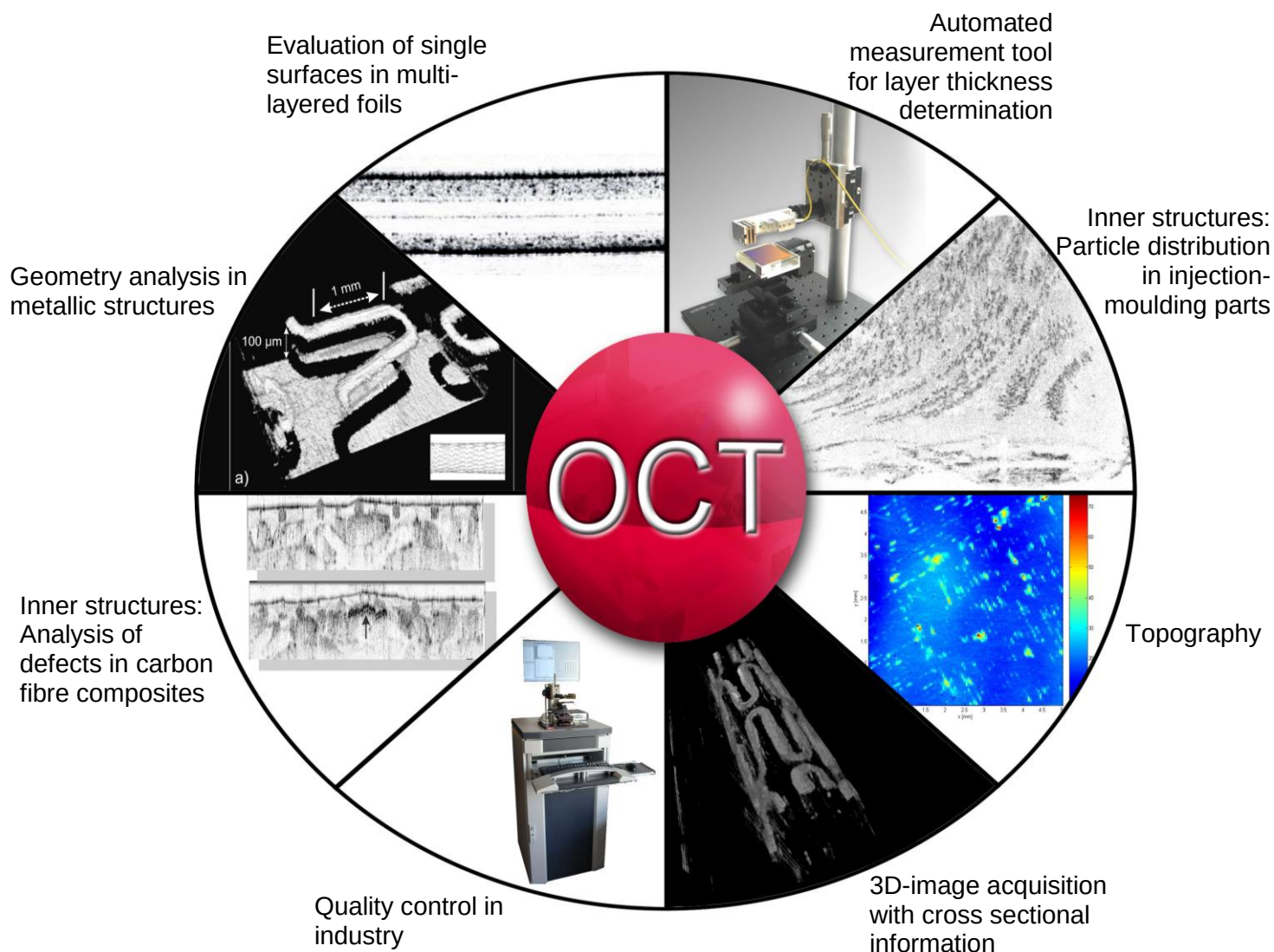


- **Contactless and non destructive** imaging of subsurface structures in translucent materials.
- **Penetration depth** is material dependent (up to several millimetres)
- **Compact and small** (computer mouse sized probe head)
- Works with **harmless** infrared light
- **Fast**: delivers several cross-section images per second
- **Ultra high resolution**: depth resolution of **1µm** possible, determination of layer thickness with sub-µm accuracy.
- **Low costs** (comparable with the costs for a „normal“ microscope)
- High potential for **cost reduction** in product development and **quality control**

Fields of application:

OCT is well suited for semi-transparent materials, as e.g.

- plastics (injection moulding parts, multi-layered foils,...)
- composite materials (carbon fibre composites,...)
- metals (surface morphology, coatings)
- glasses, ceramics
- semiconductors



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