



VTT today



154.2 M€ net turnover 14.4 M€ other operating income 85.1 M€ government grant



2,093 employees **530** scientific

articles

~ 430

patent families

45%

of net turnover from abroad

VTT

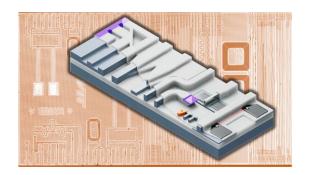
is under the state ownership steering of the Ministry of Economic Affairs and Employment of Finland



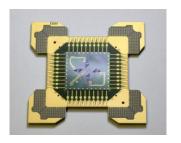
VTT Photonics components

Around 400 employees work in photonics related research topics

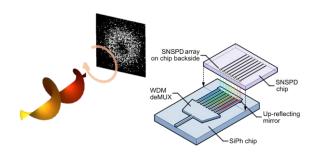
Silicon photonics



Optical communication



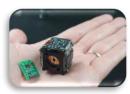
Quantum photonics



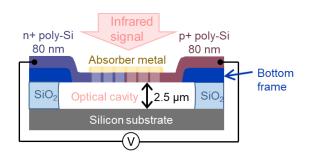
Miniaturized hyperspectral cameras







Bolometers



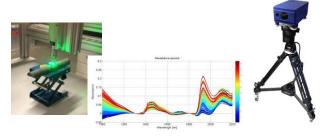
2-field LIDAR scanner





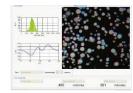
VTT Photonics instruments

Optical instruments & spectroscopy



Industrial sensors machine vision



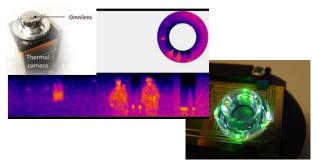


Handheld instruments - NIR analyzer



Optics design and simulation

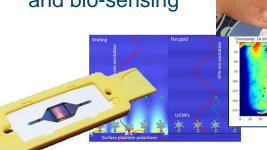
- 360 degree Omnilens imaging

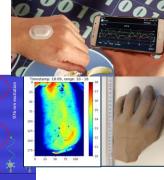


Large-area photonics



Wearable sensors and bio-sensing





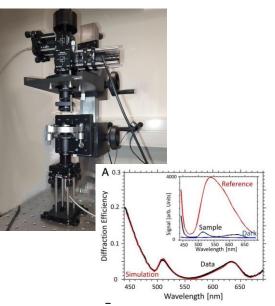


VTT Optical design and measurements

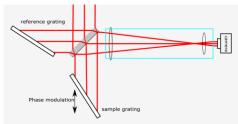
Measurements traceable to SI-units

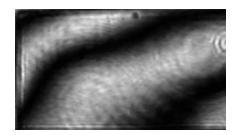
Spectral scatterometry

pixelwise phase map for period and rotation variation



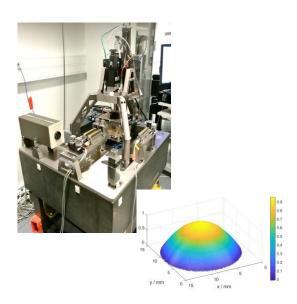
Phase stepping interferometry accurate imaging of grating homogeneity





Multi-sensor optical profilometer

freeforms form & thickness measurements





bey^Ond the obvious

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