

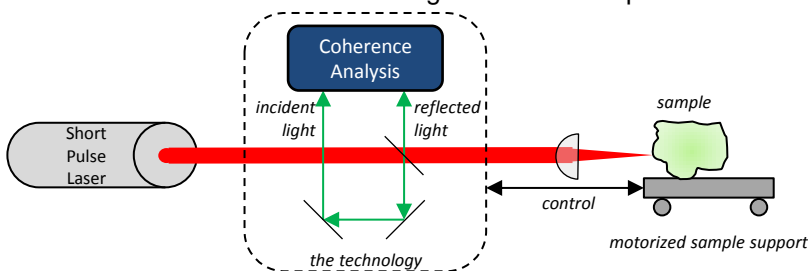
## Autofocus for ultrafast lasers



### Technology



An autofocus system for femto/pico second pulsed lasers based on the coherence between incident and reflected light from the sample.



### Benefits

- Automatic focusing : no human intervention (delay line embedded)
- Accurate : the sample is in the exact focal point, even for rugged surfaces
- Adaptable : no need to change anything when working on new samples
- Fast : the tuning is made in few seconds
- Contactless : adjustments are made remotely with light feedback in a meter range
- Polyvalent : it works for a large range of wavelength

### Applications

- Micromachining
- Ophthalmic surgery
- Optics Laboratories

### Keywords

- Pulsed Laser
- Micromachining
- Laser surgery
- Optics

### Intellectual Property

Patented WO 2016102540 A1

### Development Status

Prototype for pump-probe system validated

Prototype for single pulsed beam in progress

### Partnership

Licensing

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