

## Shape sensing of morphing-wing sections using fibre optic sensors

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**Publication date**

2021

**Document Version**

Final published version

**Citation (APA)**

Nazeer, N., & Groves, R. M. (2021). *Shape sensing of morphing-wing sections using fibre optic sensors*. Poster session presented at Precision Fair 2021 , 's-Hertogenbosch, Netherlands.

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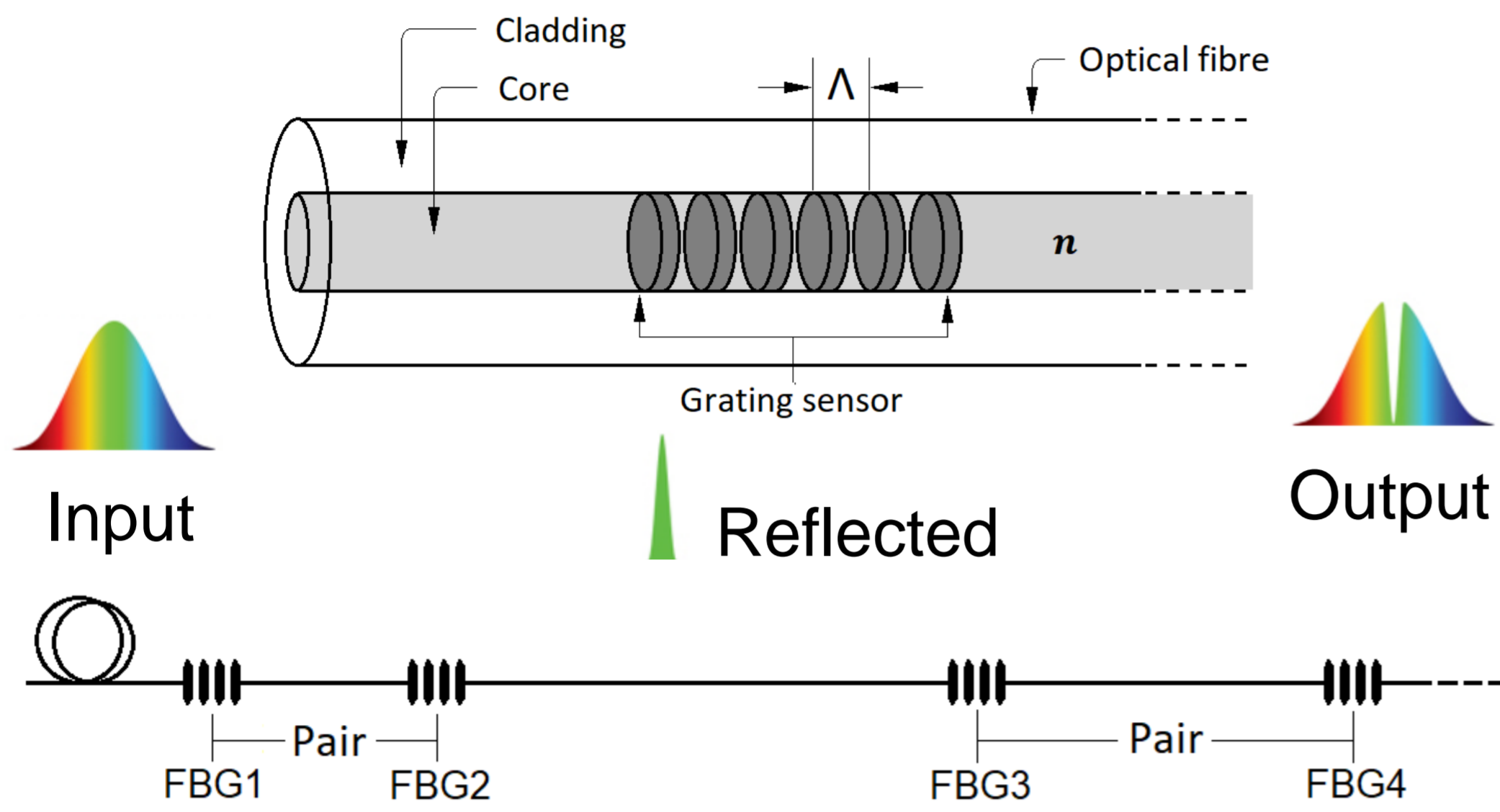
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# Shape sensing of morphing-wing sections using fibre optic sensors



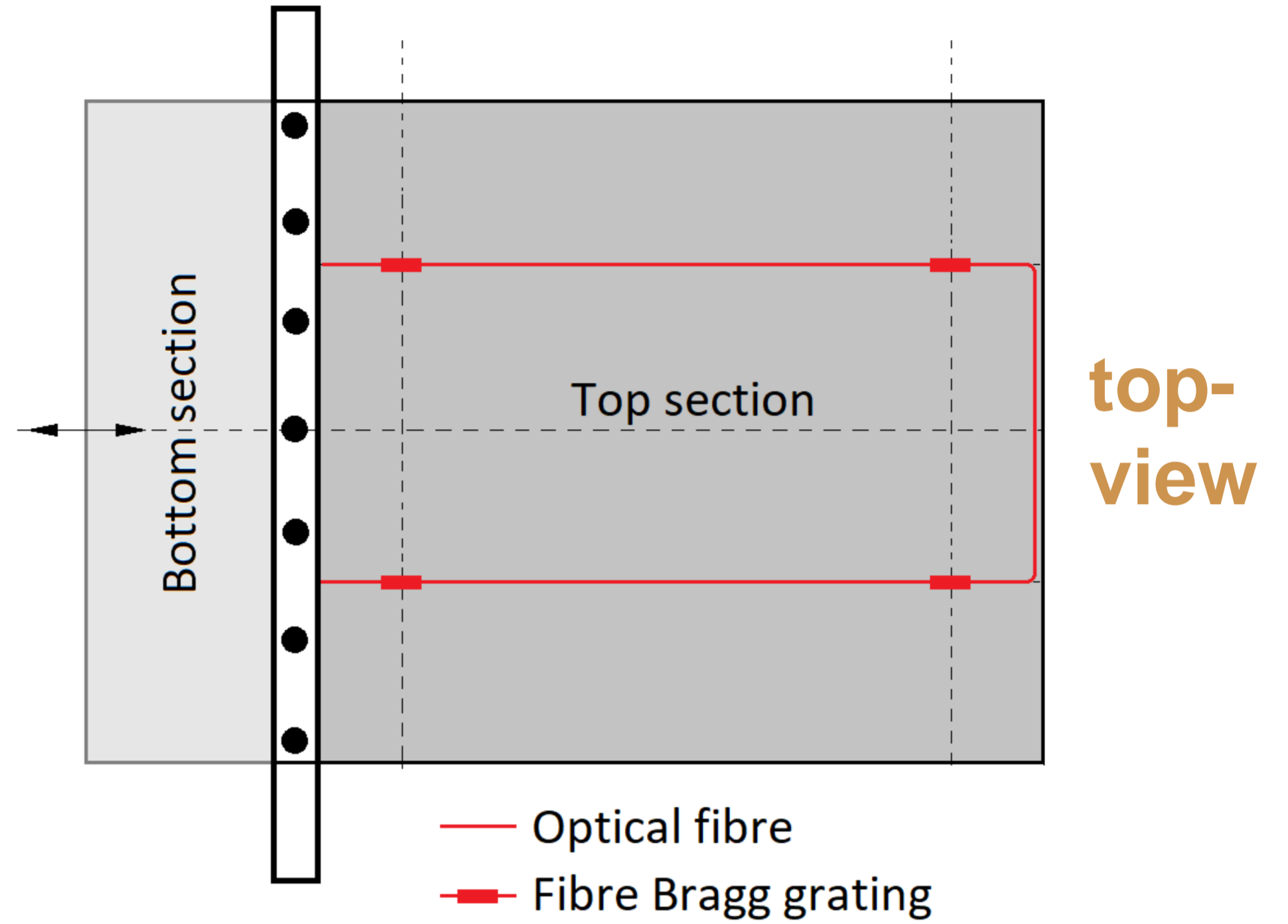
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## Fibre Bragg grating (FBG) sensing

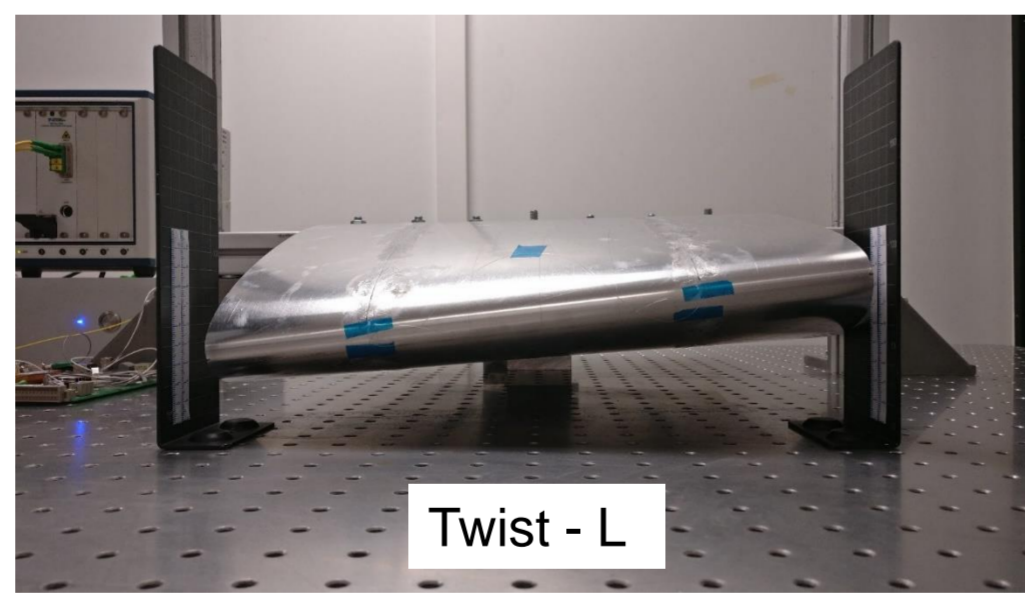
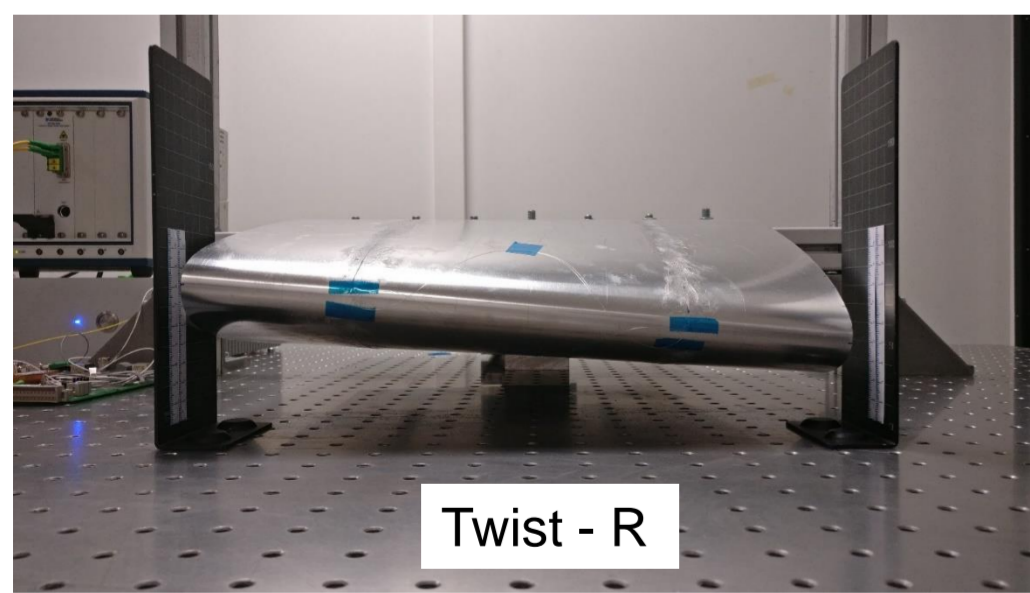
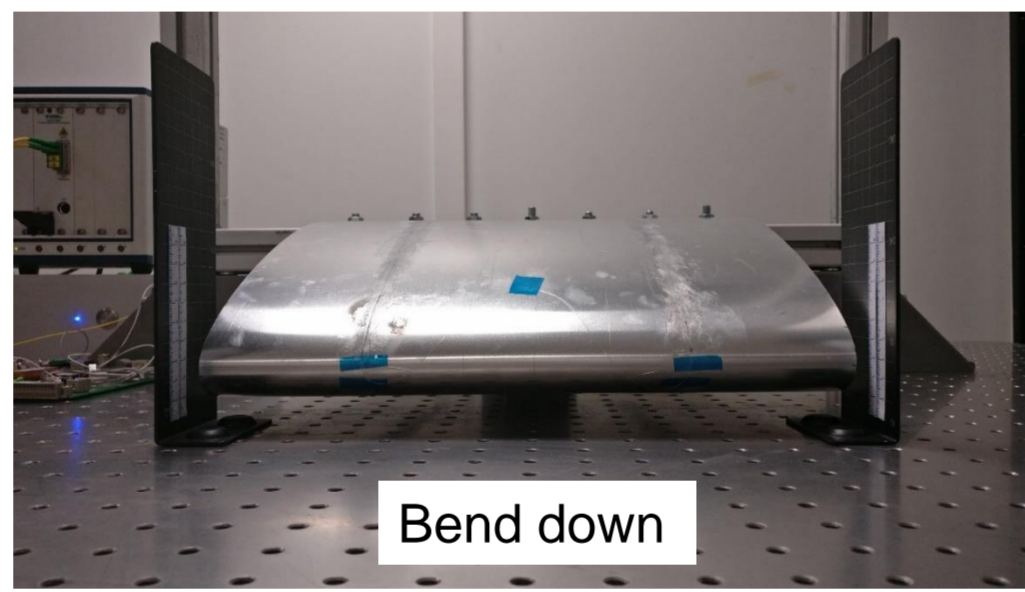
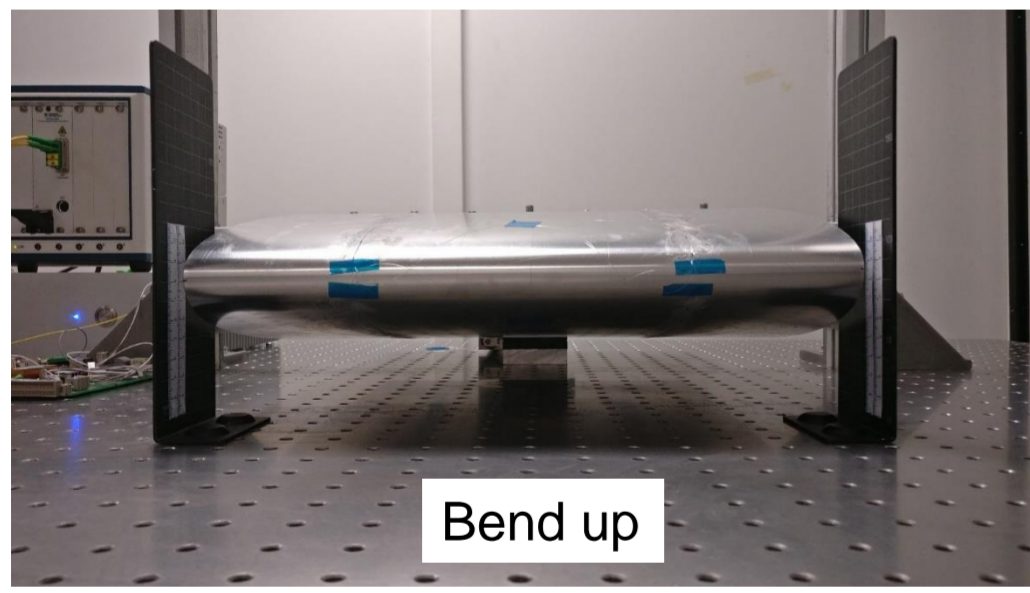
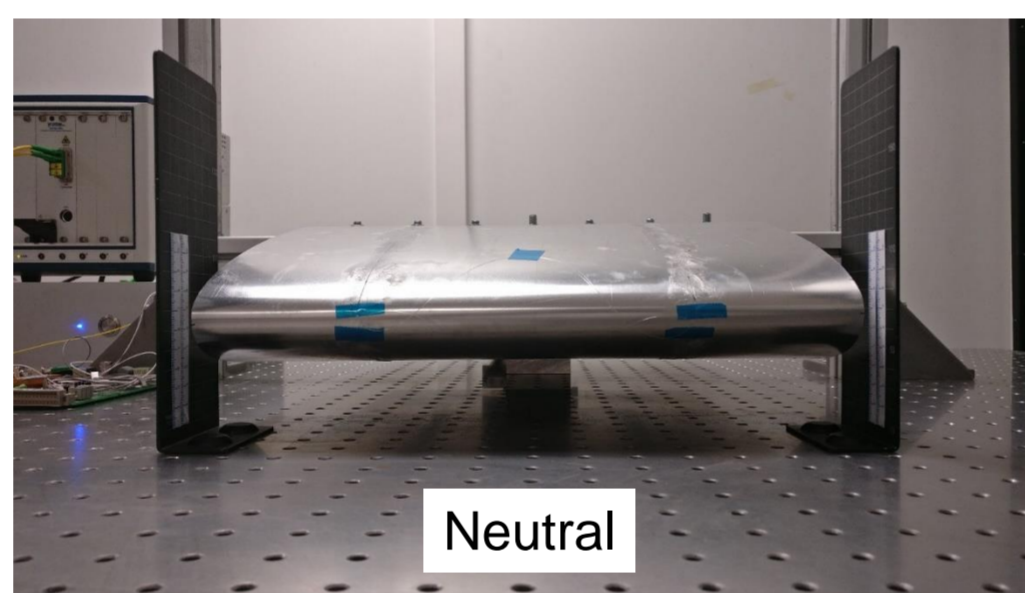
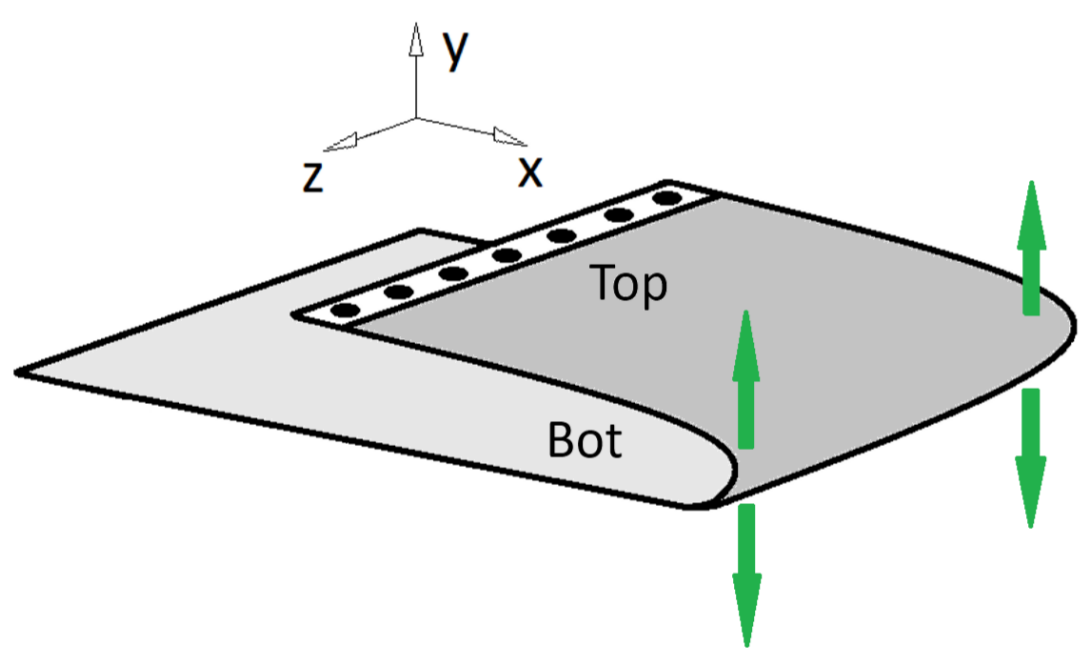


Measuring local strain at each grating and the displacement between each grating pair

## Wing sensor layout

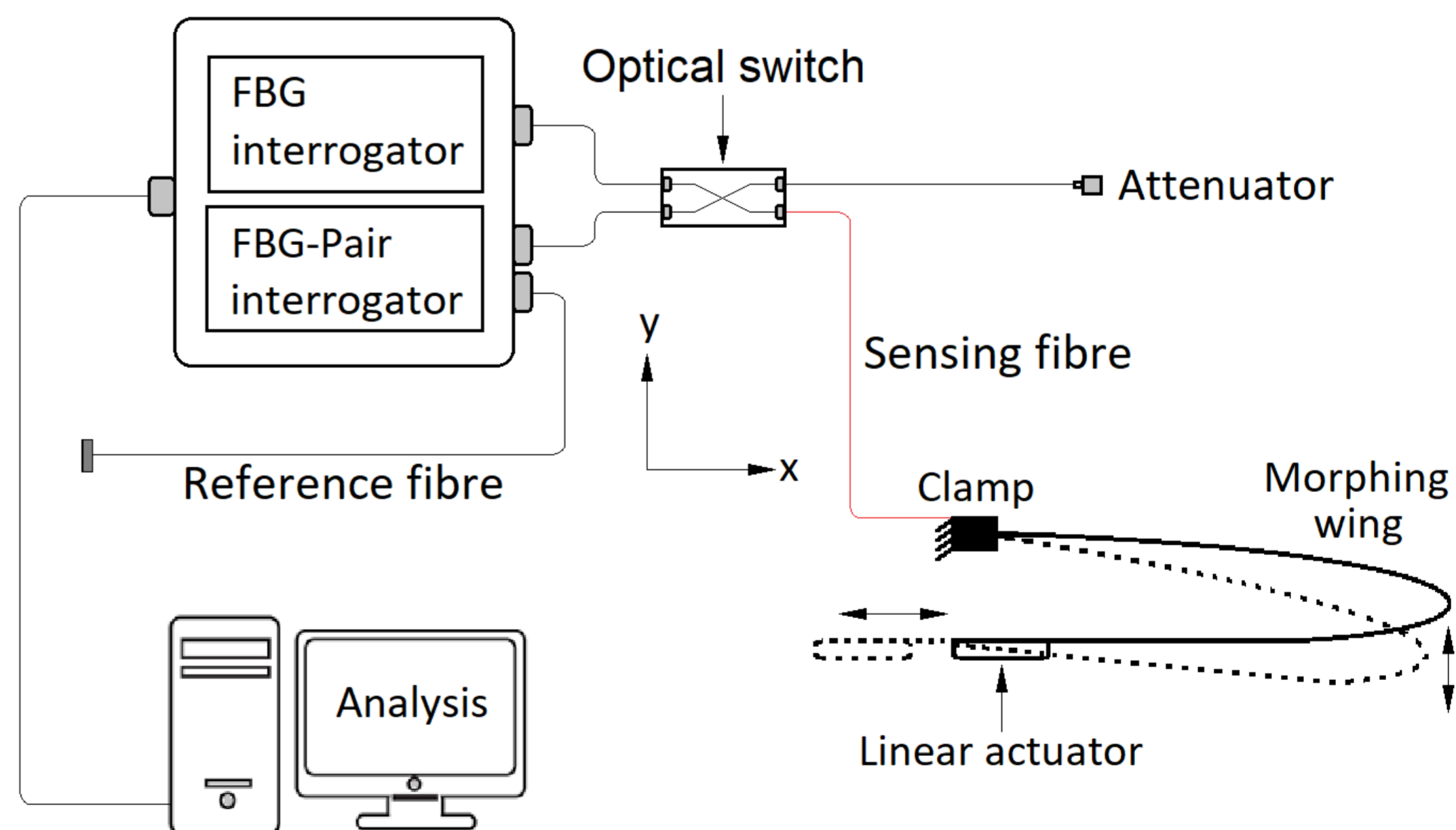
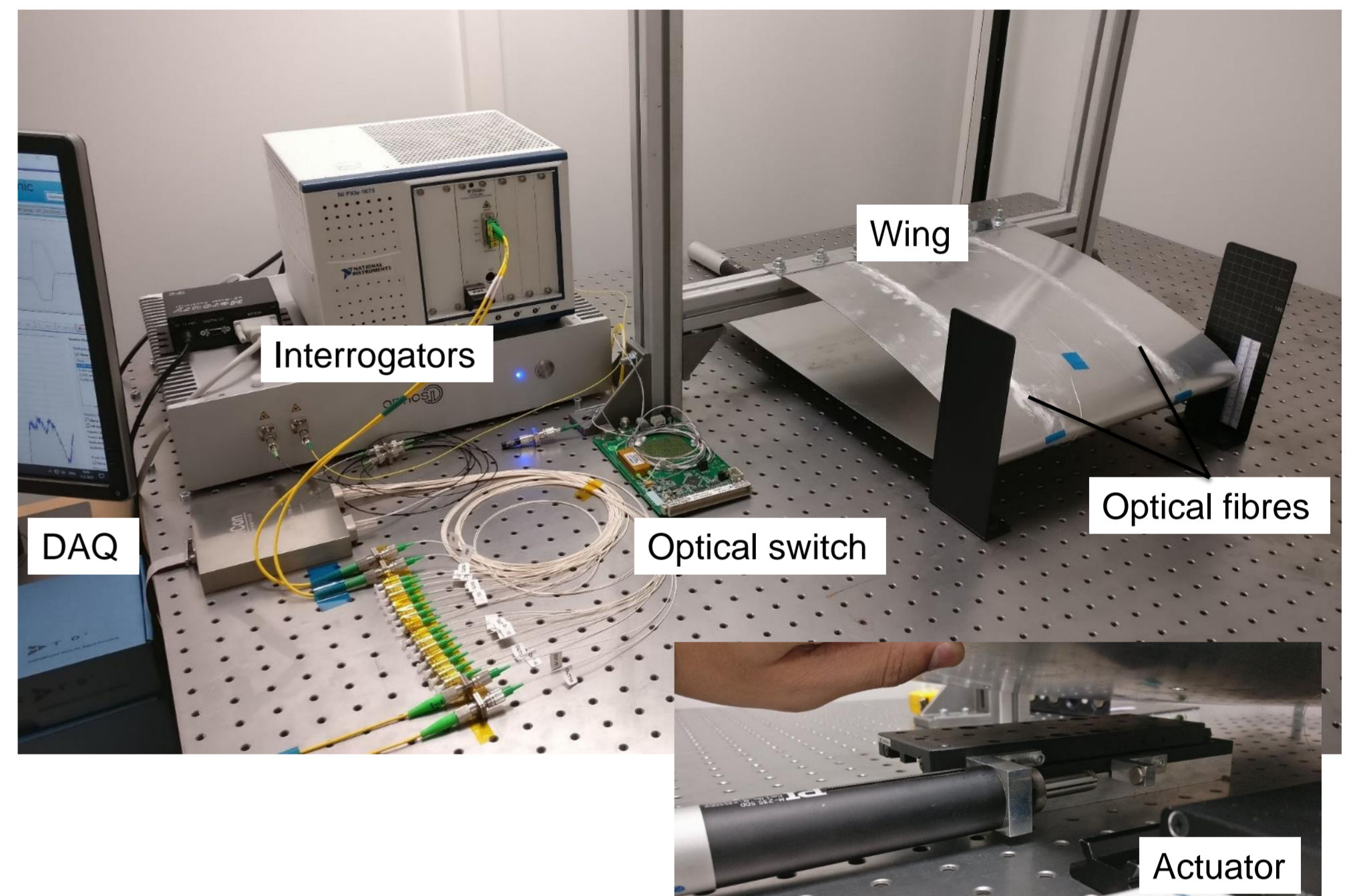


## Morphing sequences



The wing is monitored while it adapts its shape to achieve ideal aerodynamic and structural performance during different flight regimes

## Test setup



Feel free to contact us for updates or additional information