

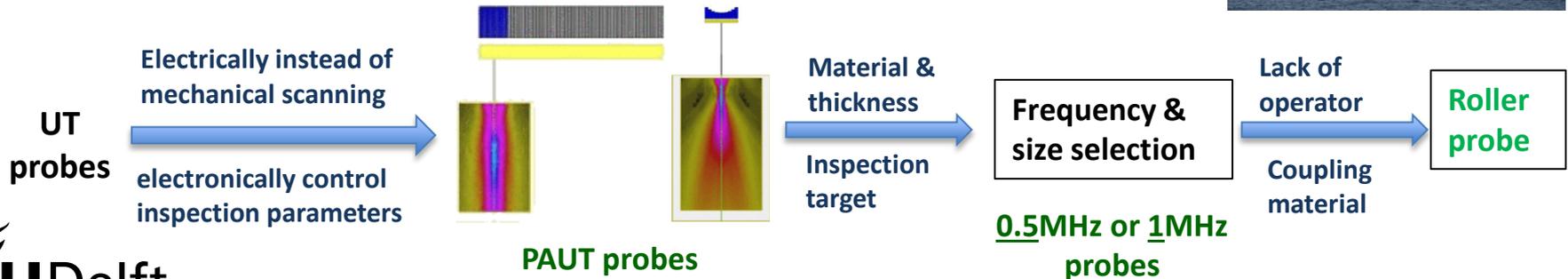
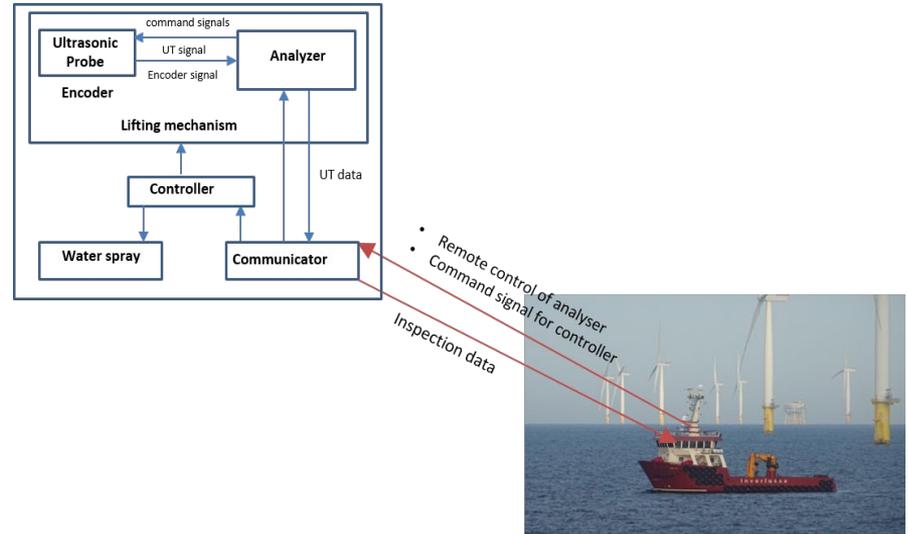
# Ultrasonic Sensor Package Design

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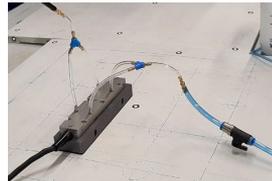
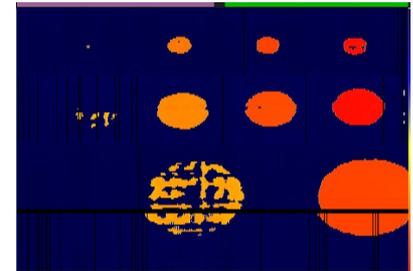
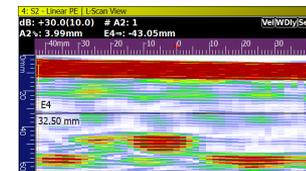
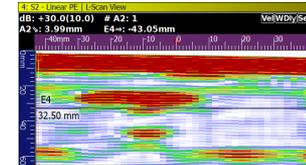
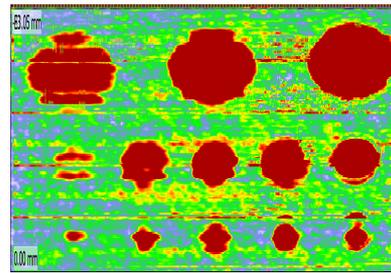
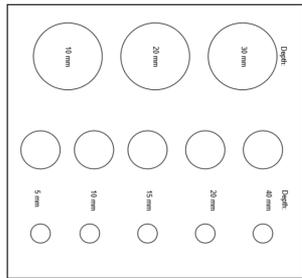
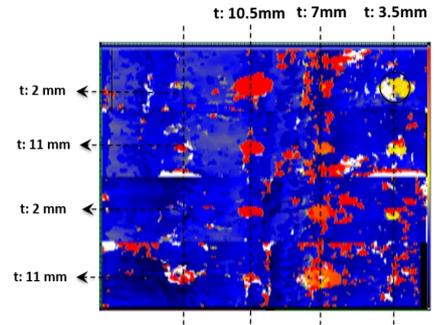
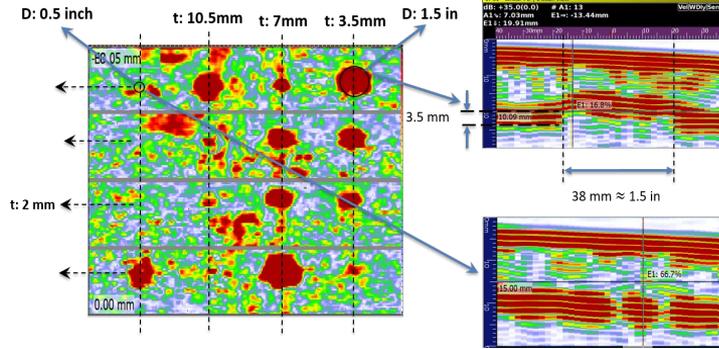
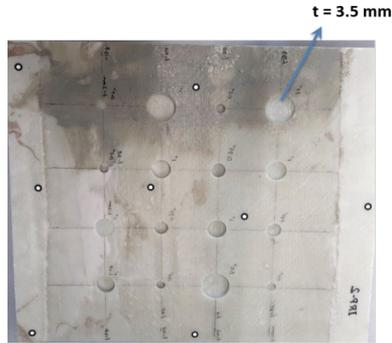
# Hardware Selection and design based on requirements

## Requirements

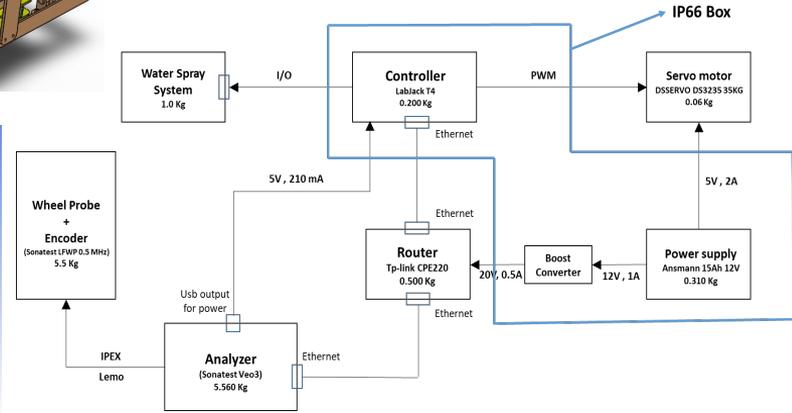
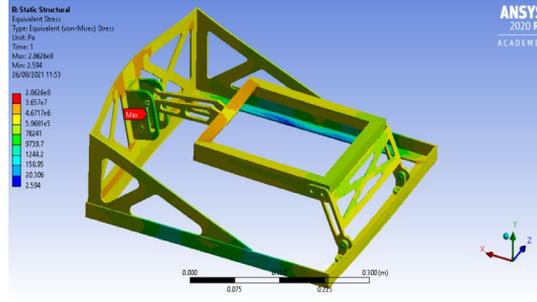
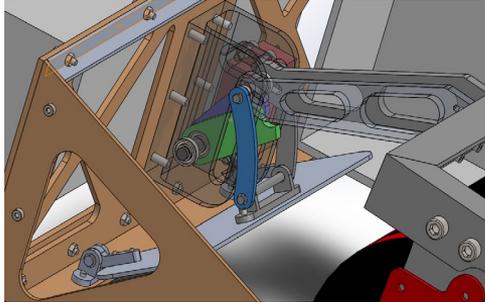
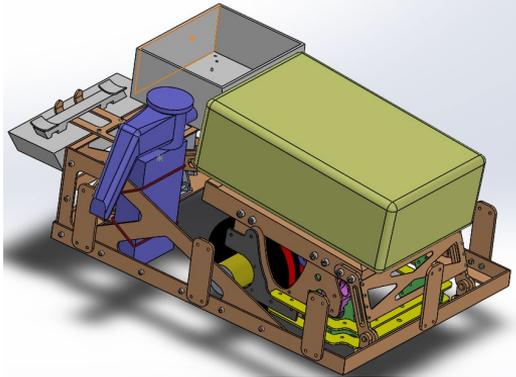
- Operate in offshore
- Be carried by drone and crawler
- Perform with remote control
- wide range of thickness 10-70 mm
- Inspect different kind of damages



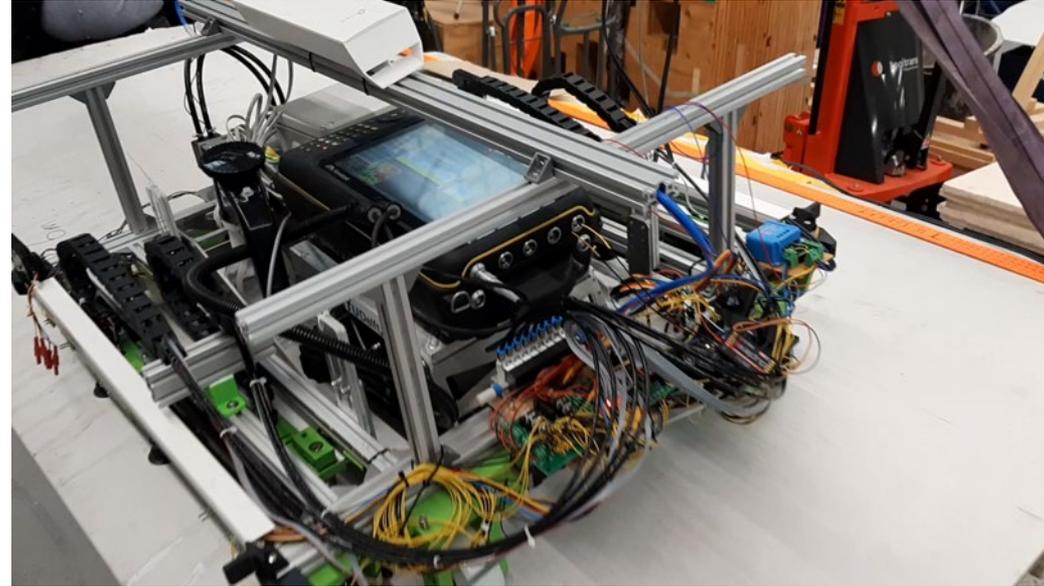
# Hardware Selection and design based on requirements



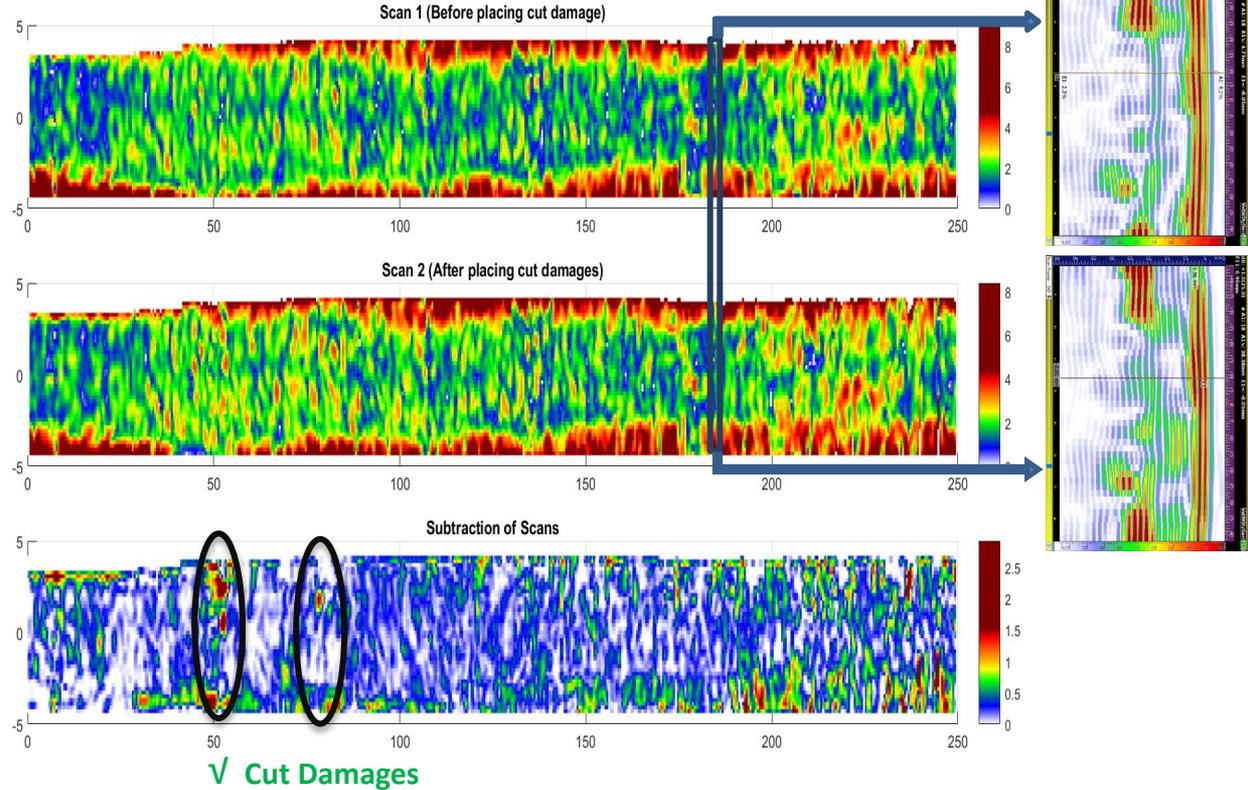
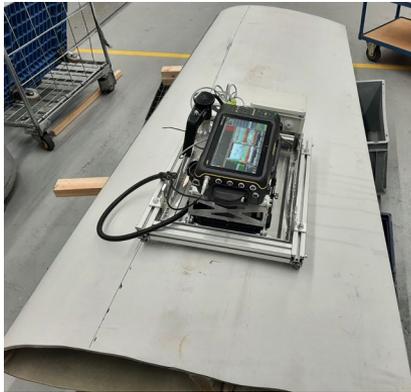
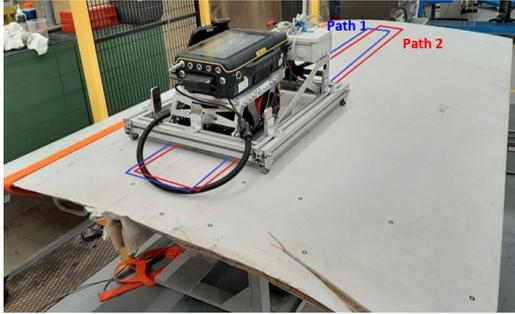
# Hardware Selection and design based on requirements



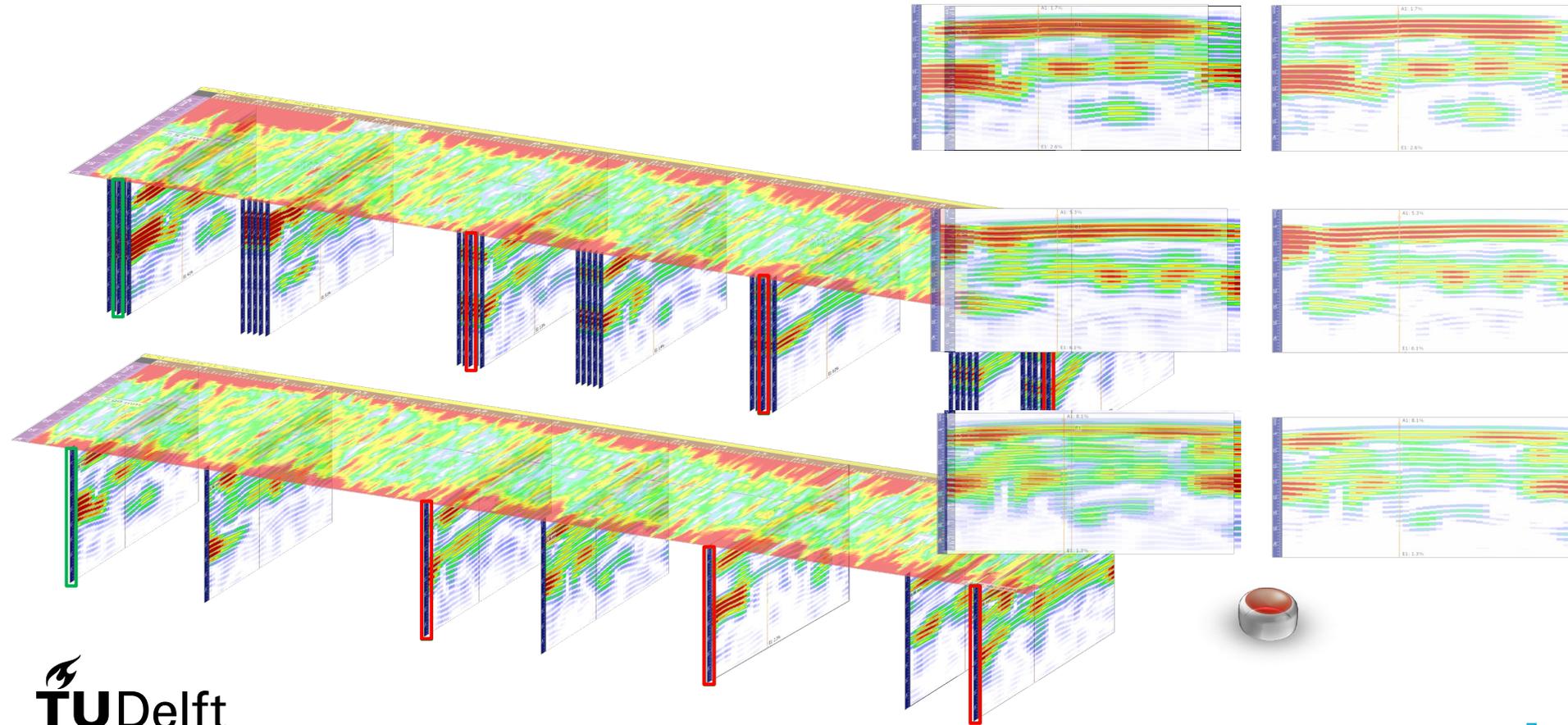
# Hardware Selection and design based on requirements



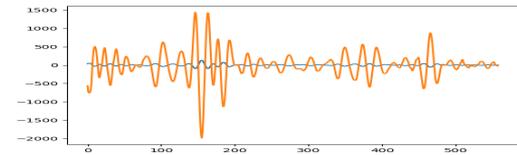
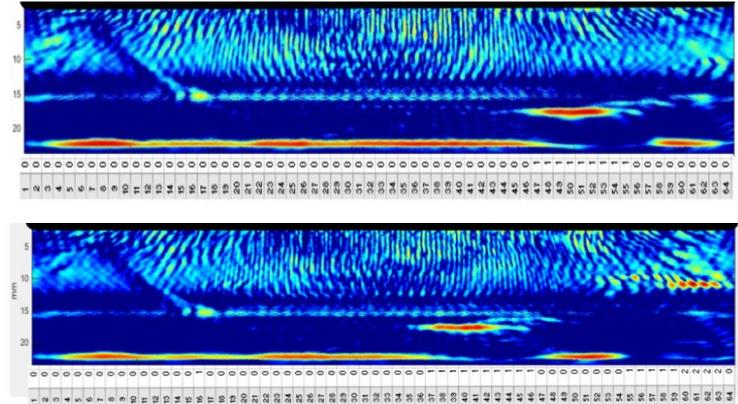
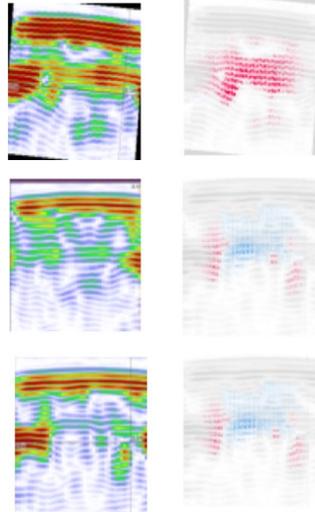
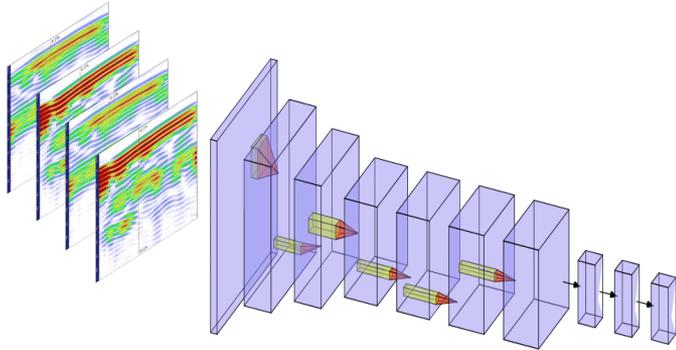
# Evaluation and Data Processing – Data Fitting

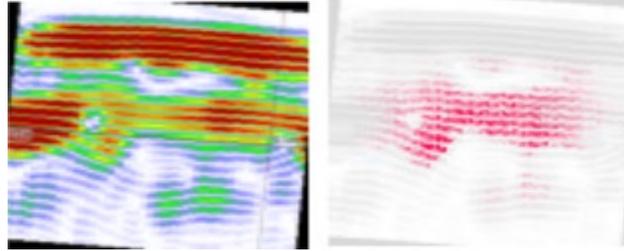


# Evaluation and Data Processing – Data Fitting



# Evaluation and Data Processing – AI Based



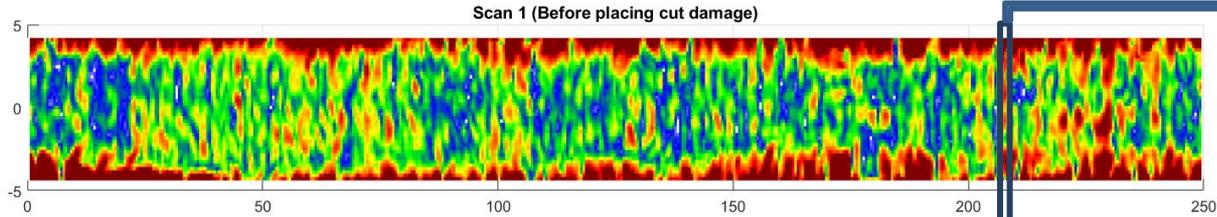


## Ultrasonic Sensor Package Design

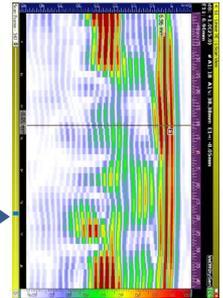
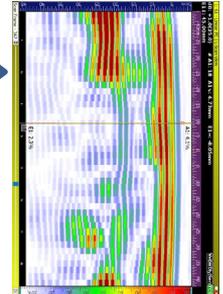
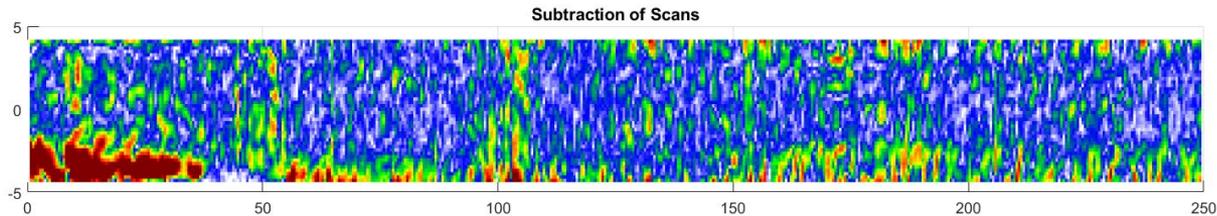
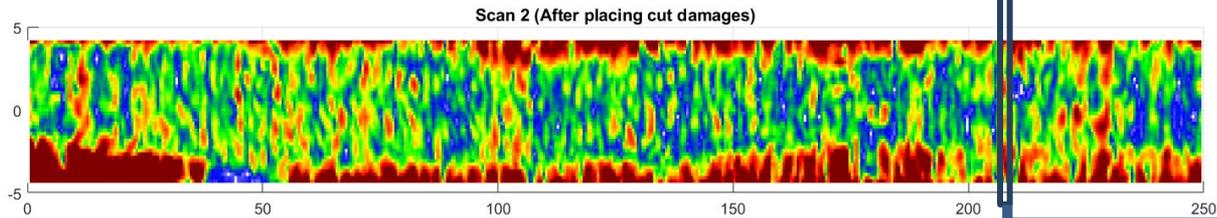
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# Evaluation and Data Processing – Data Fitting

**Scan 1**  
Before placing  
Cut damage



**Scan 2**  
After placing  
Cut damages



# Evaluation and Data Processing

