

# WEARPLEX Beta Workshop: Electrode manufacturing



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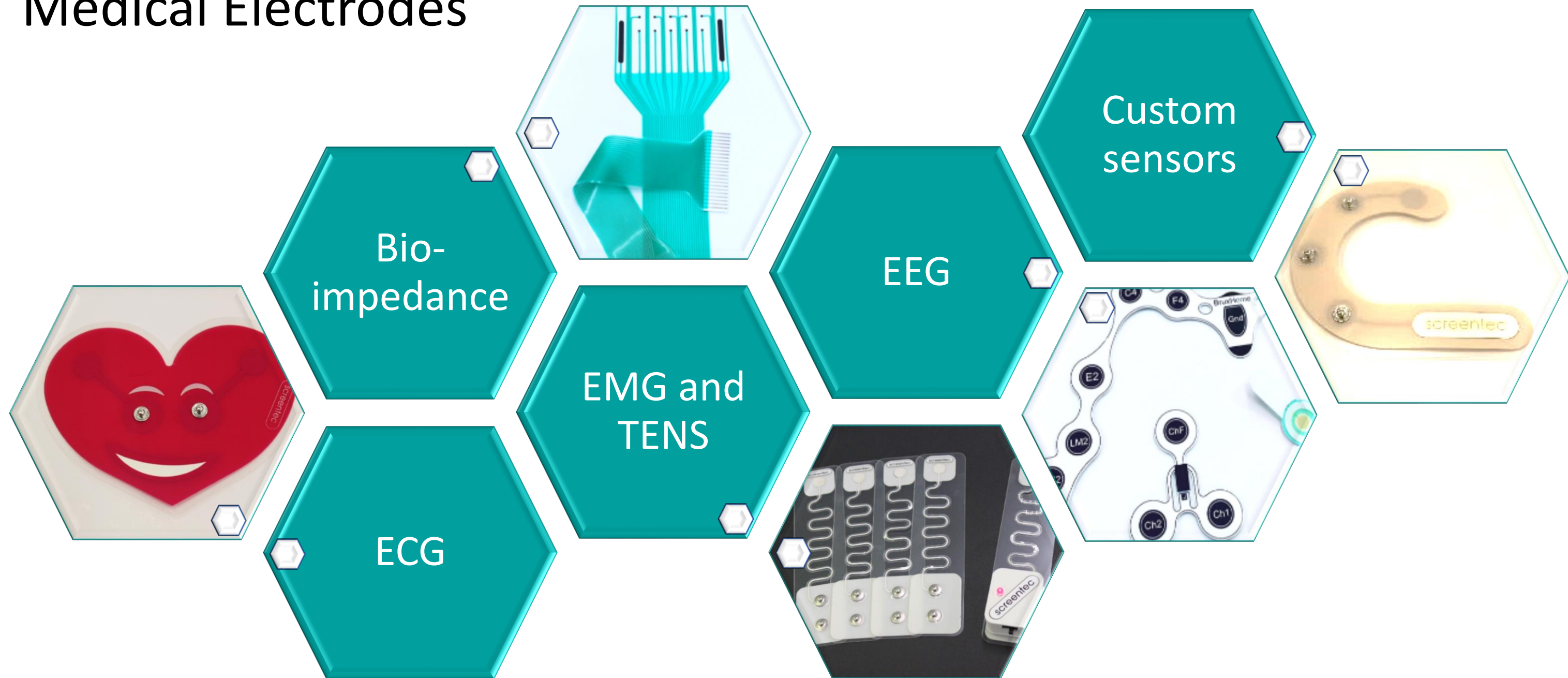
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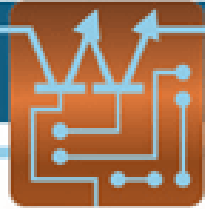
24<sup>th</sup> March 2021



# Introduction

## Medical Electrodes





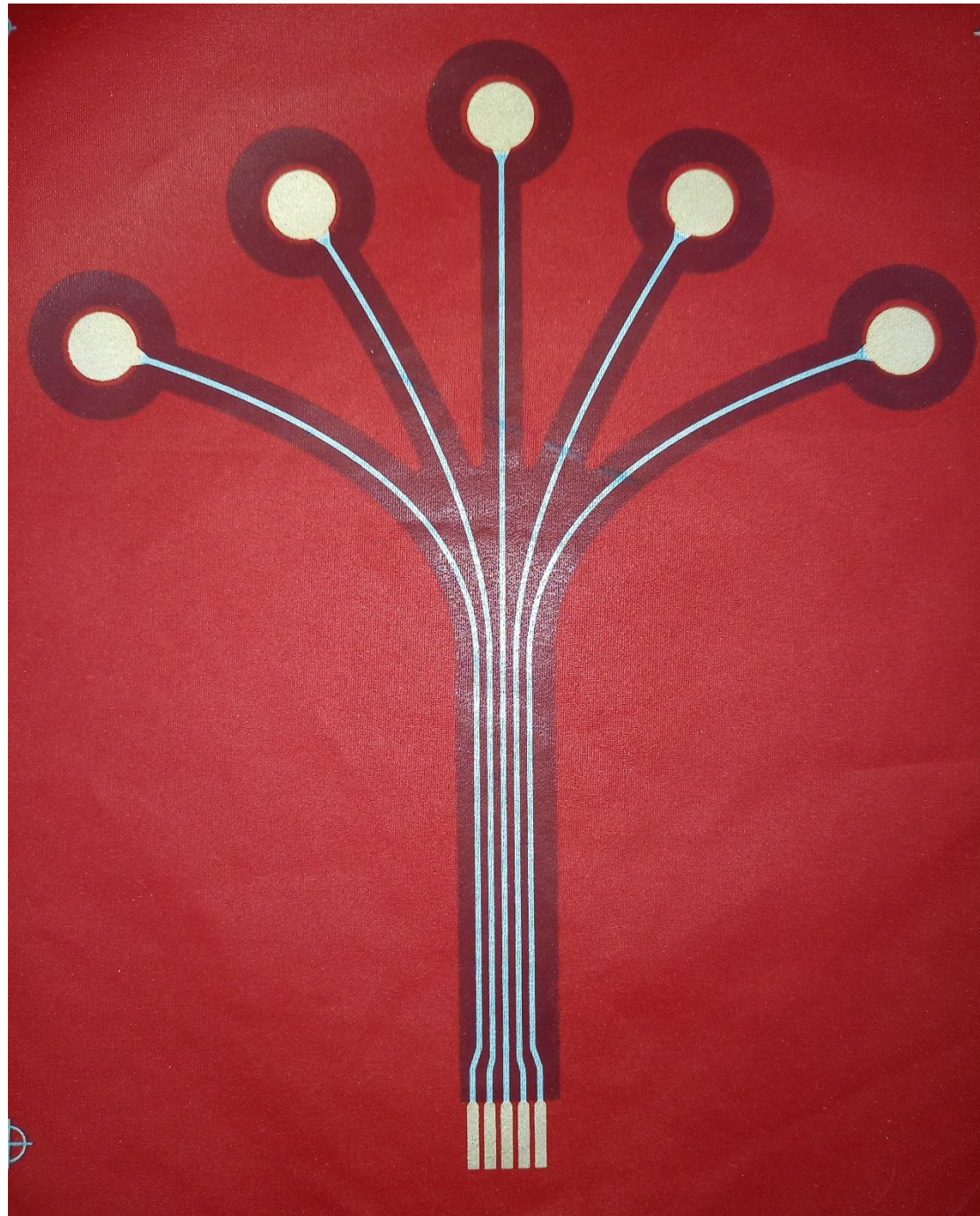
# Introduction

- » Flat bed screen printing
  - » Heat and UV-curing
  - » Lamination (cold and heat)
  - » Mechanical cutting
  - » Laser cutting
  - » Dispensing
  - » Mechanical parts
  - » Assembly
  - » Cleanroom
- Sheet and R2R processes
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- Sheet process (R2R coming H1/2021)
- Manual and automated sheet processes
- 3D Printing
- Electrical components, mechanical parts, connectors, final product assembly, testing
- ISO 7





# Textile printing

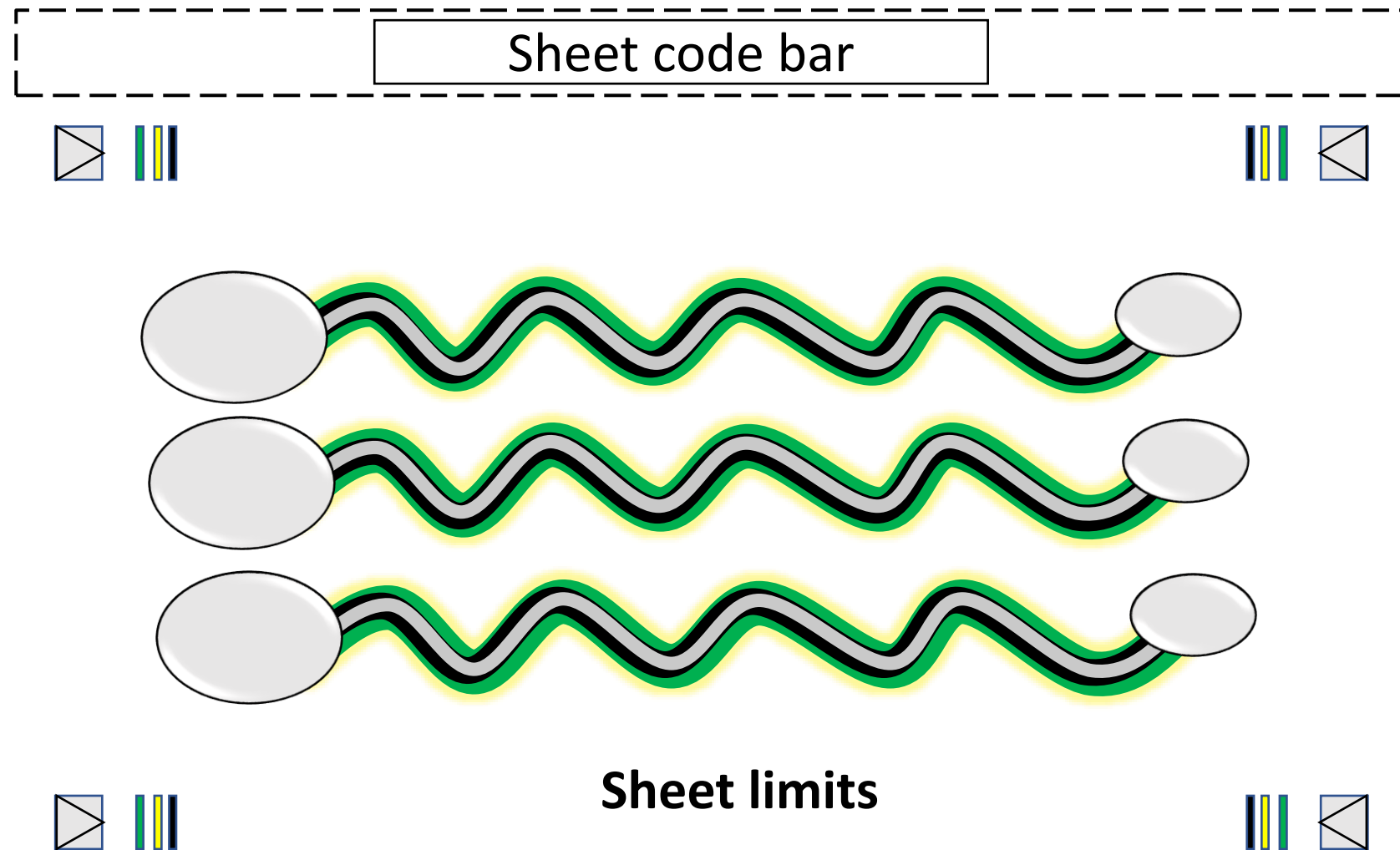




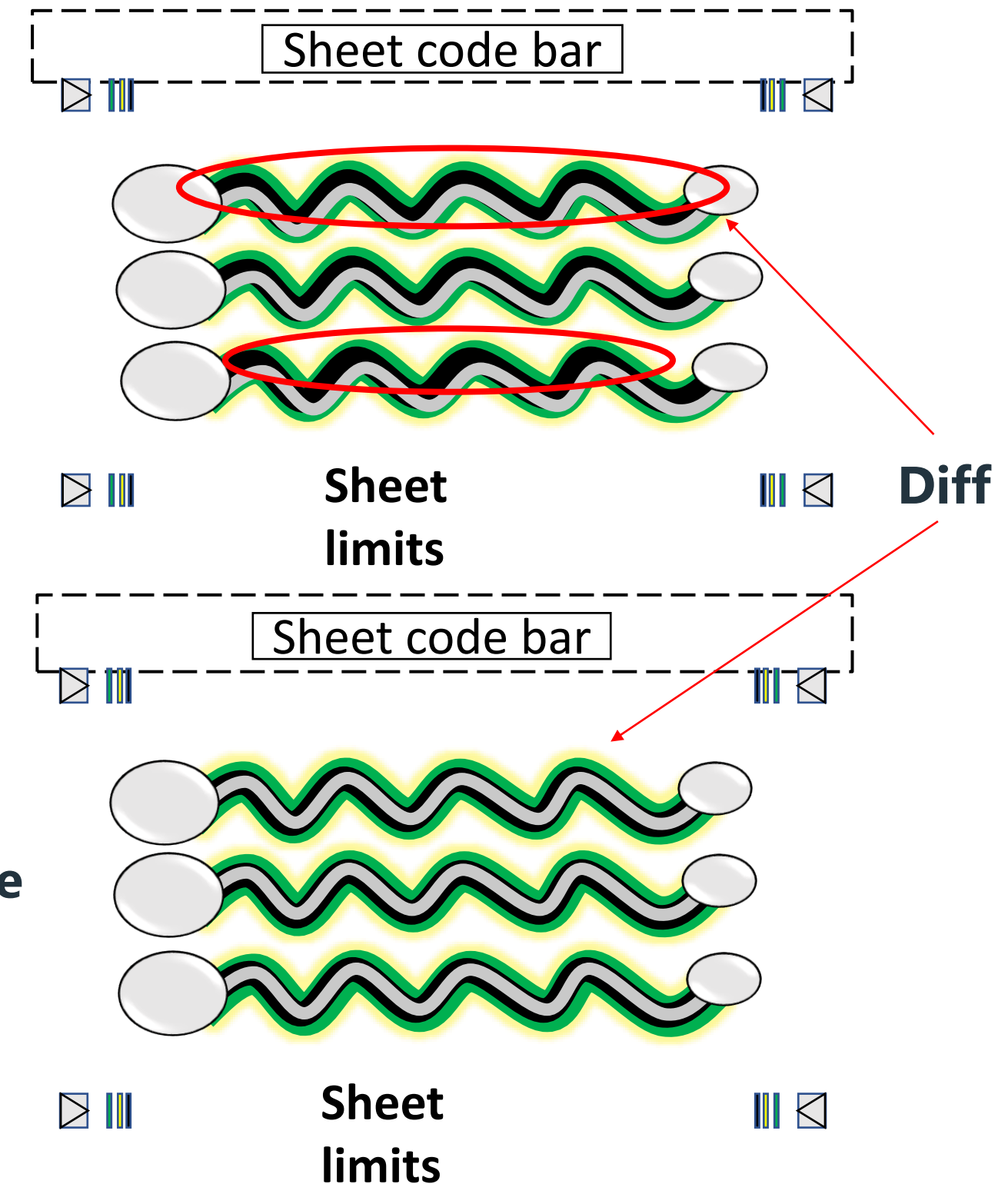


# The camera system

Saving images and data for further control



Printed sheet





# Future developments for WEARPLEX

- » Textile, primer and inks from the partners → Print trials, sheet-to-sheet at first
- » Process development
- » Camera development:
  - » Later we want to do some statistical analysis and quality control
  - » Develop the accuracy of the system when it come to a high number of layers
  - » Make real-time registration with possible correction actions to the system.