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Introduction

- Development of medical devices for the foot includes high risk of inefficiencies – cost, time
- This project aims to de-risk product development by enabling product performance testing prior to expensive clinical testing.

Methods

- Phase 1 – Review of literature and industrial needs analysis
- Phase 2 – Establish design specification
- Phase 3 – Development and validation of test platform
- Phase 4 – Experimental research on real-world products

The industrial test platform comprises a segmented foot skeletal model, flexible 3D printed plantar tissue, KUKA robotic arm and pressure capture system.



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Development of an Industrial Test Platform for Foot Health Device and Footwear Testing

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