

Smart Incoming Inspection System

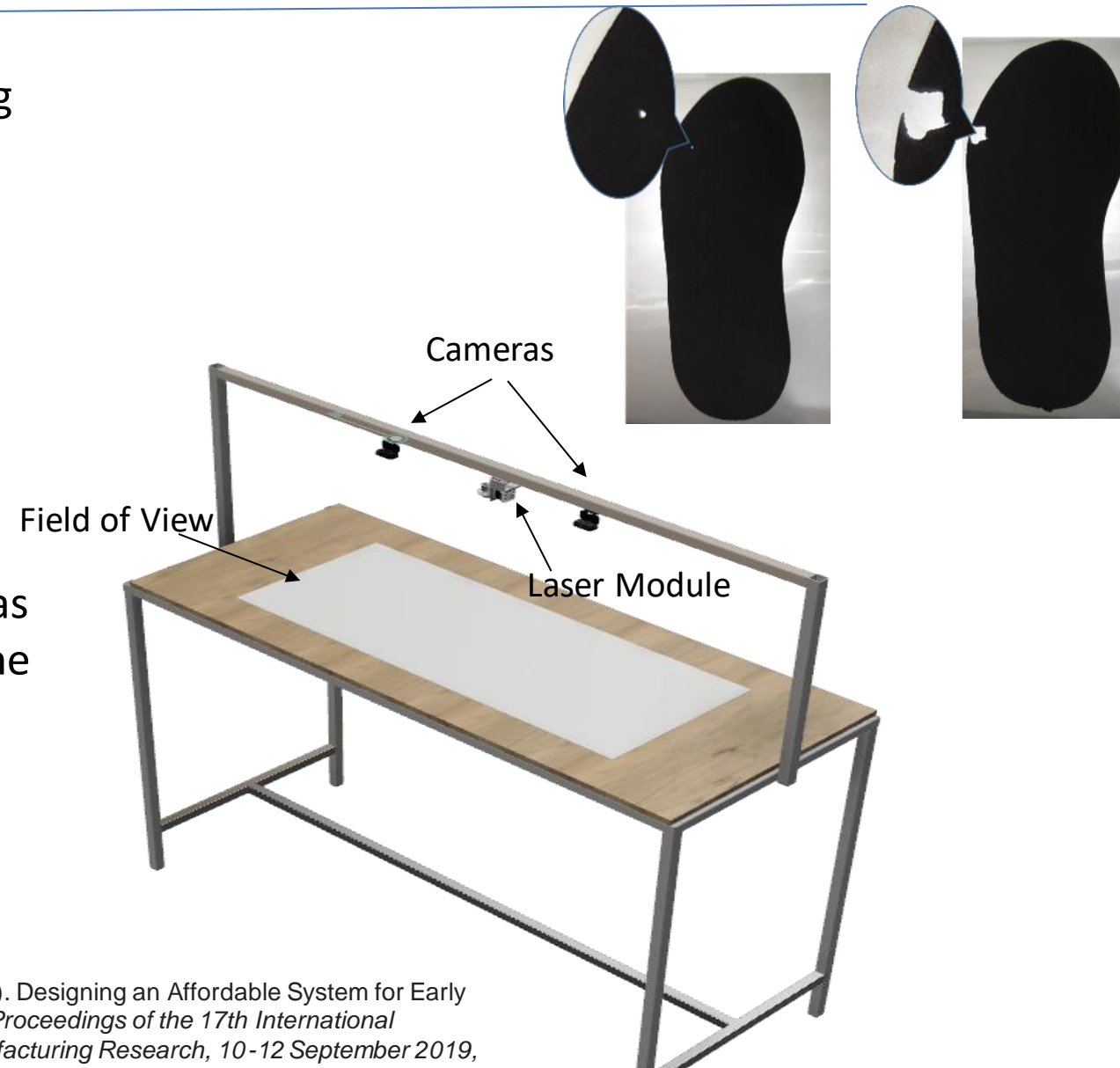
Project deliverable to a Medical Device Manufacturing MSME (Orthotic Footwear manufacturer)

Defects were identified during the production- post cutting of soles.

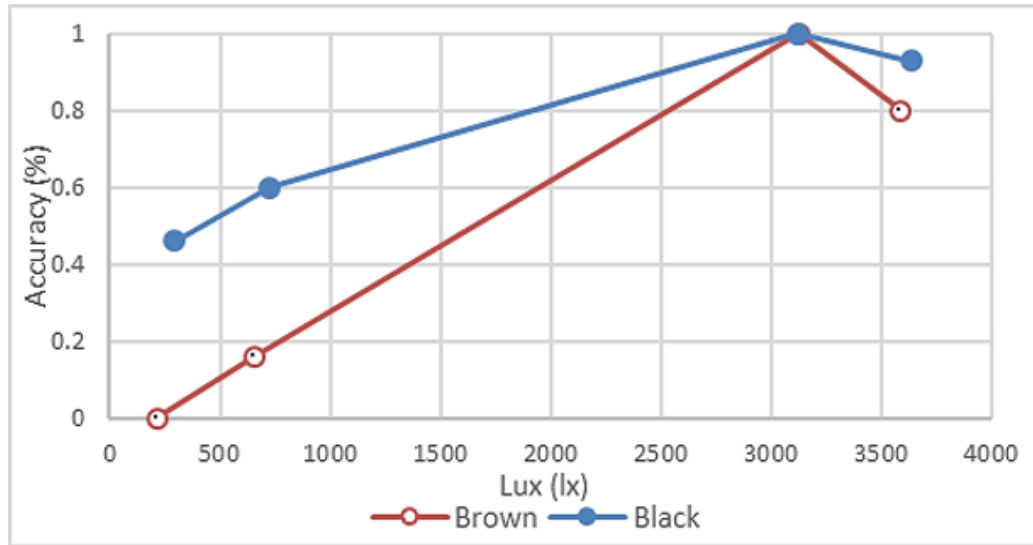
Affordable solution for Inspection and quality check at the incoming stage of raw materials

A machine vision algorithm and off the shelf cameras with a robotic laser pointer to assist highlighting the defect

Reduces wastage, time, human effort and cost of production



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Optimized light setting for accurate identification of defects (min: 1mm)

Defects are displayed as blobs and numbered for easy identification

Established statistical significance on average rejections post introduction of the system

