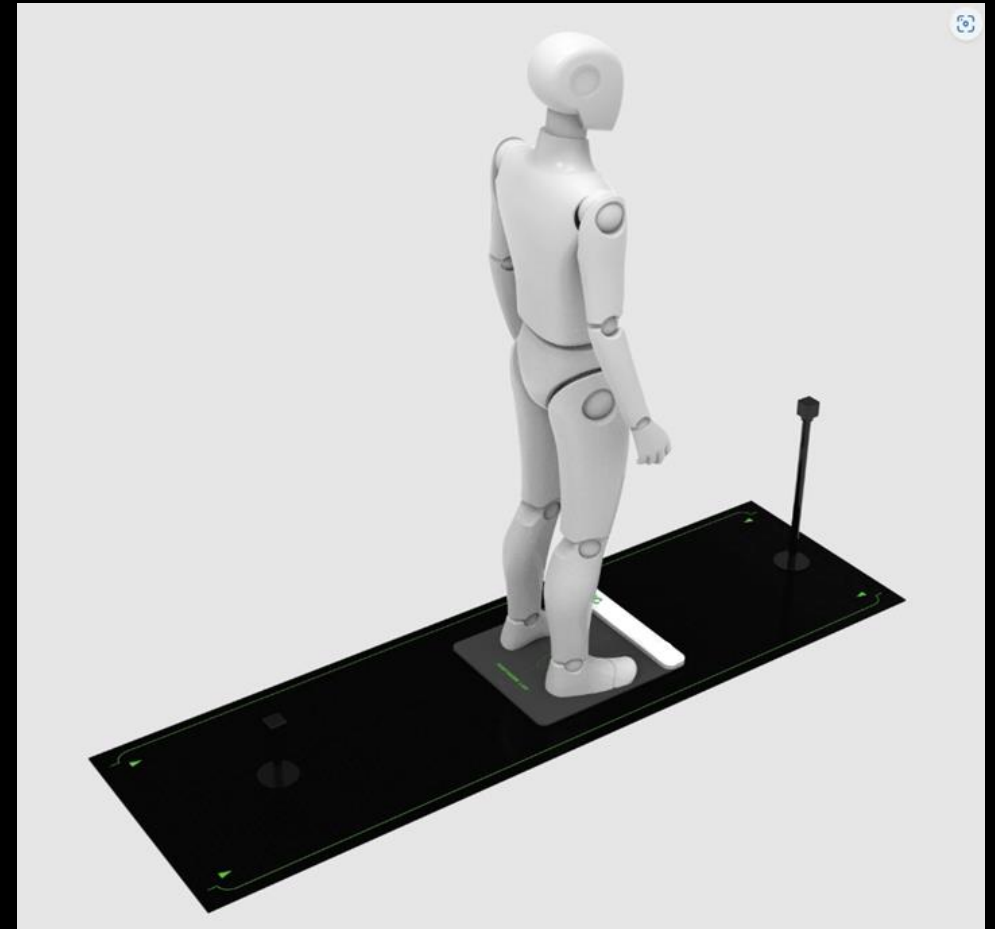


**Footware
services by
Medical &
Engineering
Solutions**

The FMP foot scanner uses a pressure pad and two body cameras to evaluate a patient's weight distribution and posture

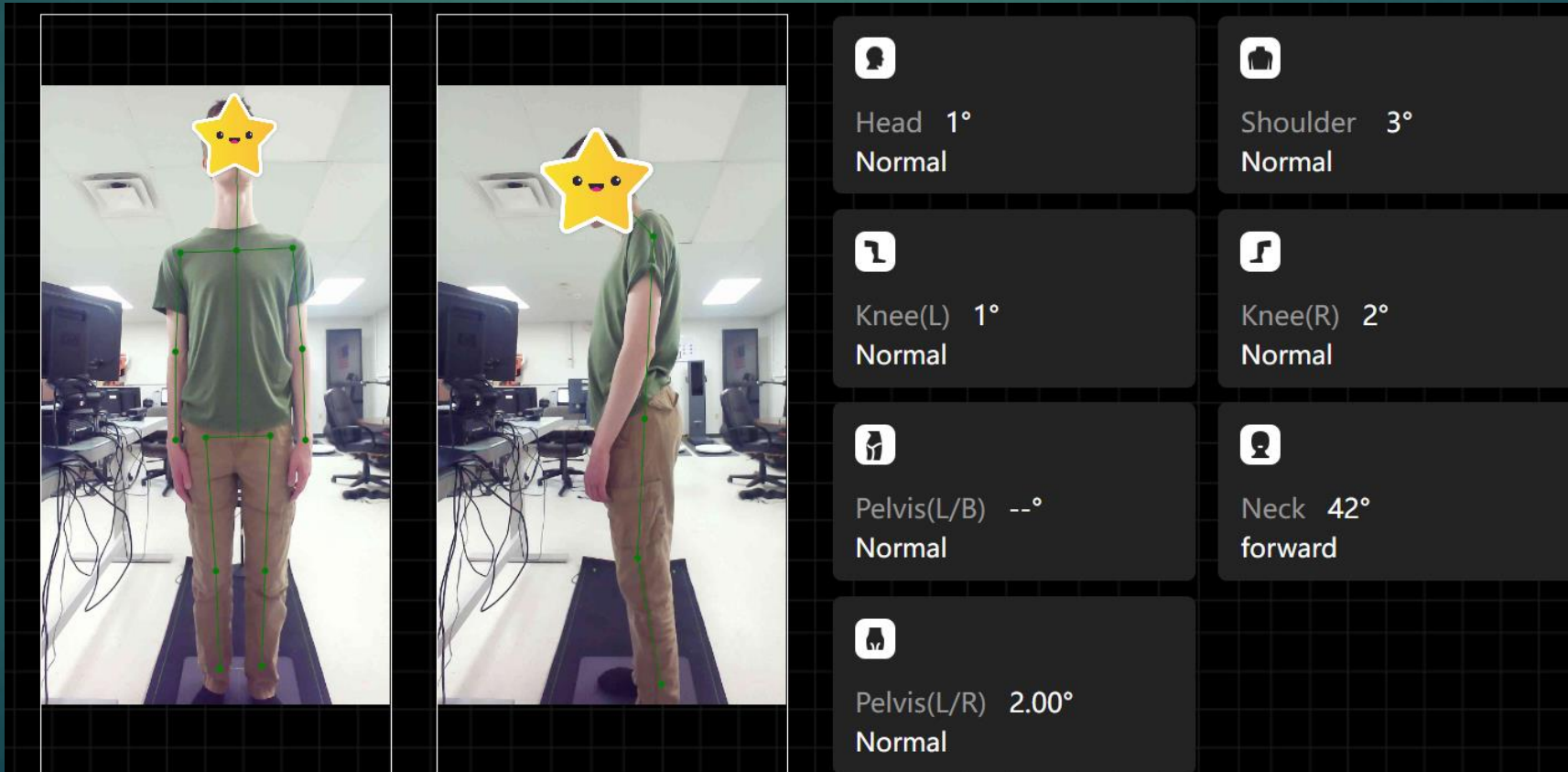


Force Line Balance Acquisition

- The user follows a series of on-screen steps while standing on the pressure pad.
- Records balance pressure performance using pressure pad
- The camera takes images that can measure alignment, used to determine the body's force line by evaluating the person's posture.

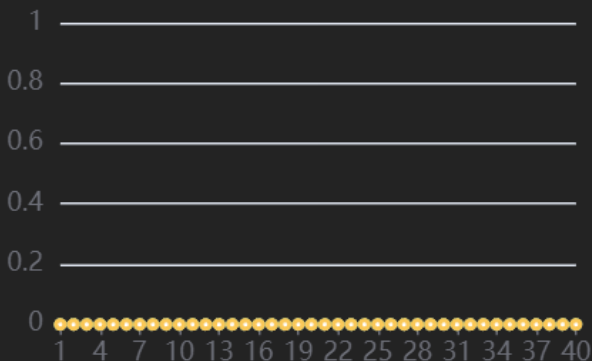


The results will show an analysis of the person's posture, and the angles of the person's limbs



COP offset curve

● human body
 ● Left foot
 ● Right foot



COP trajectory

Average pressure value (L) 24.66	Average pressure value (R) 24.10
Peak pressure value (L) 56.00	Peak pressure value (R) 51.00
Total pressure (L) 8483.00	Total pressure (R) 7446.00
stability 0.03mm²	center of gravity offset speed 0.32mm/s

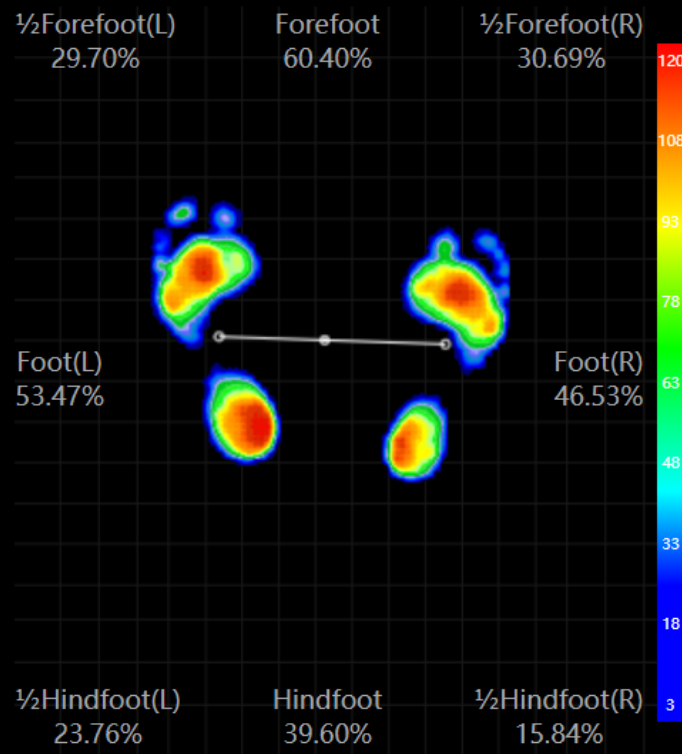
Analyze results

Arch type (L) High	Arch type (R) High
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Stand
Bend
Toe-up

L Force area: 118.00cm²
 Main stressed parts:
 Forefoot

R Force area: 108.00cm²
 Main stressed parts:
 Forefoot



Speed 50

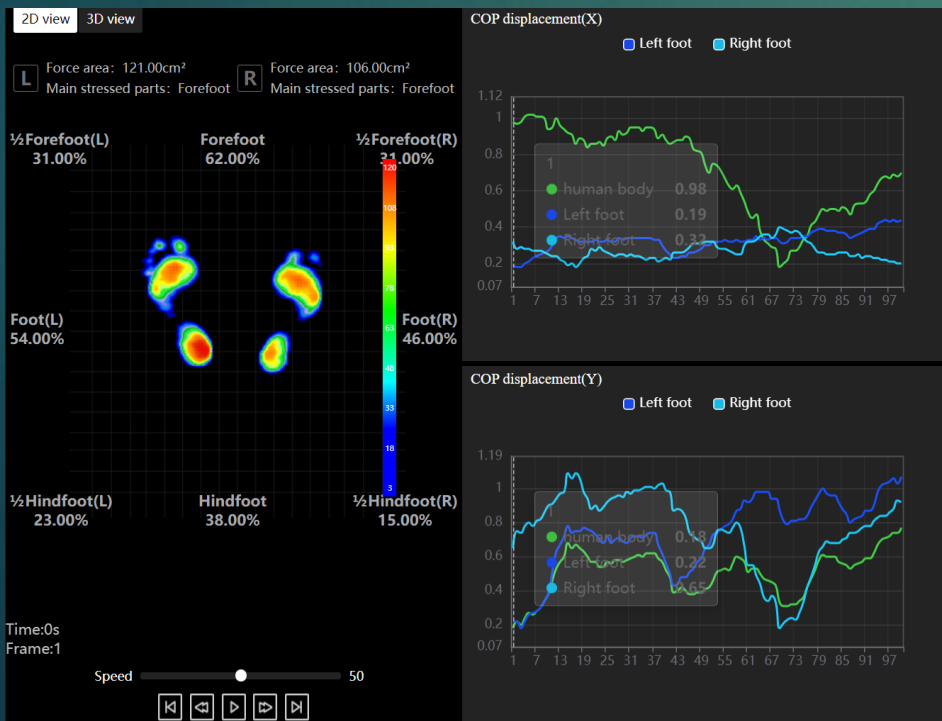


A detailed foot analysis will be generated, showing:

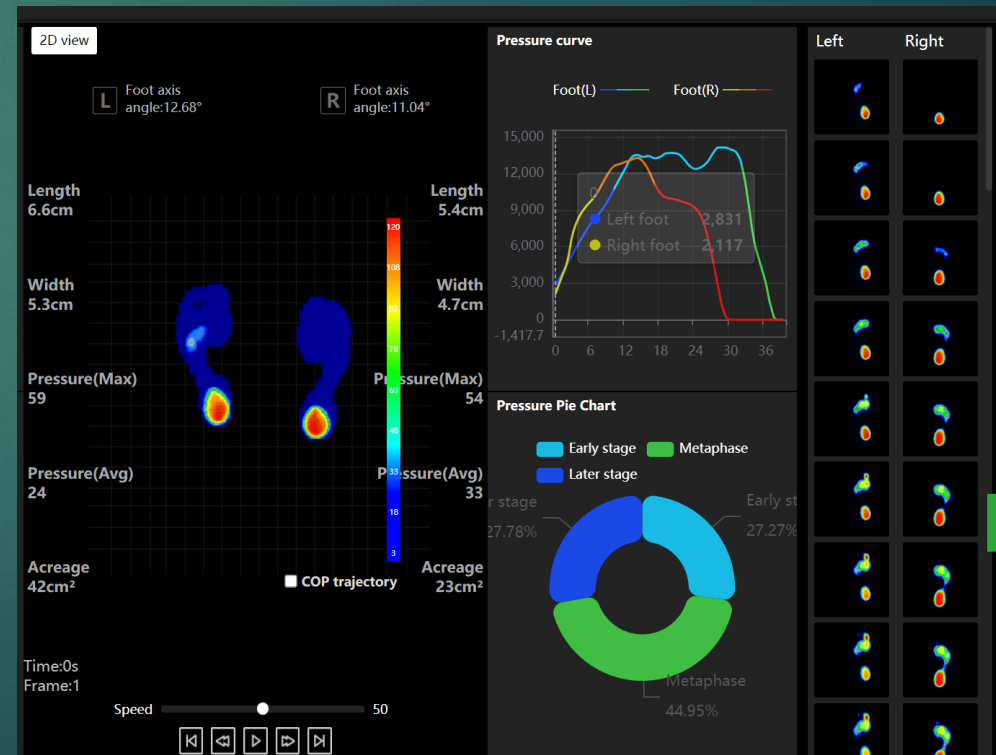
- Weight distribution
- Foot arch
- Stability
- Center of Gravity

The FMP footscanner also supports two dynamic tests

Static balance acquisition will measure the person's posture and weight distribution over the period of several seconds

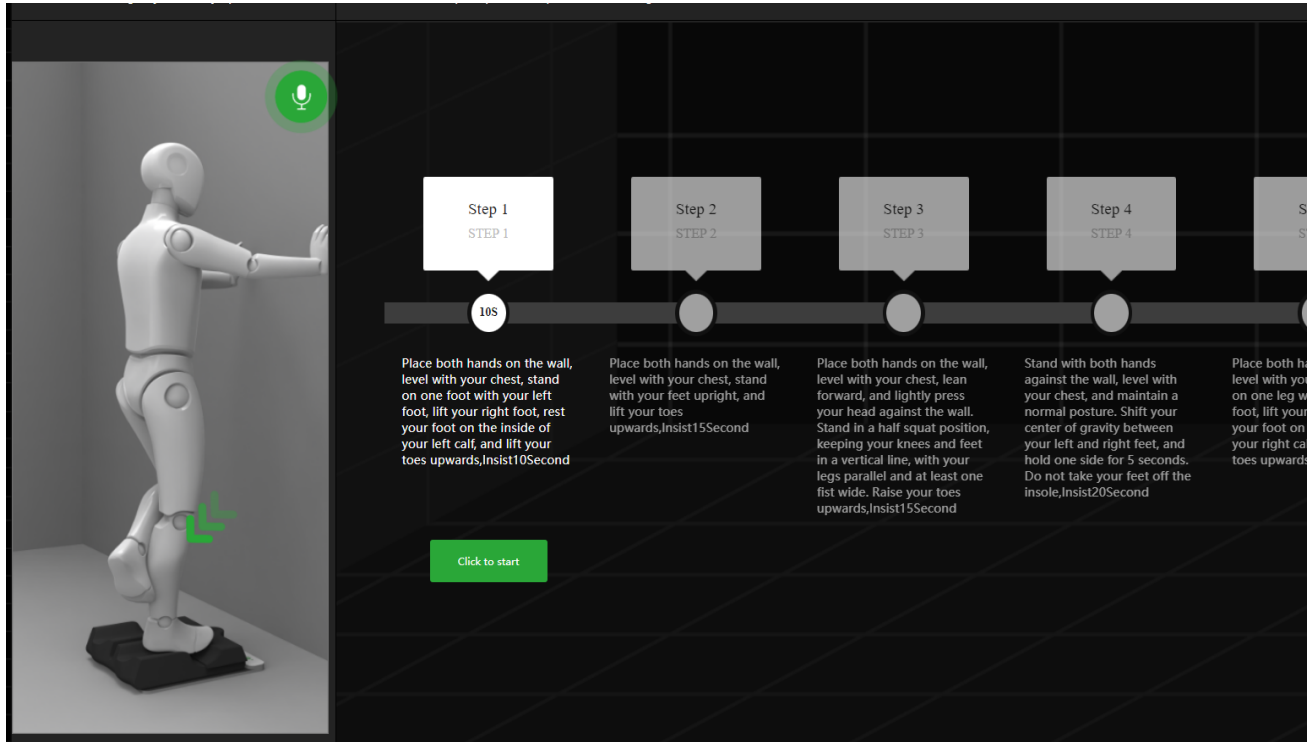


Gait Analysis can be used to measure weight distribution and balance while the person takes a step onto the pad



Insoles can then be chosen and heated using the heating box





The software will then guide the user through the steps of impressing the insoles.

Insoles can be cooled afterwards with cooling fan

Uses for the FMP foot scanner

- ▶ Can measure foot shape and arch to manage problems such as overpronation, plantar fasciitis, or shin splints
- ▶ Pressure distribution measurement can be used to identify high pressure points. This is useful for athletes or people prone to injury as uneven pressure distribution can increase injury risk or impair performance.
- ▶ Gait analysis can identify issues like overpronation or supination, which can lead to knee, hip, or back problems.