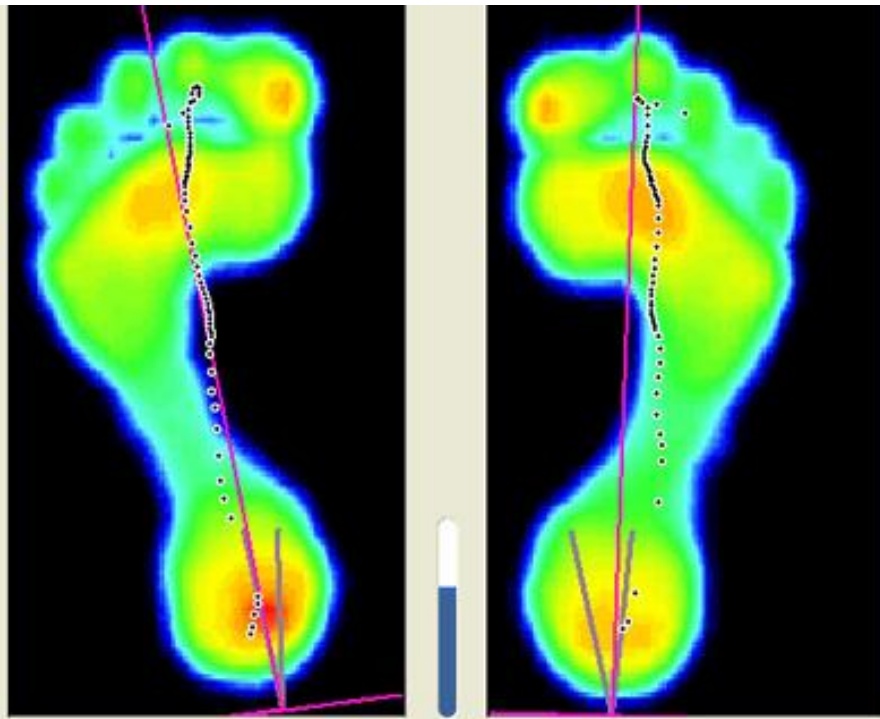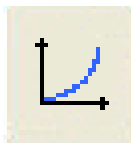# Footscan 7 USB2 gait User Guide

Equipment Preparation

1. Connect Footscan plate to laptop's USB port
2. Open Footscan 7 USB2 gait software

3. Calibrate button → Enter weight → OK → Walk across pressure plate when prompted by on-screen instructions → When calibration is finished, click OK
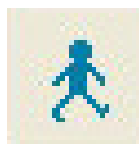
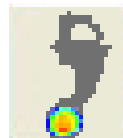4. Database (or press F2) → Add patient → Enter name and DOB

5. Select current patient → Select dynamic measurement → Enter weight and foot size

Data Collection

1. Click measure (or press F2) → Walk/run across centre of plate (avoiding slanted edges)

2. Classify as left or right foot, and as heel or forefoot runner (press F12 to toggle)

3. Ensure foot zones are correctly positioned
   i. Press F8 for zone division
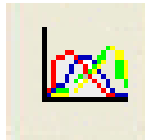   ii. Press F2 for manual zone selection

4. Check zone selection is correct (e.g. are M1-5 in suitable places?)→ Adjust if necessary.
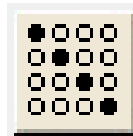5. Repeat for other foot if necessary.

Data Analysis

1. Pressure data
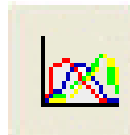   - From zone division screen, click 'pressures-forces screen' icon (or press F7)

   - Press F10 to ensure there is a 'P' icon for pressure.
   - Press F6 for parameter table to find specific pressure values, including max pressure for specific zones.

2. Force data
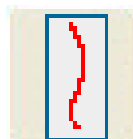   - From zone division screen, click pressure icon (or press F7)

   - Press F10 to ensure there is an 'F' icon for force
   - Press F6 for parameter table to find specific force values
3. COP data
   - From zone division screen, click gait screen button (or press F10)
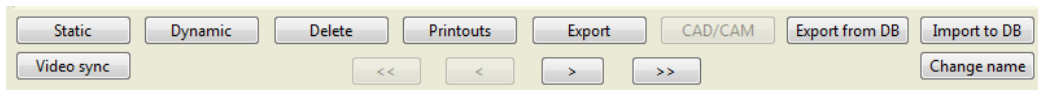

4. Arch index
   - From zone division screen, click foot type button (or press F3)

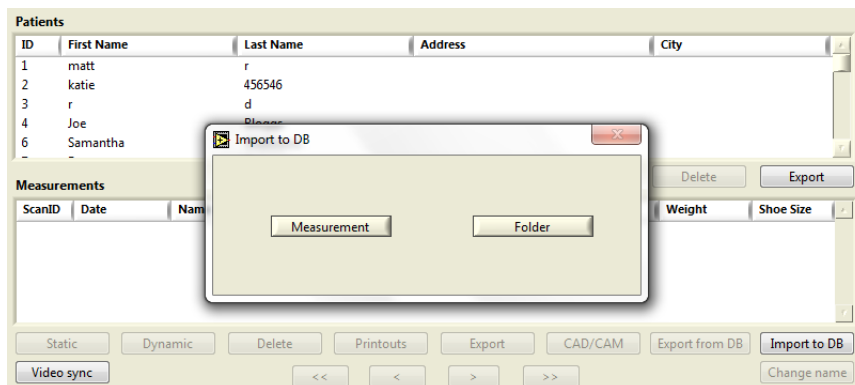   - Take values from 'Surface (%)' column.

Saving and exporting data

1. Return to 'dynamic' screen
2. Press F7 to save → Enter desired name of measurement→OK
3. Press 'Esc' (the door icon)
4. Select trial you wish to export
   - **When data is to be opened on lab PCs**: Export from DB→enter file name and desired save location → OK
   - **When data is to be opened on the force plate laptop**: Export→select desired data output (generally; pressure/force graphs, dynamic centre of force line, entire plate roll off)
   - KEY FOR BOTH: ensure that filename is unique and does NOT repeat previous filenames as otherwise this will overwrite and therefore lose the old data.

Static	Dynamic	Delete	Printouts	Export	CAD/CAM	Export from DB	Import to DB
Video sync		<<	<	>	>>		Change name

5. Copy file onto USB if required.

Accessing pre-collected data on lab PC

1. Open Footscan 7 USB2 gait software.
2. A message saying you are not connected to plate will appear→continue without.
3. Click database → Import to DB → If single file, select 'measurement'.

Patients

ID	First Name	Last Name	Address	City
1	matt	r		
2	katie	456546		
3	r	d		
4	Joe			
6	Samantha			

Measurements

Import to DB

Measurement   Folder

Delete	Export

| ScanID | Date | Nam... | | Weight | Shoe Size |

Static	Dynamic	Delete	Printouts	Export	CAD/CAM	Export from DB	Import to DB
Video sync		<<	<	>	>>		Change name

Troubleshooting and notes

1. If software crashes, simply use Ctrl-Alt-Delete.
2. You can put pressure plate on force plate to give force as a point contact value