# 4 Operations

To operate F-Scan GO, use the procedures described here.

## 4.1 Preparation prior to data capture

This describes how to prepare for taking recordings with F-Scan GO .

### 4.1.1 How to fit the sensors

Each sensor is trimmed to fit the subject's foot size. The sensors must be carefully trimmed without damaging the sensor connection points.

> **Notice**
>
> Shoe shapes and dimensions vary greatly. The white printed size guidelines are approximate and sensor trimming should be fine-tuned based on the fit within the shoe.

**To fit the sensors to size, do the following:**

1. If possible, remove the foam insole from the shoe and trace the entire outline on the sensor. If this is not possible, use the size guidelines to choose a size slightly larger than the shoe size.
2. Using scissors, trim along the lines traced from the insole or selected from the printed white size lines.

> **Notice**
>
> - Do not bisect the silver circles that connect each wiring trace to the rows and columns.
> - Make sure you trim between sensing elements so that the outermost sensing elements remain whole.
> - Check both sides to avoid cutting through silver wiring traces that lead to any rows or columns within the remaining foot area.
> - Trim between the green rows and columns and in the darker areas where possible.

**Tip**

Start at the heel and work your way towards the toe section.

Figure 54 - Trimming the sensors

3. Test the fit of the sensor inside the shoe to confirm that it lays flat.

**Notice**

If an orthotic is present, place the sensor on top of the orthotic, between the orthotic and the plantar surface of the foot.

**Notice**

It is important for the trimmed sensor to lie flat within the shoe. Make sure there is no curling of the sensor up the sides of the shoe. If the sensor is too large, trim off more material to get a better fit.

**Tip**

Attach small pieces of double-sided tape on the bottom side of the sensor to help keep the sensor in place and prevent wrinkling. Tape should be applied under the forefoot and heel regions of the sensor.