

Quick Start Guide

This quick start guide is designed to assist you in successfully implementing FitMeter into your digital workflow. It provides step-by-step instructions on how to process and format your scan data for use in FitMeter, running an instant analysis, and interpreting your final report

Required Equipment

Dental Implant Position Measurement Device

- Ex. ICam, PIC, MicronMapper, etc.

Dental Design software

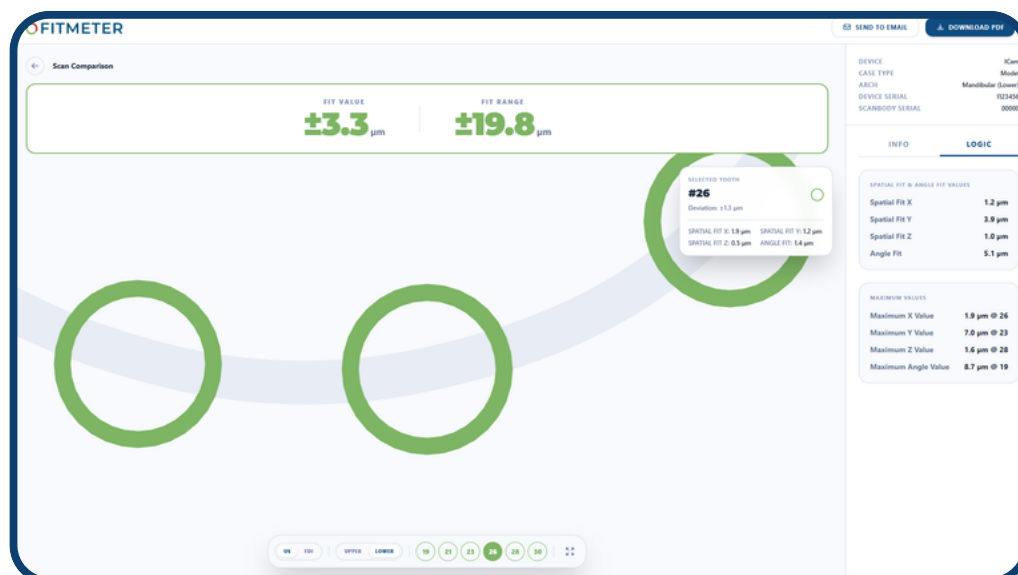
- 3Shape or exocad
- If using ICam, IScan3D Dental can be used in place of a dental design software.

Dental Implant Scan Data (x2)

- **If using ICam:** TransformedPoints.txt (x2)
- **If using other systems:** ImplantPositionDirection_0.xml (3Shape) (x2) or .constructioninfo (exocad) (x2)

Note: Data Set 1 and Data Set 2 will be referred to as DS1 and DS2.

Note: The implant position numbers in the output files must be the same for DS1 and DS2.

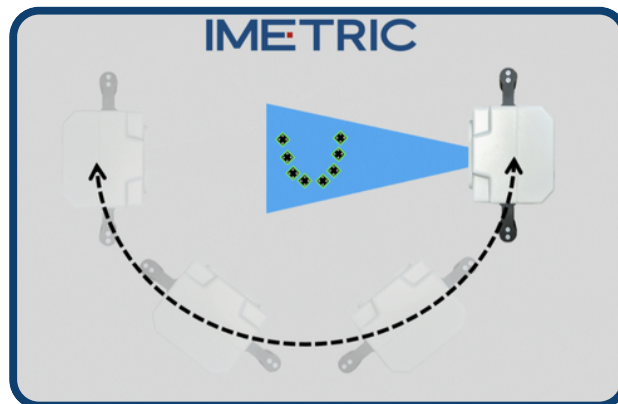


Step 1: Capturing the Double Measurement

- A) On a model, place 4-8 scan bodies to be used for measurement



- B) Using your measurement device, complete two back-to-back measurements. **DO NOT** remove or replace the scan bodies during or between measurements.



- C) If using the ICam workflow, proceed to **Step 3: FitMeter Analysis**. If using another measurement device, proceed to **Step 2: Obtaining Data from Other Systems**.

Step 2: Obtaining Data from Other Systems

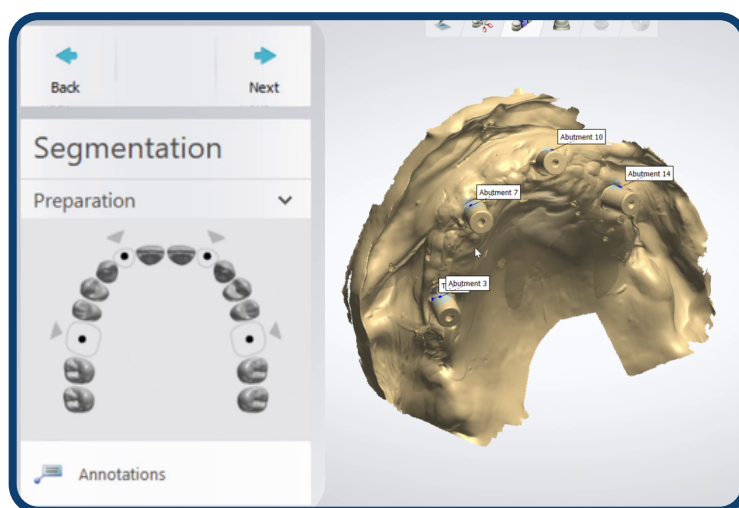
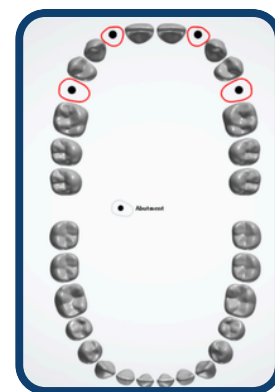
FitMeter uses coordinate values to perform a precision analysis of the provided dataset. Since many systems do not provide accessible coordinate data to their users, we must use design software such as exocad or 3Shape to extract the coordinates.

Please note: if your practice works with external labs to design restorations, you may need to contact them for this data if you do not have access to design software.

The easiest method of data collection for each process is outlined below:

3Shape Protocol

- A) Set up case according to scan body locations at time of scan.
- B) Proceed and place annotations over each implant position and set insertion direction if needed.



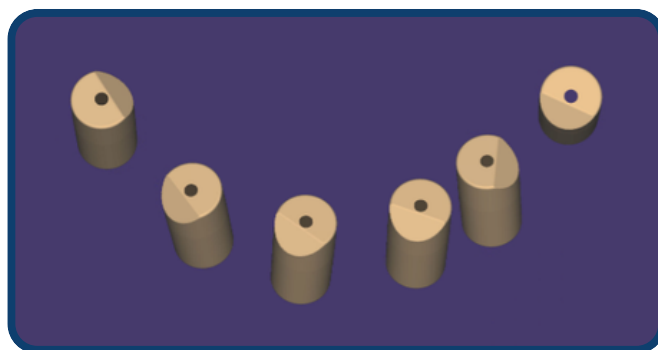
- C) Once satisfied, proceed and adjust the generated bar if needed.
Note: The bar will not impact the coordinate point data.
- D) Save and export the file.

Exocad Protocol

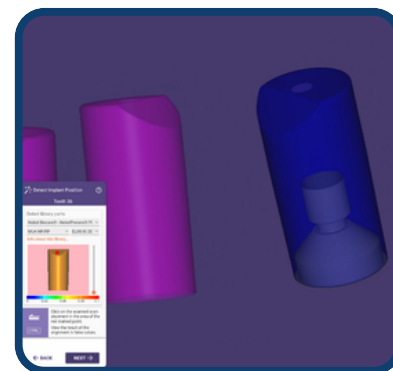
- A) Set up case according to scan body locations at time of scan.



- B) Import .STL data from DS1 into exocad.



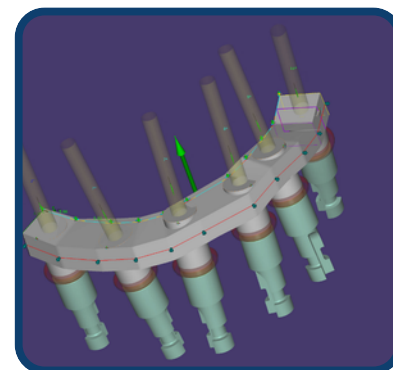
- C) Using the Detect Implant Analog Position Wizard tool, and the Define Emergence Profile tool, assign a scan body to each implant position.



- D) Once satisfied, click 'Next' through the wizard until you reach Bar Design. Create a bar and adjust if needed.

Note: the bar will not impact the coordinate point data.

- E) Save and export the file.



Step 3: FitMeter Analysis

- A) Navigate to app.FitMeter.org
- B) Select device used during measurements from drop-down menu, and fill out all required fields. Select DS1 and DS2 for upload:
- If using ICam, navigate to "C:\Imetric4D Data", and upload the TransformedPoints.txt files for DS1 and DS2. The path to the files will look similar to this: "**C:\Imetric4D Data\DS1\Imetric**"
 - If using 3Shape or exocad workflow, navigate to the output folder and upload the files for DS1 and DS2.

The screenshot shows the FitMeter web application interface. At the top is the FitMeter logo. Below it is a form with the following fields:

- MEASUREMENT DEVICE**: A dropdown menu with "ICam (.txt)" selected.
- CASE TYPE**: A dropdown menu with "Model" selected.
- ARCH**: A dropdown menu with "Mandibular (Lower)" selected.
- DEVICE SERIAL**: A text input field containing "1123456".
- SCANBODY SERIAL**: A text input field containing "00000".
- DATA SET 1**: A dashed box containing a green upload icon, a checkmark, the text "Loaded", and a file named "TransformedPoints.txt" (1.0 KB) with a close icon.
- DATA SET 2**: A dashed box containing a green upload icon, a checkmark, the text "Loaded", and a file named "TransformedPoints.txt" (1.0 KB) with a close icon.
- Below the data sets are links for "Details", "Data Set 1", and "Data Set 2".
- A large blue button labeled "COMPUTE FIT VALUE" is at the bottom of the form.
- At the very bottom, it says "Powered by IMETRIC © 2026".

Note: if you have modified the export path in any of the above software, your file retrieval path may look different.

- C) Click "Compute Fit Value" to start analysis.

Step 3: FitMeter Analysis

- D) FitMeter will generate a visualization of the arch comparison, a Fit Value, a Fit Range, as well as individual implant site Fit Values.



- E) Explore individual implant sites by clicking on their corresponding position, or learn about the methods and values used in the Info and Logic tabs



Step 3: FitMeter Analysis

- F) To download a summary of the analysis, click “Download PDF” in the top right. Alternatively, have the report sent to your email by clicking “Send to email”.



Disclaimer: Visuals and terminology are still subject to change during active development.