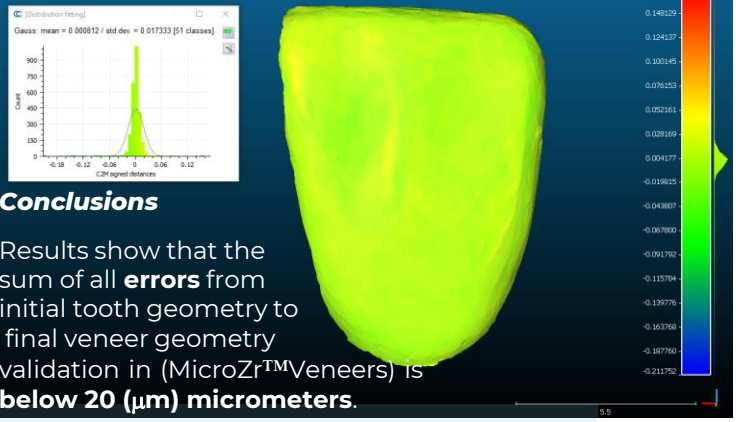
### *Materials and Methods*

Tooth geometry was acquired by means of intra-oral scanning. Proper protocol for data acquisition was followed. Different measurements were performed and data acquisition repeatability was assessed. Then, based on obtained CAD geometry, MicroZr™Veneers were designed and manufactured. Finally MicroZr™Veneers were scanned again and final dimensions were compared to initial ones. Deviations/errors between final veneer dimensions and initial tooth geometry were quantified.

### *Results*




### *Conclusions*

Results show that the sum of all **errors** from initial tooth geometry to final veneer geometry validation in (MicroZr™Veneers) is **below 20 (μm) micrometers**.


Extreme Materials - Dental Solutions
Campus de Azurém – Departamento de Engenharia Mecânica
4800 - 058 Guimarães - PORTUGAL

Dr. Filipe Samuel Silva
Tel.: + 351 253 510732,
Tlm.: +351 917560788
Fsamuel@microzrveneers.com

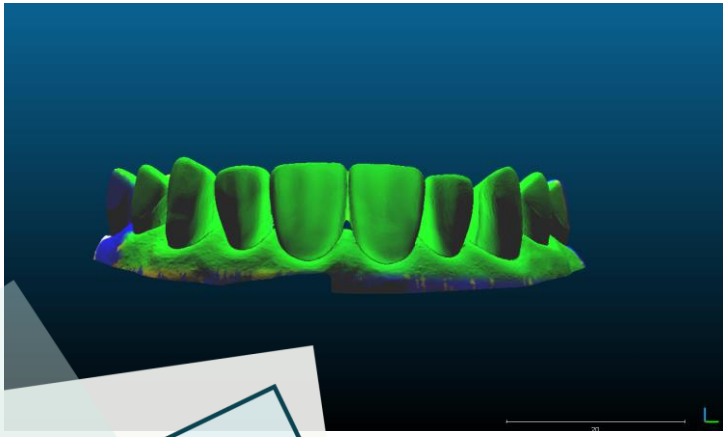

# MicroZr™ Veneers



## *Manufacturing Accuracy*


**Abstract**

Micrometric zirconia veneers are the thinnest dental veneers in the market and the first to have dimensions at the micrometric (μm) level, e.g. less than 100 μm. MicroZr™Veneers are based on a patented process with very accurate manufacturing procedures. The process is based on tooth geometry acquisition, CAD treatment and veneer design, manufacturing, and veneer geometrical verification and validation. The whole process, from initial drawing to final validation provides veneers with an excellent accuracy, with errors below 20 micrometers.

www.MicroZrVeneers.com

See more on www.MicroZrVeneers.com, technical Info