



temporary
orthodontic
micro
anchorage
system

20
years
tomas®-pin

Scanbody for tomas®

Scanbody for tomas®



Description

The scanbody is an aid used in treatment based on the pin first concept. Its purpose is to accurately reproduce the position and orientation of the placed tomas®-pin during recording with an intra-oral scanner. With the aid of an appropriate planning software, a correctly aligned appliance can then be designed and fabricated.

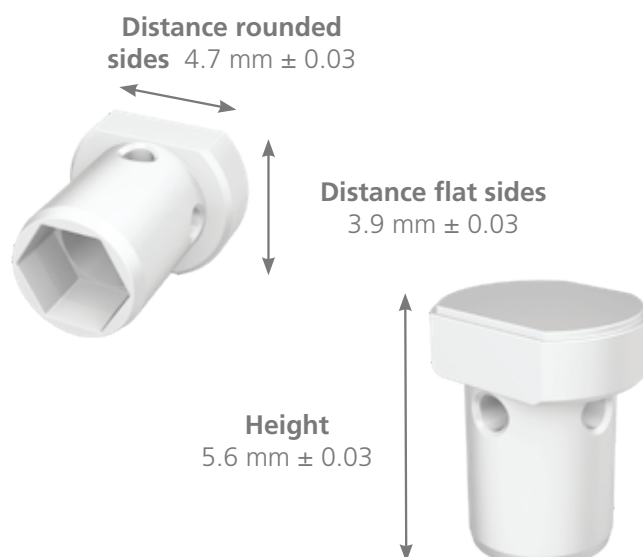
Please refer to the following Instructions for Use.

Procedure

- Calibrate the printer and material according to the respective manufacturers' specifications.
- Print, cure, and clean the scanbody according to the manufacturers' instructions (printer and resin).
- Measure the scanbody: The dimensions of the printed scanbodies must be checked before use. Care must be taken to ensure that any production-related burrs are removed prior to measuring. In the case of any deviations, the corresponding printing parameters must be corrected for offset and shrinkage. Printing will then be required again.

Requirements / Equipment

- 3D printers: We recommend using an acrylic printer available from dental equipment suppliers (e.g., Asiga MAX UV, or equivalent or higher-quality models).
- Resin: The manufacturer of the scanbody selects the suitable resin. As the scanbody remains in the patient's mouth for a short period of time, a biocompatible material should be used. Additionally required quality characteristics: Non-reflective matte surface, high level of detail and dimensional accuracy, opaque, high fracture strength, high modulus of bending.
- Vernier caliper (recommended measurement accuracy: ± 0.01 mm)
- STL data set for the scanbody
- Appropriate planning software



Scanbody for tomas®



General information on using the scanbody:

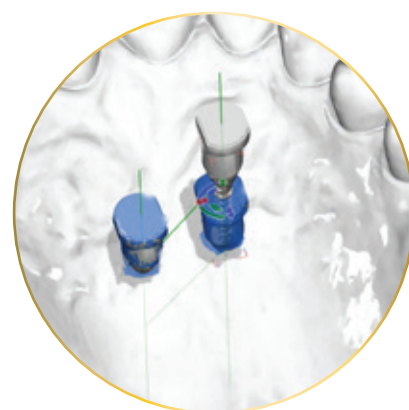
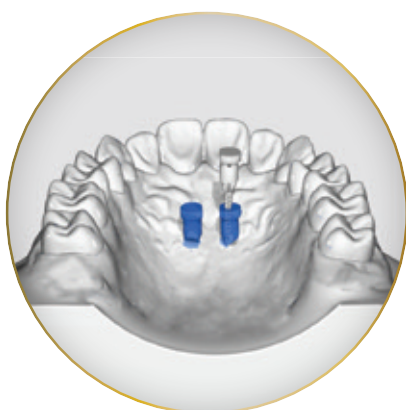
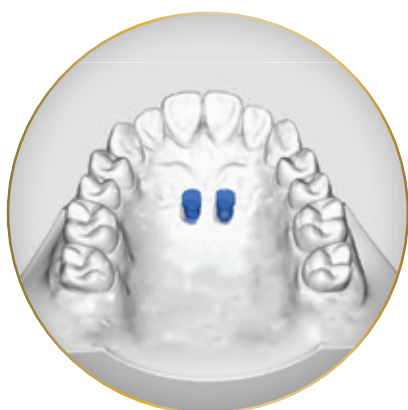
- First of all, a reference scan without a scanbody is required.
- Secure the scanbody using dental floss and threading through the drill holes in the scanbody.
- Place the scanbodies on the tomas®-pin such that the hex on the scanbody grips the hex on the tomas®-pin. Fig. 1
- When placing two tomas®-pin units side by side, the long, flattened sides of the scanbody should face each other. Fig. 2



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- When used in combination with the tomas®-pin SD, please observe the following to ensure correct alignment of the slot: The holes in the scanbody must be aligned with the slot markings on the mini implant. The scanbody must fit snugly onto the hex of the mini implant.
- Once the scan of the tomas®-pin scan has been successfully completed with the fitted scanbody, the scan can be imported into the planning software to digitally plan the appliance.



Important legal note

The scanbody created on the basis of this Information for Use is a medical device. Dentaaurum merely provides technical information regarding possible implementation. The manufacture, checking, approval, and use of the scanbody take place outside of DENTAURUM's sphere of responsibility and influence; therefore, DENTAURUM does not assume the role of manufacturer for such a scanbody within the meaning of Article 10 of the MDR Regulation 2017/45.



ORTHODONTICS



IMPLANTOLOGY



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