



maxgraft[®] bonebuilder

How to measure in a 3D PDF file
(using Adobe Acrobat Reader DC)



Index

- 1) [How to download the 3D PDF File](#)
- 2) [Required program: Adobe Acrobat Reader DC](#)
- 3) [Adobe settings](#)
- 4) [3D PDF Tools](#)
- 5) [How to measure](#)
- 6) [Snipping Tool](#)
- 7) [Contact details for Technical Support](#)

Download the 3D PDF file

- Log In to your account on
www.botiss-bonebuilder.com

- Click on **My Orders** and select your specific order page

- Right-click on the available 3D PDF file

→ **Save Target as** (for Mozilla Firefox & Microsoft Edge Browser)

For other browser:

→ Save Link as (in Google Chrome)

→ Download linked file (in Mac Safari)

- Choose the location on your computer where you would like to save the file

- Select **Save**

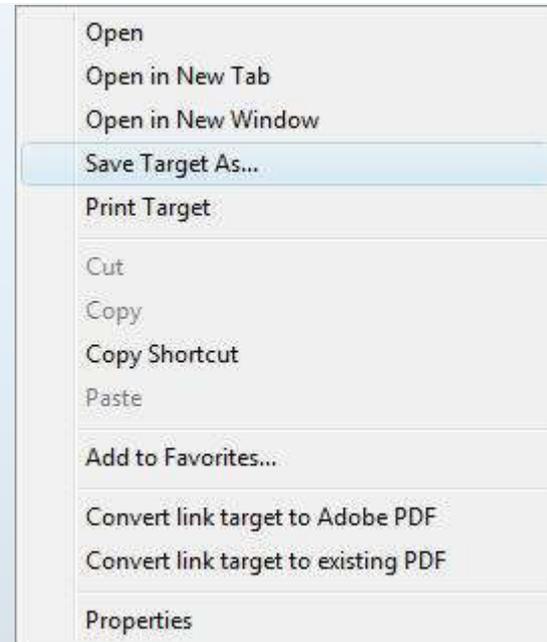
Order 2507

Doctor:

Status: 3d model available

CBCT data:  [20170925_144854.jpg](#)

3d model:  [DEMO_bonebuilder_3D-PDF.pdf](#)



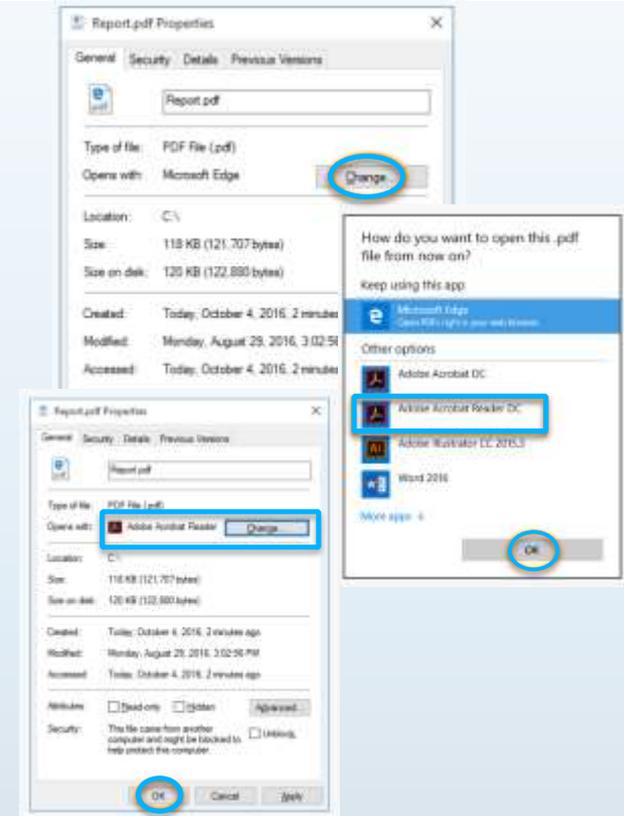
Open the 3D PDF file

You need the latest version of Adobe Acrobat Reader DC

You can download it for free on
<https://get.adobe.com/uk/reader/>

Make sure the default owner of PDF files is Adobe Acrobat Reader DC

- Right-click the thumbnail of the PDF file, and then click **Properties**.
- In the file's Properties dialog box, click **Change**.
- Choose Adobe Acrobat Reader DC, and then click **OK**.
- In the Properties dialog box, click **OK**.



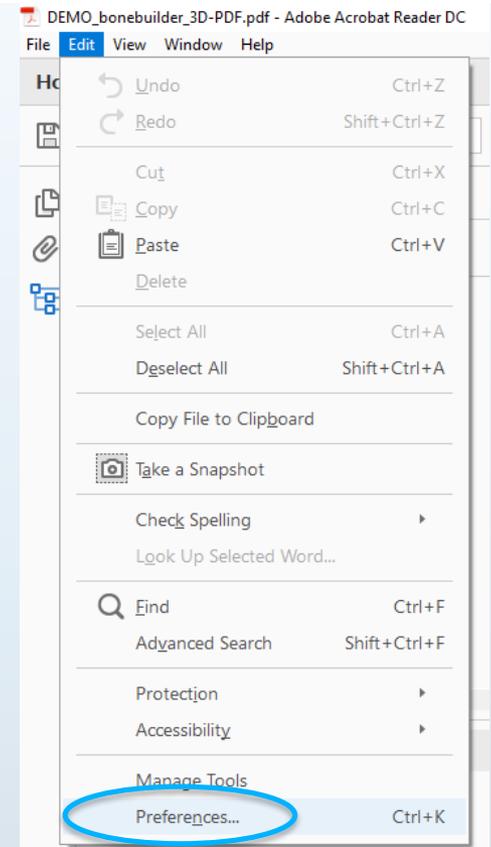
Settings in Adobe Acrobat Reader DC

If you encounter problems while opening a 3D PDF file for the first time, please check if 3D content is enabled.

Click on the button 'Edit' and select **Preferences**

For Mac users:

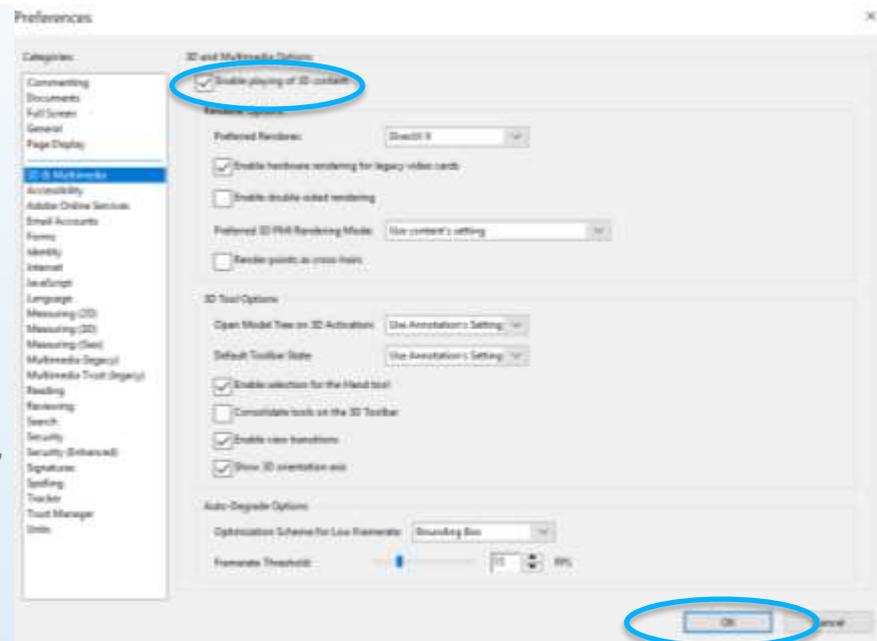
Click on the button 'Adobe Acrobat Reader' and select **Preferences**



Settings in Adobe Acrobat Reader DC

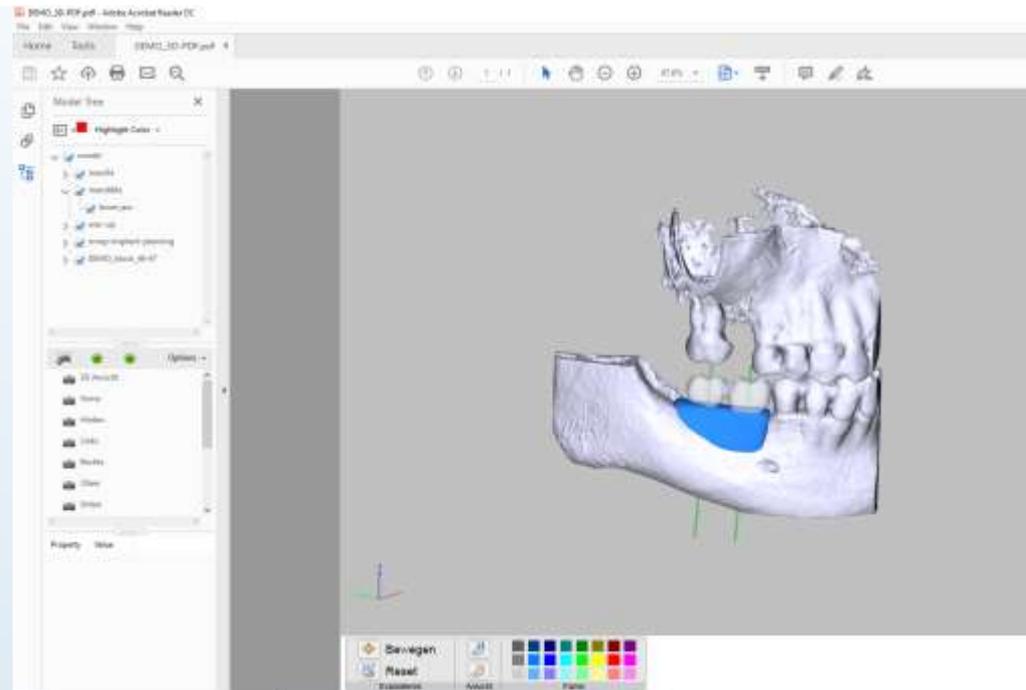
- Select the category **3D & Multimedia**
- Make sure that the checkbox 'Enable playing of 3D content' is active
- Click on **OK**

You only need to enable this preference once, the program will remember it the next time you open a 3D PDF file

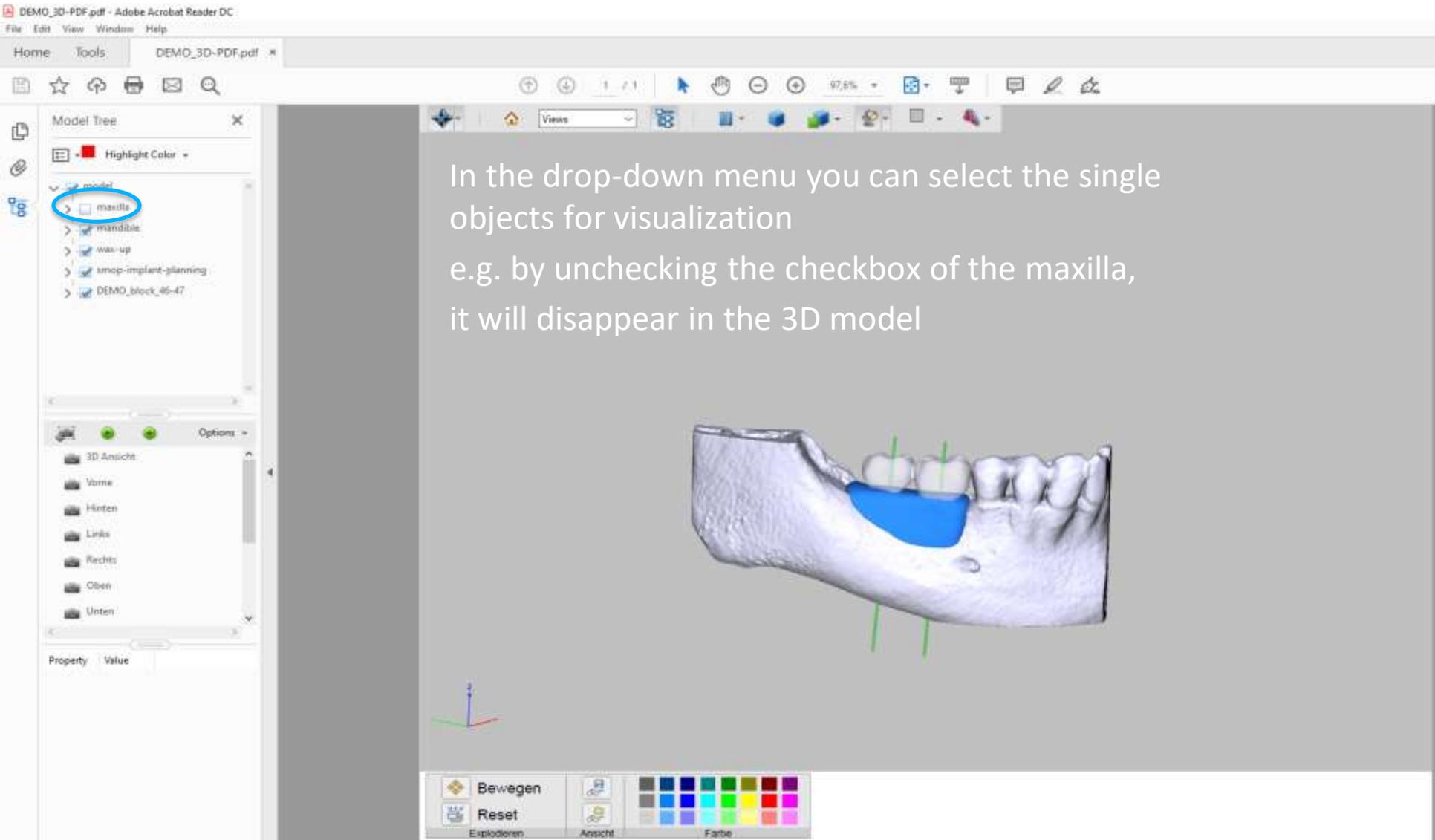


Settings in Adobe Acrobat Reader DC

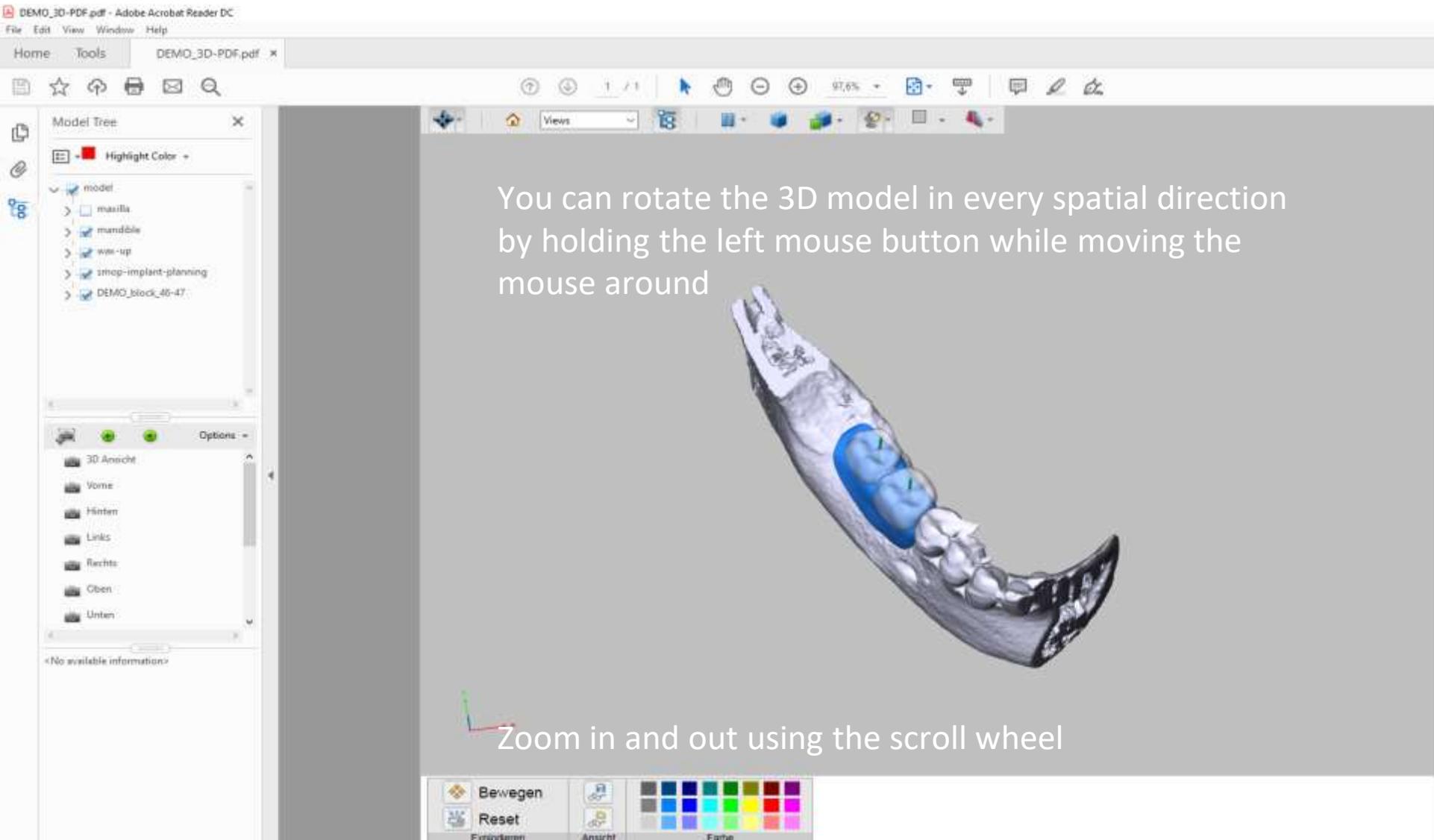
Close and reopen the 3D PDF file – now you should be able to see the 3D content



3D PDF tools – Model Tree



3D PDF tools – Model view

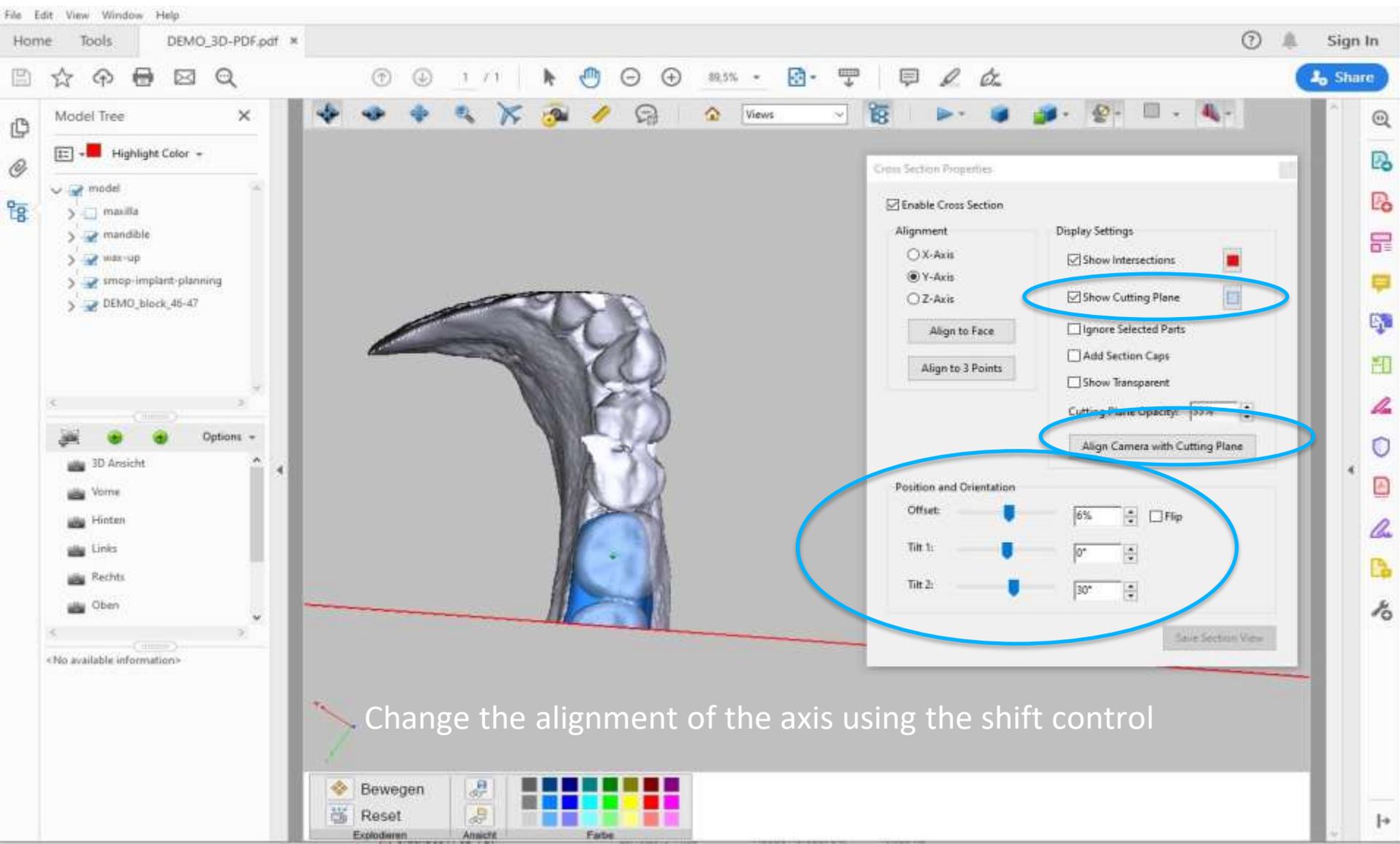


3D PDF tools – Model view

The screenshot displays a 3D PDF viewer interface. On the left, a 'Model Tree' shows a hierarchy of parts: 'model', 'maxilla', 'mandible', 'wax-up', 'smop-implant-planning', and 'DEMG_block_46-47'. Below the tree are 'Options' for '3D Ansicht', 'Vorne', 'Hinten', 'Links', 'Rechts', and 'Oben'. The main view shows a 3D model of a dental arch with a cross-section cut through it. A red line is drawn across the model. On the right, the 'Cross Section Properties' panel is open, showing settings for 'Enable Cross Section', 'Alignment' (X, Y, Z-Axis), 'Display Settings' (Show Intersections, Show Cutting Plane, Ignore Selected Parts, Add Section Caps, Show Transparent, Cutting Plane Opacity: 35%), and 'Position and Orientation' (Offset, Tilt 1, Tilt 2). A red circle highlights a button in the top right toolbar. At the bottom, there are controls for 'Bewegen', 'Reset', 'Explodieren', 'Ansicht', and 'Farbe'.

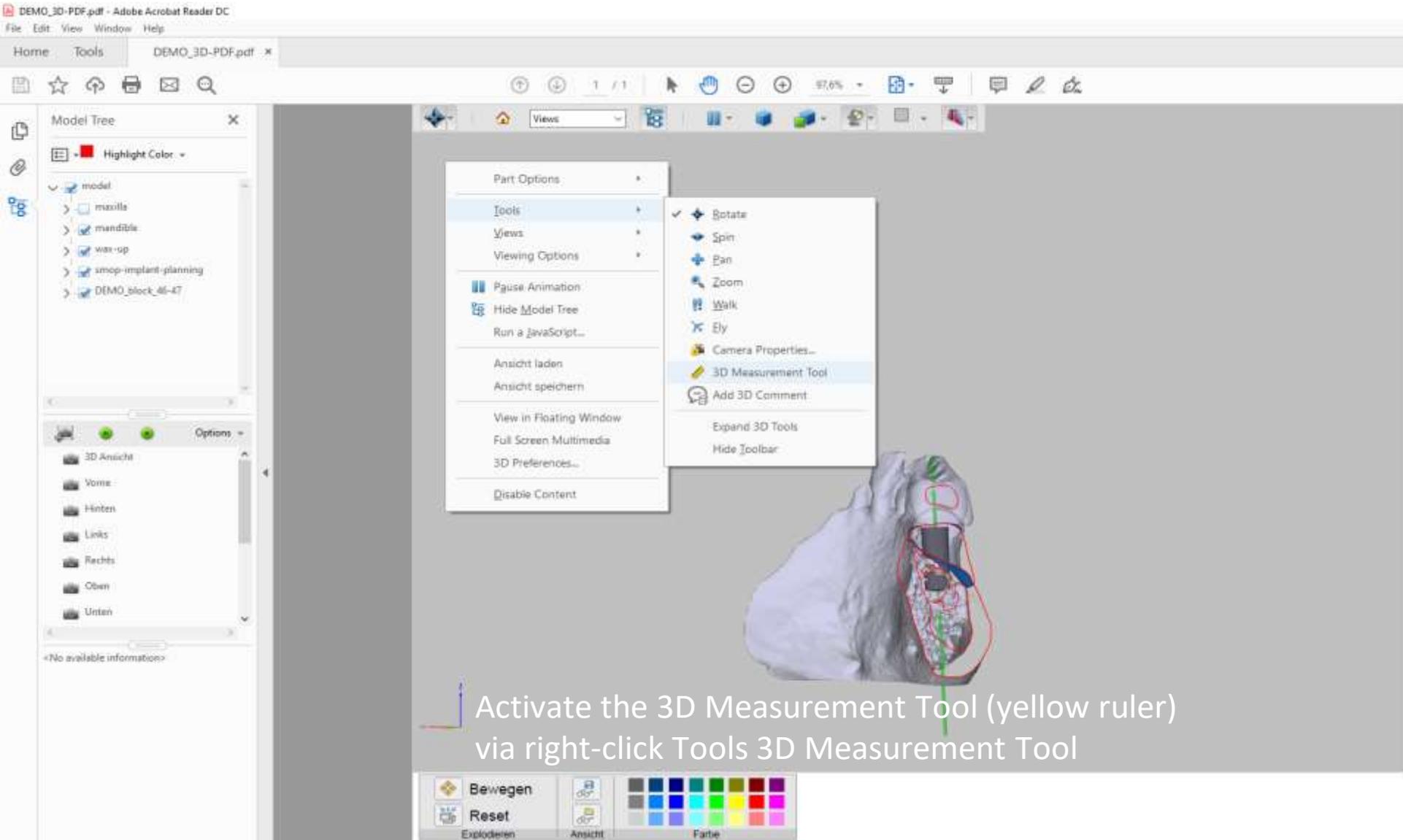
Activate the view of the cross sections on the upper right tool bar

3D PDF tools – Model view



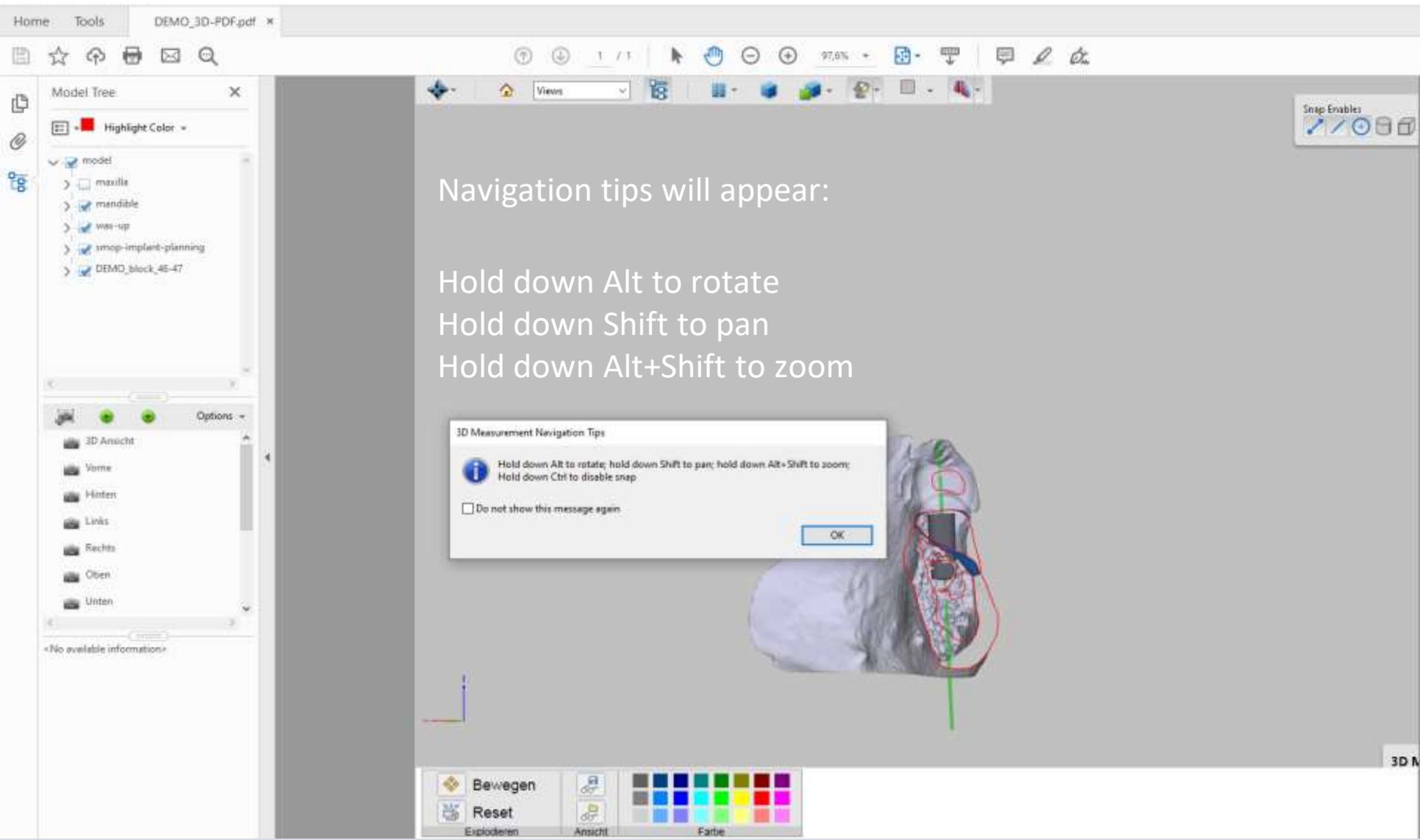
Change the alignment of the axis using the shift control

3D PDF tools – How to measure



Activate the 3D Measurement Tool (yellow ruler) via right-click Tools 3D Measurement Tool

3D PDF tools – How to measure



Navigation tips will appear:

Hold down Alt to rotate

Hold down Shift to pan

Hold down Alt+Shift to zoom

3D Measurement Navigation Tips

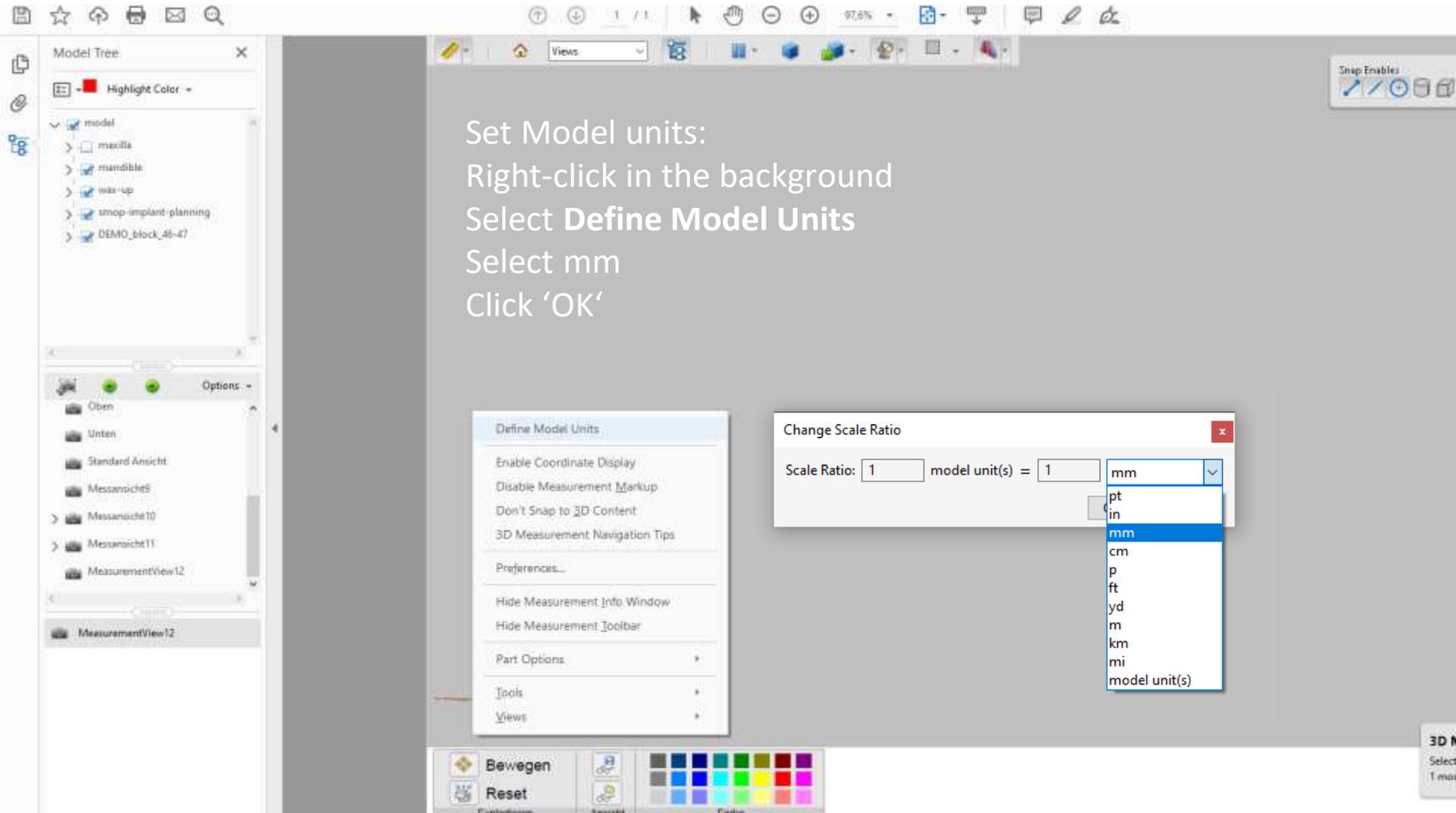


Hold down Alt to rotate; hold down Shift to pan; hold down Alt+Shift to zoom;
Hold down Ctl to disable snap

Do not show this message again

OK

3D PDF tools – How to measure



Set Model units:
Right-click in the background
Select **Define Model Units**
Select mm
Click 'OK'

Define Model Units

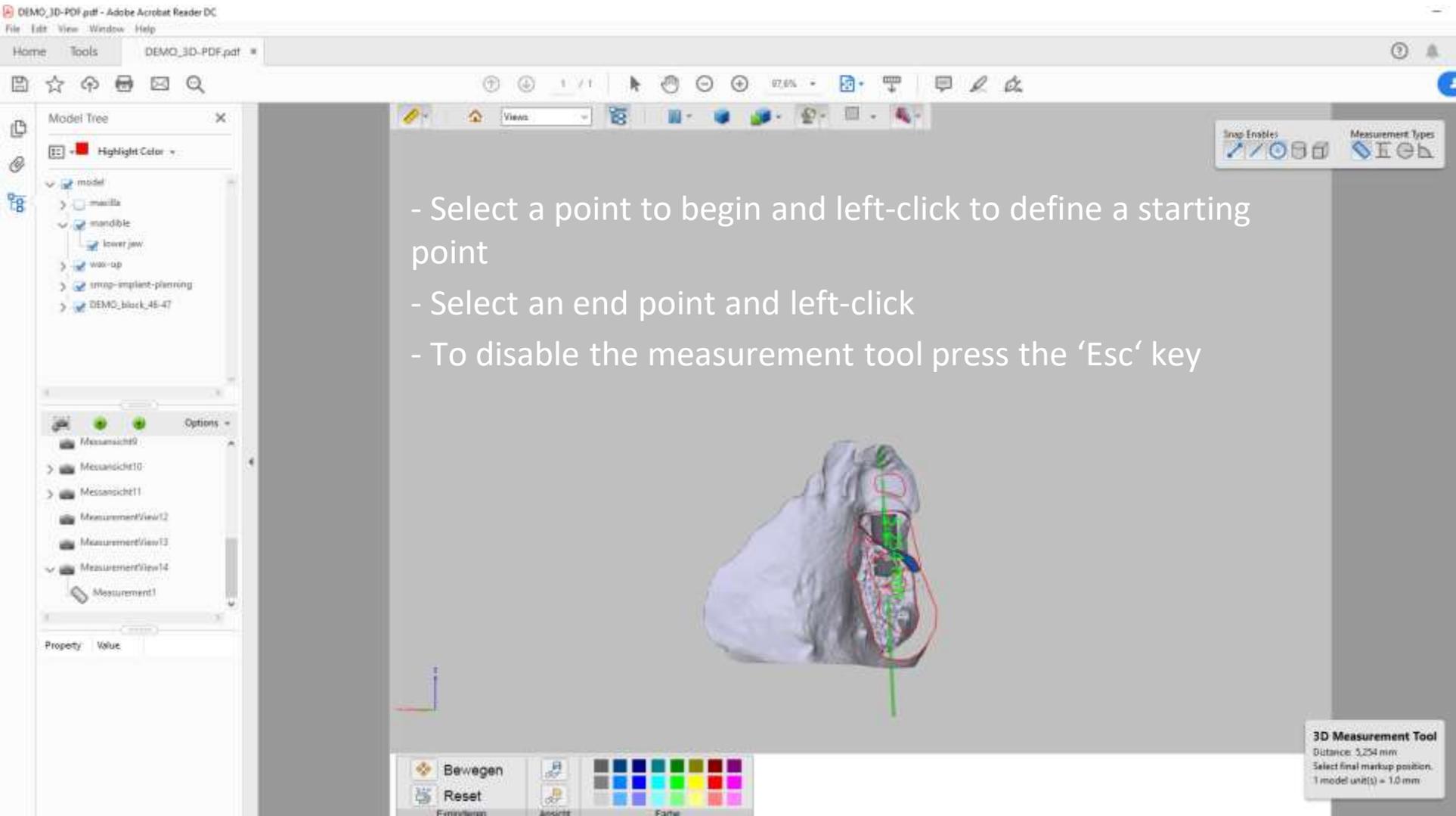
- Enable Coordinate Display
- Disable Measurement Markup
- Don't Snap to 3D Content
- 3D Measurement Navigation Tips
- Preferences...
- Hide Measurement Info Window
- Hide Measurement Toolbar
- Part Options >
- Tools >
- Views >

Change Scale Ratio

Scale Ratio: model unit(s) =

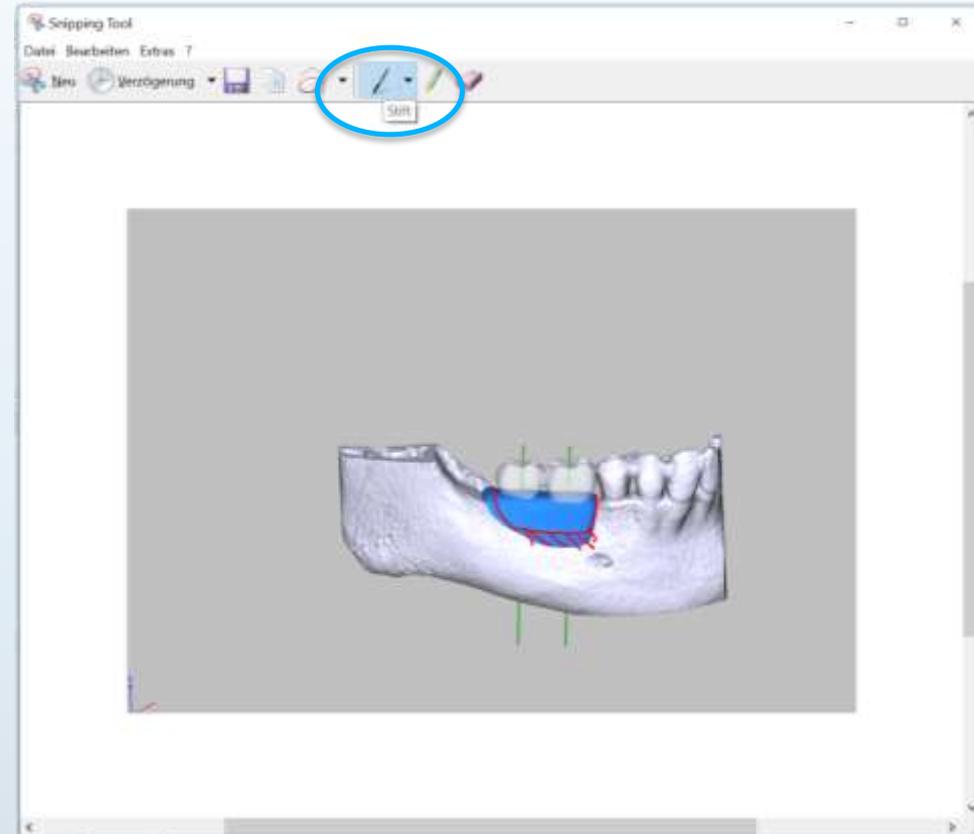
- pt
- in
- mm
- cm
- p
- ft
- yd
- m
- km
- mi
- model unit(s)

3D PDF tools – How to measure



Annotate your changes using the Snipping Tool

- Use the 'Snipping Tool' to make a screenshot of the model
- Use the pen to highlight your changes
- Save the file and send your screenshot via email to: bonebuilder@botiss.com
- Alternative for Mac users: SnapNDrag Tool



Technical Support

maxgraft® bonebuilder

VIA EMAIL: bonebuilder@botiss.com

VIA PHONE:

Mr. Goran Nikoloski: 0049 30 20 60 73 98 35

Ms. Kristina Domann: 0049 30 20 60 73 98 26

Ms. Gina Grosser: 0049 30 20 60 73 98 68

More information and instructions on our website www.botiss-bonebuilder.com.

