Um in Exocad Stumpfmodelle zu erstellen und später mit AxioPrisa ausrichten und mit AxioSnapMount drucken zu können, sind einige Schritte erforderlich. Wir zeigen hier ein Beispielweg auf. Alternative Wege führen jedoch auch zum Erfolg.

To create die models in Exocad and later align them with AxioPrisa and print them with AxioSnapMount, a few steps are required. We will show you an example here. However, alternative paths also lead to success.

1. Fall in Exocad anlegen / Create your work in Exocad

| Projekt 🗈 🛯 🖕 Laden 🕞 Speichern 🗈 Duplizieren  | Indikation und Materialien 💿 👓 Computer 🔹                   | Aktion 🔺 🌣 🍳 💿   |
|--|---|--|
| Wählen Sie eine Aktion in der Werkzeugleiste rechts.   | Patient 🔿 Multidie  | Scan with Medit for Labs   |
| 23.01.2024 08:54       Image: Failing       Image: Depresent the second | 12 11 21 22 28 24 15 16 16 16 16 16 16 16 16 16 16 16 16 16 | CAD<br>Model Creator<br>CAM<br>Cam<br>Zebris WINJAW<br>Contaishare |
| Anmerkungen hier eingeben<br>La. Daten und Status<br>2024-01-23, 9999-001-provew   | Aufbissschiene  | Kopieren<br>Drucken<br>EXOCCAD                                     |
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2. Die Scans einladen / Import your files

Erst den Oberkiefer, danach den Unterkiefer / First the upper jaw, then the lower jaw

| Corgan        | eer jak: Load Jaw scan  →  | ScanBib > Zahmodel Viade > TEST > Name     abc     EXO Models     Viade models by Trios XXP-Position.stl     Viade models by Trios Lower/awScanstl     Viade models by Trios Lower/awScanstl         | Date modified<br>05.11.2023 10:45<br>05.12.023 08:39<br>01.09.2023 15:18<br>06.01 2011 14:23  | Type<br>File folder<br>File folder     | Size                                |   |        | La<br>*<br>Wiz |
|---------------|--|--|---|--|-------------------------------------|---|--------|----------------|
| organ         | → → ↑ ↑ his PC > Desktop<br>nize * New folder<br>Quick access<br>1 Desktop *<br>Downloads *<br>Documents *<br>IPictures *<br>Nhac hiệu<br>SAM Videos | ScanBib >> Zahmodel Viade >> TEST >>     Name     abc     EXO Models     Viade models by Trios AXP-Position.stl     Viade models by Trios Lower-JavScanstl     Viade models by Trios LoperJavScanstl | Date modified<br>05.11.2023 10:45<br>05.11.2023 08:39<br>01.09.2023 15:18<br>05.01 2011 14:23 | Type<br>File folder<br>File folder     |                                     | st _ ₽<br>I≣ • ■ ?                        |        | *<br>//<br>W5  |
| ی<br>م<br>د و | Source File<br>TEST<br>DentalCADApp<br>OneDrive - Personal<br>Fils PC<br>13D Objects<br>Desktop  |  | 05.012021 1423  | STL 30 model file<br>STL 30 model file | 14.660 KB<br>15.932 KB<br>14.262 KB |   |        | To             |
| ;             | Documents<br>Downloads<br>Music Viade model  | s by Trios UpperlawScan.stl  |   |  | All Suppo     Ope                   | rted Triangulated (*st ~<br>Cancel<br>.at | exocad | Add cu         |

| Eower Jaw. Load Antagonist                              |   |                        |                   |             | ×                                   |  |
|---|---|------------------------|-------------------|-------------|-------------------------------------|--|
| $\leftarrow \rightarrow \checkmark \uparrow$ 📙 « Window | ws-SSD (C:) $\rightarrow$ Users $\rightarrow$ Lenov $\rightarrow$ OneDrive $\rightarrow$ Desktop $\rightarrow$ Se | canBib > Zahmodel Viac | le → TEST →       | ✓ ບໍ Search | <b>م</b> TEST                       |  |
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| 🍃 This PC   | ^ Name ^  | Date modified          | Туре              | Size        |                                     |  |
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| 📃 Desktop   | EXO Models  | 05.11.2023 08:39       | File folder       |             |                                     |  |
| Documents   | Viade models by Trios AXP-Position.stl  | 01.09.2023 15:18       | STL 3D model file | 14.660 KB   |                                     |  |
| Downloads   | Viade models by Trios LowerJawScan.stl  | 05.01.2021 14:23       | STL 3D model file | 15.932 KB   |                                     |  |
| Music   | Viade models by Trios UpperJawScan.stl  | 05.01.2021 14:23       | STL 3D model file | 14.262 KB   |                                     |  |
| Pictures  |   |                        |                   |             |                                     |  |
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| San Windows-SSD (C:)                                    |   |                        |                   |             |                                     |  |
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|   |   |                        |                   | 0           | pen Cancel                          |  |
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|   |   |                        |                   |             |                                     |  |
|   |   |                        |                   |             |                                     |  |

3. Die Bauhöhe kann reduziert werden oder es kann das "Lasso"-Tool genutzt werden, um störenden Artefakte zu entfernen / The height can be reduced or the "Lasso" tool can be used to remove disturbing artefacts







4. Wähle die zu entnehmende Stümpfe / select the dies to be removed





5. Exocad generiert automatisch einen Schnittkante / Exocad automatically generates a cutting edge



6. Lege die Parameter für das Model fest / set the parameters for the model





7. WICHTIG!!! In den Settings muss das Model gefüllt werden (ausgehöhlt wir das Model in AxioSnapMount) IMPORTANT!!! The model must be filled in the settings (the model is hollowed out in AxioSnapMount)





8. Die Parameter werden auf das Stumpfmodel übertragen / The parameters are transferred to the die model



9. Ebenfalls wir hier das Model gefüllt (ausgehöhlt wir das Model in AxioSnapMount) / The model is also filled here (the model is hollowed out in AxioSnapMount)







10. Das Model wird erstellt / The model is created





11. Das Model muss unbedingt manuell gespeichert werden (!) / the model must be saved manually (!)

Hierfür wird auf das entsprechende Teil mit der rechten Maustaste geklickt und im Men+ "Save to files" ausgewählt. / To do this, right-click on the relevant part and select "Save to files" in the menu.



Im nächsten Dialogfenster wählt man dann "Relative to original scan data" aus und speichert die Daten auf der Festplatte / In the next dialogue window, select "Relative to original scan data" and save the data to the hard drive.

| ∧ Show/Hide       |             |     |   |   |                                   | ≗ = ₽ ×               |
|-------------------|-------------|-----|---|---|-----------------------------------|-----------------------|
| So Antagonists    |             |     |   |   |                                   | R                     |
| © All other parts |             |     |   |   |                                   | Save                  |
| > 💿 Model         |             |     |   |   |                                   |                       |
| ^ Teeth           |             |     |   |   |                                   | j 🗢<br>Evaert         |
| > ③ Upper arch    |             |     |   |   |                                   | Expert                |
|                   |             |     |   |   |                                   |                       |
|                   |             |     |   |   |                                   |                       |
|                   |             |     |   |   |                                   |                       |
|                   |             |     | ١ | /hat coordinate system should be used for saving?   |                                   |                       |
|                   |             |     | ĺ | Relative to base plate.<br>The part will be positioned on the base plate as it is defined in the library. |                                   |                       |
|                   |             | 1   |   | ···· · · · · · · · · · · · · · · · · ·  | -                                 |                       |
|                   |             |     |   | Relative to original scan data.   |                                   |                       |
|                   |             |     |   | The part will be saved in the coordinate system of the original scan data.                                |                                   |                       |
|                   |             | ļ   | ĺ | Scene coordinates without jaw movement.   |                                   |                       |
|                   | ,           |     |   | The part will be saved as it is in the scene but without jaw movement from the articulator.               |                                   |                       |
|                   |             |     |   |   |                                   |                       |
|                   |             |     |   |   |                                   |                       |
|                   |             |     |   |   |                                   | Add custom view       |
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|                   | J           |     |   |   | exocad                            |                       |
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|                   |             |     |   |   |                                   | 23.01.2024 4          |
|                   |             |     |   |   |                                   |                       |
|                   |             |     |   |   |                                   |                       |



12. In den folgenden Schritten wechseln wir zur AxioPrisa Software, um nun die anatomische Ausrichtung zu erzeugen / In the following steps, we will switch to the AxioPrisa software to create the anatomical alignment.

Hier werden die Rohdaten (nicht die Modelle) importiert. Diese dienen später als ausgerichtete Grundlange für die Arbeit in Exocad / *The raw data (not the models) are imported here. These are later used as the aligned base length for the work in Exocad.* 





13. Hier wird der übliche Ausrichtungsprozess übersprungen. Ist dieser wichtig, schau auf die Webseite und lade die Anleitung "AxioPrisa Workflow" herunter / *The usual alignment process is skipped here. If this is important, go to the website and download the "AxioPrisa Workflow" instructions.* 

| SAM A            | kioprisa 1 | .6.6 (ART | AXP)  |     |      |    |      |     |     |     |  | - o                   | ×          |
|------------------|------------|-----------|-------|-----|------|----|------|-----|-----|-----|--|-----------------------|------------|
| AXP              | Re         | eview r   | esult |     |      |    |      |     |     |     |  | 20                    | ≡          |
| ©<br>©<br>©<br>© |            | Rev       | юток. | YOU | ur A | XP | alig | nme |     | esu |  | RT                    |            |
|                  |            |           |       |     |      |    |      |     |     |     | DUICK HELP ARE ALL THE PARTS PROPERLY FITTED TOGETHER? |                       |            |
|                  | -          | 4         |       | 6   | -    | 0¥ | exo  | w]  | cád | AXP | 100%) 🌵 🛛 🍖 S°C Leichter Regen 🔨 🛱 句別 🦧 DE             | 09:07<br>U 23.01.2024 | , <b>1</b> |

14. Speicher die Daten dann im Exocad Koordinatensytem mit dem Exocad Button oben rechts / *then save the data in the Exocad coordinate system using the Exocad button in the top right-hand corner* 

| 🐖 SAM Axio                              | orisa 1.6.6 (ART AXP)                                      |                                  |   |   | – a ×  |
|---|--|----------------------------------|---|---|--|
| АХР                                     | Export models  |                                  |   |   | ₽. =   |
|   | Export your <b>AXP-aligned</b>                             | models here.                     |   | Saves the current case correctly aligned fo | r exocad software.                               |
| 0                                       | Save case as files for<br>SAM                              | Save case as files for<br>Schape | sshape <sup>b</sup>                       | Save case as files for<br>exocad<br>exocad  | Ē  |
| • | Print case using<br>SAM AutoSnapMount<br>- S - A - M - ASM | Z                                |   |   |  |
|   |  |                                  |   |   |  |
|   |  |                                  | Done                                      |   |  |
|   | GO BACK  |                                  |   | EXIT AXP APPLICATION                        | START A NEW CASE                                 |
|   |  | QUICK HELP EXPORT YOUR GENE      | ERATED MODELS TO EXTERNAL SOFTWARE OR SUP |   |  |
|   | š 🦔 🧰 🍅 🤑 🚾 🔤  | cão 🗛                            | 1009                                      | 🔏) 🖶 🛛 🔷 5°C Leichter Regen 🔿 🛱 영           | 回 印) <i>信</i> , DEU 09:10<br>23.01.2024 <b>で</b> |



15. Starten einen neuen Fall. Nun werden die Modelle aus Exocad ausgerichtet / Start a new case. The models are now aligned from Exocad

| Mark SAM Axio | orisa 1.6.6 (ART AXP)                          |                                  |              |                                  | - o                           | ×  |
|---------------|--|----------------------------------|--------------|----------------------------------|-------------------------------|----|
| АХР           | Export models                                  |                                  |              |                                  | <b>2</b> 0 :                  | ≡  |
|               | Export your <b>AXP-aligned r</b>               | nodels here.                     |              |                                  | red rel award 2021<br>winner  |    |
| 0             | Save case as files for<br>SAM<br>= S = A = M = | Save case as files for<br>Sohape | ∎<br>3shape⊵ | Save case as files for<br>exocad | ■<br>exocad                   |    |
| •             | Print case using<br>SAM AxioSnapMount<br>=     | 2                                |              |                                  |                               |    |
|               |  |                                  |              |                                  |                               |    |
|               |  |                                  | Done         |                                  |                               |    |
|               | GO BACK  |                                  |              | EXIT AXP APPLIC                  | START A NEW CASE              |    |
|               |  | QUICK HELP EXPORT YOUR GENERA    |              |                                  |                               |    |
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16. Lade den AXP-Scan in die Software. (Bissgabelträgerscan) / load the AXP scan into the software. (transfer fork assembly scan)

| SAM Axioprisa 1.6.6 (ART AXP)                      |  |                  |                   |                        |          |                 |                    | - 0                | $\times$ |
|--|--|------------------|-------------------|------------------------|----------|-----------------|--------------------|--------------------|----------|
| AXP Import case files<br>Select scanned mesh files |  |                  |                   |                        | ×        |                 |                    | 20                 | ≡        |
| ← → ✓ ↑ 📕 > This PC > Desktop                      | → ScanBib → Zahmodel Viade → TEST →      |                  | マン Search T       | EST                    | ٩        |                 |                    |                    |          |
| Organize 👻 New folder                              |  |                  |                   | ii - 🔳                 |          |                 | IMPOR              | T MAIN FILES       |          |
| This PC  | Name                                     | Date modified    | Туре              | Size                   |          |                 |                    |                    |          |
| 3D Objects   | abc                                      | 05.11.2023 10:45 | File folder       |                        |          |                 |                    |                    |          |
| Desktop  | EXO Models                               | 05.11.2023 08:39 | File folder       |                        |          |                 |                    |                    |          |
| Documents  | Exocad Models                            | 23.01.2024 09:05 | File folder       |                        |          |                 |                    |                    |          |
| Downloads  | 🏷 Viade models by Trios AXP-Position.stl | 01.09.2023 15:18 | STL 3D model file | 14.660 KB              | <u>~</u> |                 | AXP scan           |                    |          |
| Music  | liade models by Trios LowerJawScan.stl   | 05.01.2021 14:23 | STL 3D model file | 15.932 KB              |          |                 |                    |                    |          |
| Pictures   | Viade models by Trios UpperJawScan.stl   | 05.01.2021 14:23 | STL 3D model file | 14.262 KB              |          |                 |                    |                    |          |
|  |  |                  |                   |                        |          |                 |                    |                    |          |
| Windows-SSD (C)                                    |  |                  |                   |                        |          |                 |                    |                    |          |
| Lorbiecki (\\storage\Daten\Home                    |  |                  |                   |                        |          |                 |                    |                    |          |
| Kamera-Unloads (\\samdr01) (K)                     |  |                  |                   |                        |          |                 |                    |                    |          |
| arafik (\storage\Daten) (M)                        |  |                  |                   |                        |          |                 |                    |                    |          |
| Grafik Archiv (Astorage) (NE)                      |  |                  |                   |                        |          |                 |                    |                    |          |
| Clairk_Archiv (((storage) (N.))                    |  |                  |                   |                        |          |                 |                    |                    |          |
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| cam () storage) Daten) (S)                         |  |                  |                   |                        |          |                 |                    |                    |          |
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| may (1) storage) (v.)                              |  |                  |                   |                        |          |                 |                    |                    |          |
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| File name: Viade model                             | Is by Trics AXD-Position st              |                  | V Mech fil        | es (* stl * ply * obi) |          |                 |                    |                    |          |
| The hame. Viade model                              |  |                  |                   | es (.su .ply .ooj)     |          |                 |                    |                    |          |
|  |  |                  | Op                | en Can                 | cel      |                 |                    |                    |          |
|  |  |                  |                   |                        |          |                 |                    |                    |          |
|  |  |                  | HELP ADD YOUR JAW |                        |          |                 |                    |                    |          |
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|  |  | XP               |                   |                        | 100%     | 💁 🗘 🛶 5°C Leich | iter Regen 🦳 🔿 🗇 🕬 | (7, DEU 23.01.2024 | 4 4      |



**EXOCAD** Dies Model 17. Als nächsten folgen die beiden Modellbasen / Next come the two model bases

| SAM Axiopri  | sa 1.6.6 (ART AXP)   |                                  |                                      |  |   |          |                  |                      | - 0                     | ×   |
|--|--|----------------------------------|--------------------------------------|--|---|----------|------------------|----------------------|-------------------------|-----|
| АХР  | Import case files  |                                  |                                      |  |   |          |                  |                      | 20                      | ≡   |
|  | Add your <b>m</b>  | esh files here (                 | STL, PLY,                            | OBJ).                                  |   |          |                  | IMPORT MAIN          | IFILES                  |     |
|  |  | Maxilla                          | ×                                    |  | Mandible                                  | ×        |                  | AXP scan             | <ul> <li>✓</li> </ul>   |     |
| 0<br>0<br>0<br>0<br>0  |  | SWAP WITH AXP SCAN               |                                      | 5                                      | VAP WITH AXP SCAN                         |          |                  |                      |                         |     |
|  | GO BACK  | •                                |                                      |  |   |          |                  |                      |                         |     |
|  |  |                                  | ļ                                    | QUICK HELP ADD YO                      |   |          |                  |                      |                         |     |
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| SAM Axiopri  | sa 1.6.6 (ART AXP)   |                                  |                                      |  |   |          |                  |                      | - 0                     | ×   |
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| S This PC  | bjects   | Teeth_1727Model_base.s           | tl 23.01.202                         | 4 09:05 STL 3D mc                      | idel file 15.669 KB                       |          |                  |                      |                         |     |
| Deskt 🗟 Docur  | op<br>ments<br>Iloads  | Teeth_3747Model_base.s           | ti 23.01.202<br>al_die.sti 23.01.202 | 4 09:04 STL 3D mo<br>4 09:05 STL 3D mo | idel file 16.887 KB<br>idel file 2.032 KB | ×        |                  | AXP scan             | <ul> <li>✓</li> </ul>   |     |
| Music  Pictur  Vinde  Vinde  Vinde  Vinde  Vinde  Vinde  Grafik  Gra | es<br>sources of the set | 47Model_base.stl" "Teeth_1727    | _Model_base.sti*                     |  | Mesh files (*sti *,ply *.obj) →<br><br>   |          |                  | NEXT AXP SCA         | C                       |     |
|  |  |                                  |                                      | D QUICK HELP ADD YO                    | UR JAW AND AXIOPRISA MESH                 | FILES    |                  |                      |                         |     |
| -  | an 💼 📣   | <b>A 5 6</b>                     |                                      |  |   | 100%     | A 5°C Leichter F | togon o ft 🚍 tu) 🤅 l | 09:09                   | E.  |



18. Hier folg der Ausrichtungsprozess erneut / Here the alignment process follows again





19. Gespeichert wird dann ebenfalls im Exocad Kooridnatensytem mit dem Button oben rechts, oder man wechselt direkt in die ASM Software mit dem Button links in der Mitte / You can also save in the Exocad coordinate system using the button at the top right, or you can switch directly to the ASM software using the button in the centre left

| 📟 SAM Axi | oprisa 1.6.6 (ART AXP)            |                       |            |                                  |         |      |                               |                          | -                                  | o × |
|-----------|-----------------------------------|-----------------------|------------|----------------------------------|---------|------|-------------------------------|--------------------------|------------------------------------|-----|
| АХР       | Export models                     |                       |            |                                  |         |      |                               |                          | 20                                 | : ≡ |
|           | Export yo                         | our <b>AXP-aligne</b> | d models h | ere.                             |         |      | Saves the current o           | ase correctly aligned fo | r exocad software.                 |     |
| 0         | Save case as file:<br>SAM         | -5-A-M-               | 2          | Save case as files for<br>3shape | зshape⊵ | •    | Save case as files for exocad | exocad                   | Ē                                  |     |
| •         | Print case using<br>SAM AxioSnapM | sunt<br>-5-A-M- ASM   | Ľ          |                                  |         |      |                               |                          |                                    |     |
|           |                                   |                       |            |                                  |         |      |                               |                          |                                    |     |
|           |                                   |                       |            |                                  | Done    |      |                               |                          |                                    |     |
|           | GO BACK                           | -                     |            |                                  |         |      | EXIT AXP APPLICATION          |                          | START A NEW CASE                   |     |
|           |                                   |                       |            | LP EXPORT YOUR GENERA            |         |      |                               |                          |                                    |     |
|           | 🦇 🧧 🥫 🌾                           | 🌢 🤑 🔯 🚳               | 1 📾 🔤      |                                  |         | 100% | 🕽 🕴 🛛 🔷 5°C Leichter          | Regen ^ ট্রা             | ■ 印) <i>信</i> DEU 09:10<br>23.01.2 | 0   |

20. Hier folgt die Auswahl des vorhandenen Equipments / Here follows the selection of the available equipment

| Magazina SAM Axio | SnapMount 1.7.4   |   | - 0   | × |
|-------------------|---|---|---|---|
| ASM               | Settings  |   | å   | ≡ |
|                   | Make your ASM settings he<br>Pick your Articulator<br>SAM<br>SAM<br>A Artex Carbon<br>Denar 3XX (coming soon)<br>Panadent PSH & PCH (coming soon) | Blocks at hand                              | Mounting plates in stock         I four size         Stor (a point coming soon)         O. 0mm - ASM 120         2. Smm - ASM 121         3. 0 mm - ASM 121         J. S mm - ASM 123         J. S mm - ASM 123 |   |
|                   | GO BACK   |   | NEXT IMPORT FILES   |   |
|                   |   | QUICK HELP ADAPT YOUR SETTINGS IF NECESSARY |   |   |
|                   | 🖇 🥶 🧰 🍅 🛟 🐖 🦉   |   | 100%) 単 🛛 🏟 5°C Leichter Regen へ ট 🖙 印) 🥂 DEU 23.01.2024 .  |   |



21. Wurde die Direktverlinkung beider Software nicht genutzt, müssen die Modellbasen Importiert werden. Hier ist es wichtig die mit dem Namensvorsatz "AXP-alight\_exocad\_....." zu nehmen / If the direct linking of both software was not used, the model bases must be imported. Here it is important to use the one with the name prefix "AXP-alight\_exocad\_......"

| SAM AxioSnapMount 1.7.4  |                       |                   |                    |                |                      | - 0                        | $\times$ |
|--|-----------------------|-------------------|--------------------|----------------|----------------------|----------------------------|----------|
| wwww.Select mesh files   |                       |                   |                    | ×              |                      | •                          | _        |
| ← → ∽ ↑ 📕 > This PC > Desktop > ScanBib > Zahmodel Viade > TEST > AXP for Exocad |                       | ✓ ບ Search AXP    |                    | م              |                      | <b>▲</b> ≎                 | =        |
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| 3D Objects AXP-aligned_exocad_axis-orbital-plane.2planes.stl                     | 23.01.2024 09:11      | STL 3D model file |                    |                |                      |                            |          |
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| Documents AXP-aligned_exocad_Teeth_1727Model_base.stl                            |                       |                   | 15.669 KB          |                |                      |                            |          |
| Downloads AXP-aligned_exocad_Teeth_3747Model_base.stl                            | 23.01.2024 09:11      | STL 3D model file | 16.887 KB          |                |                      |                            |          |
| AXP-aligned_exocad_Viade models by Trios AXP-Position.stl                        | 18.10.2022 08:34      | STL 3D model file | 14.660 KB          |                | Mandible             | × (                        |          |
| AXP-aligned_exocad_Viade models by Trios LowerJawScan.st                         | 18.10.2022 08:34      | STL 3D model file | 15.932 KB          |                |                      |                            |          |
| AXP-aligned_exocad_Viade models by Trios UpperJawScan.st      Videos             | 18.10.2022 08:34      | STL 3D model file | 14.262 KB          |                |                      |                            |          |
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22. Nach dem Import muss in Schritt 3 rechts die Importquelle angegeben werden. Hier also "Already aligned: exocad"/ After the import, the import source must be specified in step 3 on the right. In this case "Already aligned: exocad"

| SAIVI AXIOS | shapiyount 1.7.4 |  |   |
|-------------|------------------|--|---|
| ASM         | Choose alignment |  | <b>2</b> 0 =  |
|             |                  |  | Base are in exceed coordinate system (2002, refersion).   Arapy 1022, refersion). |
|             |                  | DUICK HELP ALIGN YOUR MODELS TO YOUR ARTICULATOR |   |
| •           | s 🦔 🗮 🌢 🤀 🔯 🚾    | 1 <u></u>  | 09:15   |



23. Danach wird die Füllstrategie bestimmt / The filling strategy is then determined



24. WICHTIG! Das volle Modell aus Exocad muss unten erneut geöffnet werden. Beachte, dass der Stumpfschacht am besten unangetastet bleibt. Die Stumpflänge kann in Exocad geändert werden. IMPORTANT! The full model from Exocad must be opened again at the bottom. Note that the stump shaft is best left untouched. The stump length can be changed in Exocad.



25. Danach wird die Anpassung in der Übersicht kontrolliert / The adjustment is then checked in the overview.



26. Im nächsten Schritt wird der Patientenname eingetragen und das Modell generiert / In the next step, the patient name is entered and the model is generated.

| SAM Axio | inapMount 1.7.4                |                                       | - 0 X  |
|----------|--------------------------------|---------------------------------------|--|
| ASM      | Review & generate final models |                                       | ≵₀ ≡   |
|          |                                |                                       | Identification imprint:         Test                           |
|          |                                |                                       |  |
|          |                                | QUICK HELP CUSTOMIZE MODEL GENERATION |  |
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27. Die fertigen Modelle werden gespeichert und können gedruckt werden / The finished models are saved and can be printed.

| Magazina SAM AxioS | inapMount 1.7.4               |   | - 0 ×                 |
|--------------------|-------------------------------|---|-----------------------|
| ASM                | Export models                 |   | ₽0 ≡                  |
|                    | Export your <b>ASM models</b> | here.   |                       |
| 0                  | Save case as files for<br>SAM | Save case as files for<br>Schape Save case as files for<br>excoad         | •                     |
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|                    | GO BACK                       | EXIT ASM APPLICATION START A NEW CA                                       | ASE                   |
|                    |                               |   |                       |
|                    |                               | DUICK HELP EXPORT YOUR GENERATED MODELS TO EXTERNAL SOFTWARE OR SUPPLIERS |                       |
|                    | k 🥶 🧰 🄲 💮                     | 😬 🤹 👘 5°C Leichter Regen 🔨 🖗 🕬 🌾 DEI                                      | ) 09:25<br>23.01.2024 |

28. Nun wechselt man wieder in Exocad und wählt die "CAD"-Software aus / Now switch back to Exocad and select the "CAD" software.

| Projekt 🗈 Neu 🖆 Laden 🕞 Speicherm 🗈 Duplizieren   | Indikation und Materialien 😔 exceed default  | Aktion 🔺 🌣 🍳 💿  |
|---|--|---|
| Wählen Sie eine Aktion in der Werkzeugleiste rechts.  | Patient 🌒 Multidie   | Scan with Medit for Labs  |
| Image: Democrase of the second sec | 12 111 21 22<br>23<br>14<br>15 23<br>23<br>24<br>24<br>16<br>25<br>16<br>26  | CAD<br>Mo CAD-Konstruktion  |
| Lotius     Votizen  | Antagonist<br>Aufbissschiene   | Zebris WINJAW         Image: Constraint of the second sec |
| Lit. Daten und Status         2024-01-23.99999-001-preview  | 43       33         43       33         43       33         43       33         43       33         43       33         33       33         33       33         33       33         33       33         22bhnfarbe       Scan-Modus          Zwei Gipsmodelle, in Okklusion          Bissgabel scannen für Kleferbewegungsimport | exocad  |
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29. Importiert werden hier die Scans (nicht die Modelle) mit dem Namensvorsatz "AXP-aligned\_exocad\_…" Erst wird der Oberkiefer ausgewählt und importiert

The scans (not the models) with the name prefix "AXP-aligned\_exocad\_..." are imported here The upper jaw is selected and imported first.



30. Danach wird der Unterkiefer importiert / Then the lower jaw is imported.

|  |  |                  |                                       |                                    | •                      | ≗ - ♂ ×         |
|--|--|------------------|---------------------------------------|------------------------------------|------------------------|-----------------|
| 🥌 Lower jaw: Load Antagonist                 |  |                  |                                       | ×                                  |                        | Load            |
| ← → × ↑ 📕 « Users > Lenov                    | > OneDrive > Desktop > ScanBib > Zahmodel Viade > TEST > AXP for I | Exocad           | Search AXP for Ex                     | rocad 🔎                            |                        | Loud            |
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| 3D Objects                                   | AXP-aligned exocad axis-orbital-plane.2 -planes.stl                | 23.01.2024 09:11 | STL 3D model file                     | 1 KB                               |                        | 4.              |
|  | AXP-aligned_exocad_axis-orbital-plane.3 -axis.stl                  | 23.01.2024 09:11 | STL 3D model file                     | 2 KB                               |                        |                 |
|  | AXP-aligned exocad Teeth 1727 - Model base.stl                     | 23.01.2024 09:11 | STL 3D model file                     | 15.669 KB                          |                        | Tools           |
| Documents                                    | AXP-aligned exocad Teeth 3747 - Model base.stl                     | 23.01.2024 09:11 | STL 3D model file                     | 16.887 KB                          |                        |                 |
| Downloads                                    | AXP-aligned exocad Viade models by Trios AXP-Position.stl          | 18.10.2022 08:34 | STL 3D model file                     | 14.660 KB                          |                        |                 |
| Music  | AXP-aligned_exocad_Viade models by Trios LowerJawScan.stl          | 18.10.2022 08:34 | STL 3D model file                     | 15.932 KB                          |                        |                 |
| <ul> <li>Pictures</li> <li>Videos</li> </ul> | AXP-aligned_exocad_Viade models by Trios UpperJawScan.stl          | 18.10.2022 08:34 | STL 3D model file                     | 14.262 KB                          |                        |                 |
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| <br>   |  |                  | 100%                                  | <b>UT</b> Hitze                    |                        | 23.01.2024 4    |



31. WICHTIG! Hier kann die Modelposition verändert werden. Dadurch wird die Ausrichtung von AxioPrisa verworfen!

**IMPORTANT!** The model position can be changed here. This cancels the alignment of AxioPrisa!



32. [OPTIONAL] Kontrolliere daher die Ausrichtung! Hierfür welchen wir in den Expert Modus von Exocad. [OPTIONAL] Therefore, check the alignment! To do this, we switch to the Expert mode of Exocad.





33. Ist man im Experten Modus kann man unter "Tools" Meshes hinzufügen und den Artikulator aktivieren. *If you are in expert mode, you can add meshes under "Tools" and activate the articulator.* 



34. Zuerst fügen wir die Kontrollmeshes hinzu / First we add the control meshes.





35. Diese heißen "AXP\_exocad\_axis-orbital-plane.2\_\_-planes.stl" & "AXP\_exocad\_axis-orbital-plane.3\_\_-axis.stl" *These are called "AXP\_exocad\_axis-orbital-plane.2\_\_-planes.stl"* & "*AXP\_exocad\_axis-orbital-plane.3\_\_axis.stl*"

|                                     |                 |                                 |  |                  | - 2                                   |                                    |  |  |
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| O Jaw scans                         | ← ·             | → ✓ 🕇 📙 « Users > Lenov > C     | DneDrive > Desktop > ScanBib > Zahmodel Viade > TEST > AXP for | Exocad 🗸         |                                       |                                    |  |  |
| >      O Bite splint parts          | Orna            | Oversige - New felder           |  |                  |                                       | No - 10 0                          |  |  |
| 🗞 Min. thickness                    | - Ciga          | inter folder                    |  |                  | •                                     |                                    |  |  |
| <ul> <li>Anatomic shapes</li> </ul> |                 | This PC                         | Name   | Date modified    | Туре                                  | Size                               |  |  |
| ✓ Teeth                             |                 | 3D Objects                      | AXP-aligned_exocad_axis-orbital-plane.2planes.stl              | 23.01.2024 09:11 | STL 3D model file                     | 1 KB                               |  |  |
|                                     |                 | Desktop                         | AXP-aligned_exocad_axis-orbital-plane.3axis.stl                | 23.01.2024 09:11 | STL 3D model file                     |                                    |  |  |
| * Hidden SHOW ALL                   |                 | Documents                       | AXP-aligned_exocad_Teeth_1727Model_base.stl                    | 23.01.2024 09:11 | STL 3D model file                     | 15.669 KB                          |  |  |
|                                     |                 | Downloads                       | AXP-aligned_exocad_Teeth_3747Model_base.stl                    | 23.01.2024 09:11 | STL 3D model file                     | 16.887 KB                          |  |  |
|                                     |                 | Music                           | AXP-aligned_exocad_Viade models by Trios AXP-Position.stl      | 18.10.2022 08:34 | STL 3D model file                     | 14.660 KB                          |  |  |
|                                     |                 | Pictures                        | AXP-aligned_exocad_viade models by Trios LowerJawScan.sti      | 18.10.2022 08:34 | STL 3D model file                     | 15.932 KB                          |  |  |
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36. Importiert werden die Scans über ungenutzte Titel. Hier nutzen wir den Gingiva-Scan und laden die "Plane". *The scans are imported via unused titles. Here we use the gingiva scan and load the "Plane".* 





37. Als nächstes wird der zweite Kontrollscan geladen. Hier nutzen wir den Wax-up Scan.

Next, the second control scan is loaded. Here we use the wax-up scan.

| A Show/Llida                                 | INTERSECTION |             |          |            |                       |                                      | <b>* -</b> 5        |
|--|--------------|-------------|----------|------------|-----------------------|--------------------------------------|---------------------|
| Antagonists                                  | -1 -0,88     | -0,75 -0,62 | -0,5 -0  | 0,38 -0,25 | -0,12 Add/Remove Mesh |                                      | 0                   |
| • Jaw scans                                  |              |             |          |            |                       |                                      |                     |
| >      O Bite splint parts                   |              |             |          |            | Load/Generate         | Correct Placement                    |                     |
| & Min. thickness                             |              |             |          |            | Select mesh type      | Correct height                       |                     |
| • Anatomic shapes                            |              |             |          |            | Waxup Scan            | <ul> <li>Correct position</li> </ul> |                     |
| AXP-aligned_exocad_axis-orbital-pla          |              |             |          |            | Choose jaw            | Move freely                          |                     |
| • AXP-aligned_exocad_axis-orbital-pla        |              |             |          |            | Upper jaw             | Satisalar                            |                     |
| <ul> <li>✓ Teeth</li> </ul>                  |              |             |          |            | Load                  | Set Color                            |                     |
| <ul> <li>Hidden</li> <li>SHOW ALL</li> </ul> |              |             |          |            | Load from scene       |                                      |                     |
|  |              |             |          |            | Copy existing         | Parametric Repositioning             | ~                   |
|  |              |             |          |            | Remove object(s)      | Align Meshes                         |                     |
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|  | 1            |             | DA       |            |                       | INDO REE                             | 000                 |
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|  | <b>W</b>     |             | <u>g</u> |            |                       |                                      | Add custom v        |
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38. Sind beide Scans geladen, verläuft die Oberseite des Planes parallel zur Artikulatoroberseite. Once both scans have been loaded, the top of the plan runs parallel to the top of the articulator.





39. Die Achse verläuft durch die Scharnierachse des Artikulators / *The axis runs through the hinge axis of the articulator.* 



Besser zu erkennen, wenn der Artikulator transparent dargestellt wird. (Shift + Maustaste 3). *Better to recognise when the articulator is displayed transparently. (Shift + mouse button 3).* 





Die Plane verläuft somit zentrisch von den Kondylarkugeln zum Inzisalstift.

The plane thus runs centrally from the condylar spheres to the incisal pin.



Ebenfalls teilt diese den Artikulator zentrisch / This also divides the articulator centrally.



Sind diese Bedingungen erfüllt, kann sicher sein, dass die Ausrichtung und der Import gelungen sind. *If these conditions are met, you can be sure that the alignment and import have been successful.* 

