

ALL-ON-X

What's In The Box?

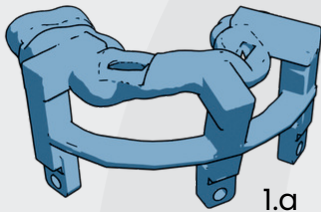
1- VERTICAL VERIFIER -FIG.1

The function of this piece is:

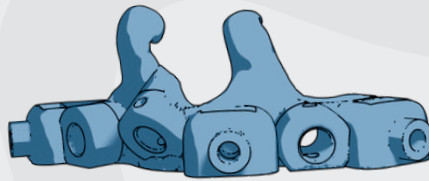
Is to assist with the accurate positioning of the Bone Foundation Guide.

The anatomical landmarks that can be used to index the BFG:

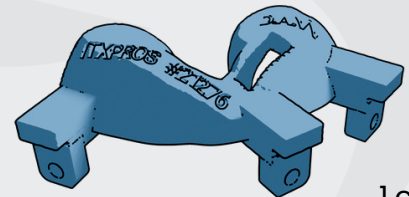
- Teeth (**In dentate patients**) – Fig. 1.a
- Nasal Pyriform Anatomy (**Maxilla**) – Fig. 1.b
- Crest of the ridge (**Mandible**) – Fig. 1.c



1.a



1.b



1.c

2- BONE FOUNDATION GUIDE -FIG.2

The function of this piece is: Provides a reduction plane for guided bone reduction and a foundation for the rest of the stackable pieces.

⚠️ Note: If the ridge crest has multiple extraction sockets, utilizing the labial plate of bone to seat the BFG will provide better guide seating. In addition, the remaining pieces should be stacked upon the bone foundation guide.

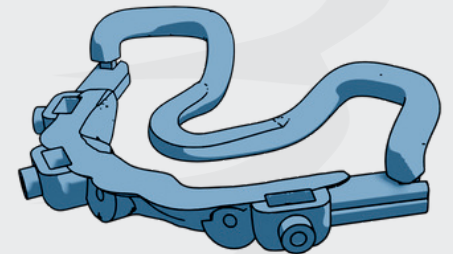


Fig. 2



3- OSTEOTOMY GUIDE - FIG.3

The function of this piece is:

To provide precise positioning, angulation, and depth for implant placement. Additionally, it assists in verifying bone reduction and ensures sufficient bone has been removed.

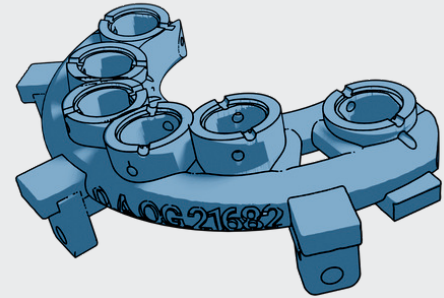


Fig. 3

4- ABUTMENT ORIENTATION PIECE - FIG.4

The function of this piece is:

Guides the correct direction of the prosthetic screw of the MUAs.

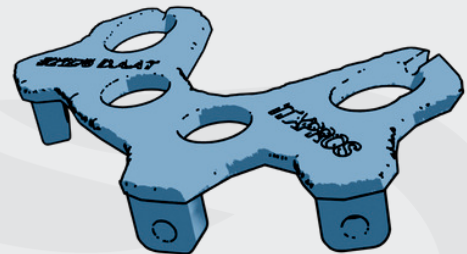


Fig. 4

5- ISOLATION GASKET - FIG.5

The function of this piece is:

To separate the surgical and restorative fields and ensure no restorative material comes in contact with the freshly reduced bone.

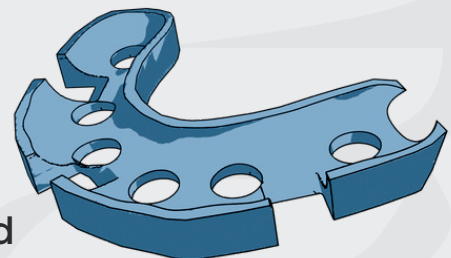


Fig. 5

6-PROVISIONAL RESTORATION (PMMA)- FIG.6

The function of this piece is:

Immediately load the implants if adequate primary stability is achieved, restoring patients' aesthetics and function.

The temporary restoration will be interim throughout the healing phase until the patient is ready to proceed to finals.

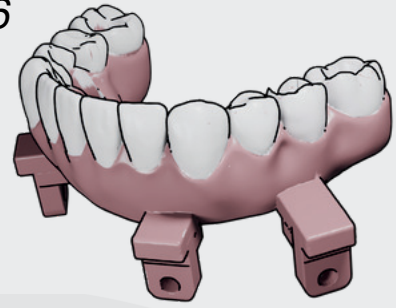


Fig. 6

8- TITANIUM CYLINDERS - FIG.7

The function of this piece is:

To be placed on top of the MUAs during the PMMA pickup process.



Fig. 7

9-PLASTIC STRAWS - FIG.8

The function of this piece is:

To block the screw access channel of the titanium cylinders during the pickup process.



Fig. 8

10- CLEAR PMMA DUPLICATE – FIG.9

The function of this piece is: This is an exact duplicate of the temporary restoration, 3D printed out of SG resin material to be picked up on the day of surgery. This piece will act as a verification jig recording the relationship between the implants. After the soft tissue healing, you will need to inject light PVS impression material underneath the intaglio surface to record the soft tissue anatomy.

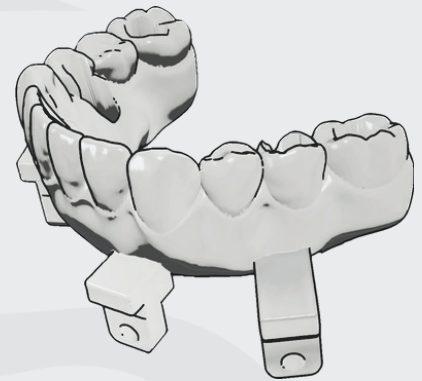


Fig. 9

⚠️ Note: You **must order** an extra set of titanium cylinders to if you intend to use this piece.

11- ITXPROS FIXATION KIT

The function of this piece is: To provide the tools necessary for the fixation functionality of the stackable guide components.

COMPONENTS OF A FIXATION KIT

- **Drill Bit:** Used for preparing the site and inserting screws.
- **Screws:** Used for securing the bone foundation guide or bone grafts.
- **Screwdriver Body.**
- **Screwdriver shaft.**
- **Metal Pins.**

You can order the fixation kit separately from the ITXPROS shop.

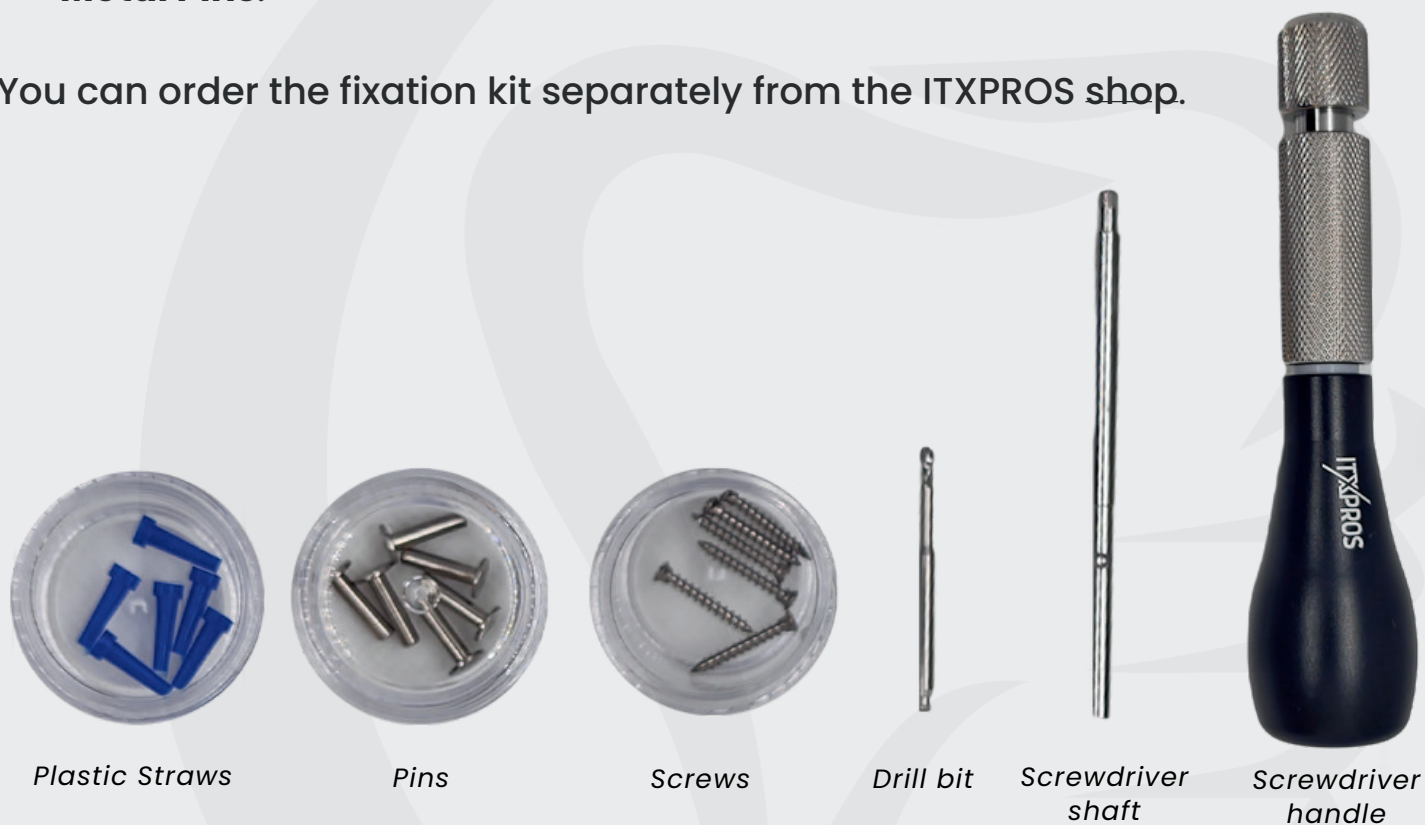


Fig. 10

ALL-ON-X

Instructions For Use

Step 1: Make sure you've received all the components of the All-On-ITX Insta guide. Refer to the checklist above.

Step 2: Cold sterilization is recommended before surgery. To do this, immerse the parts in chlorohexidine solution for 30 minutes before your procedure.

Step 3: Flap the patient, then insert the Vertical Verifier into the bone foundation guide (Fig. 11) and use the metal pins to hold them securely together, then seat the Vertical verifier on the patient's anatomical structure depending on your case (teeth, crest of the ridge, or nasal rim) making sure it is seated all the way in.



Fig. 11

⚠️ Note: Before placing the labial foundation guide, you must review the bone reduction PDF to see if any teeth need to be extracted. **This is important because the screws used to secure the guide might interfere with existing teeth roots, making extractions more difficult.**



Step 4: Use the fixation screw drill, then screws (included in the ITXPROS fixation kit) to hold the foundation guide to the labial bone. (Fig. 12)



Fig. 12

Step 5: Remove the vertical verifier, score the labial plate of bone using a round bur, and reduce the bone to the level designated by the bone foundation guide's level. (Fig. 13)

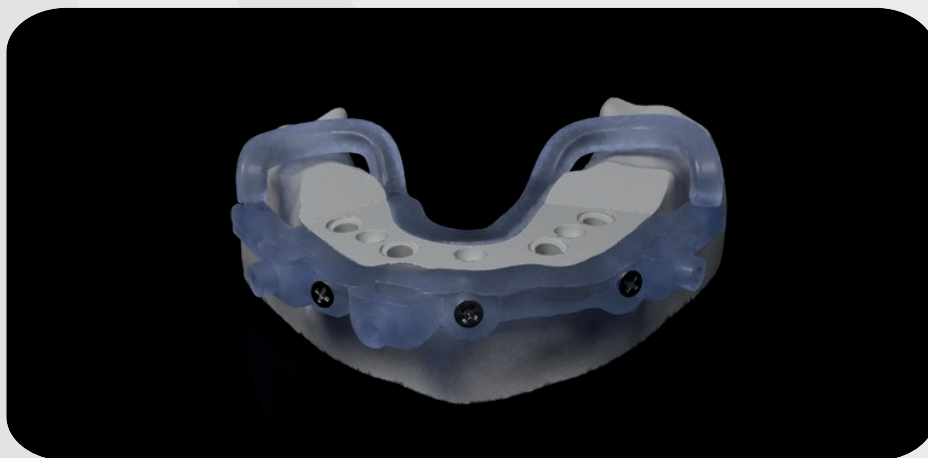


Fig. 13

Step 6: Insert the osteotomy guide into the bone foundation guide (Fig. 14) and use the metal pins to securely hold them together, then perform your osteotomy and place your implants according to the drilling instruction sheet (sent by ITXPROS).

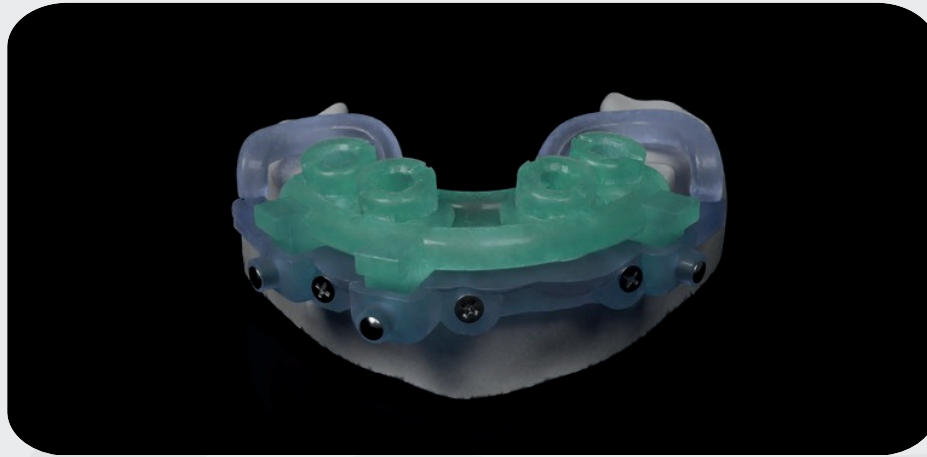


Fig. 14

⚠️ Note: To ensure accurate implant placement, use the metal pins provided by ITXPROS to secure the osteotomy guide into the labial foundation guide receptors.

Remember to follow the guided kit protocol to prepare the recipient osteotomy sites. After the sites are ready for implant placement, use the guided implant driver to deliver the implants at the correct vertical position per your surgical protocol. Please pay attention to the black marking on your OG to ensure the accurate timing of your implant connection; ensure that your implant driver's timing corresponds to it.

⚠️ Note: In case the metal pins fail to lock, proceed to remove the osteotomy guide and reduce the bone until it reaches the correct level for the metal pins to lock into place. **This is an important step in ensuring proper alignment during surgery.**

Step 7: Remove the osteotomy guide, then insert the abutment orientation guide into the bone foundation guide (Fig. 15) and use the metal pins to securely hold them in place, then insert and rotate the MUAs prosthetic screw to match the markings on the abutment orientation piece.

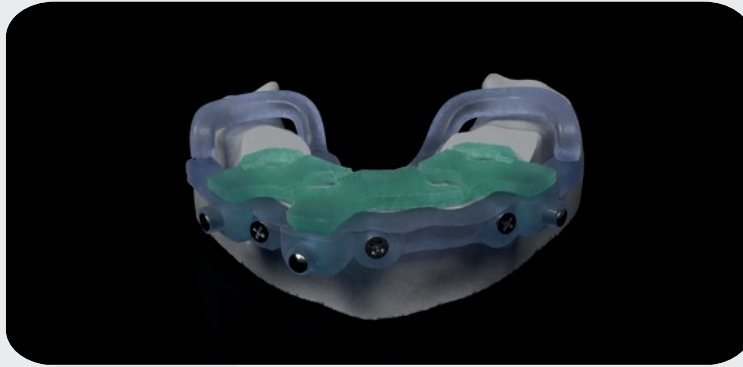


Fig. 15

Step 8: Remove the abutment orientation piece, then torque the Titanium Cylinders to the MUAs according to the manufacturer's instructions, then insert the Isolation Gasket into the cylinders (Fig. 16)

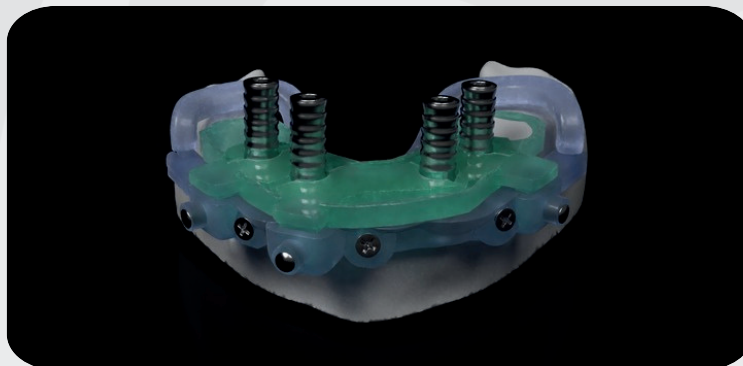


Fig. 16

! Note1: The Titanium Cylinders are pre-trimmed to the correct vertical height.

Note2: Any of the following can be used in place of the Isolation Gasket:

- Putty Material, adapted to the reduced ridge on the analog model and indexed using the PMMA.
- Rubber Dam, locking around the MUA necks.

Step 9: Seat the PMMA into the bone foundation guide through the Titanium Cylinders (Fig. 17), then test the patient's occlusion using the included Silicone Bite.



Fig. 17

PICKUP STEPS:

1- Use the plastic straws to protect the screw access channel, then inject the flowable composite, or chairside reline material, for PMMA pickup.

⚠ **Note1:** Dual-cured material is recommended

⚠ **Note2:** LED curing device is recommended for setting the flowable chairside material

2- Remove the plastic straws and reverse torque the titanium cylinder screw once the material has hardened.

3- The PMMA will have the titanium cylinder locked into it.

4- Provide the chairside assistant with the PMMA for finishing and polishing.

5- The labial foundation guide can now be removed, and necessary grafting procedures can be conducted.

6- Once completed, suturing the patient, soft tissue with primary closure.

7- Seat the PMMA on the MUAS, and tighten the titanium cylinder screws per the manufacturer's recommendations.