

Rafa-Tray

User Manual



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rev- 01-01.09.2024

Step 1:

Shortly before taking the dental impression, apply a thin layer of the adhesive onto its base. (Fig.1)

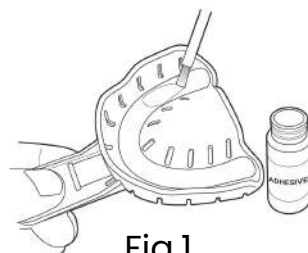


Fig.1

Step 2:

Take the initial (first) impression using Heavy Body silicone or silicone putty. (Fig.2-3-4)

Hint:

The jaw should be positioned centrally in the tray to achieve an even layer thickness.



Fig.2

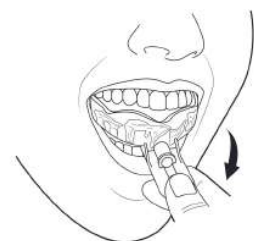


Fig.3

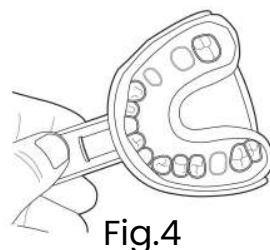


Fig.4

Step 3:

Using a sharp scalpel, cut away the undercuts as well as the interdental areas of the prepared teeth in the initial impression. (Fig.5)

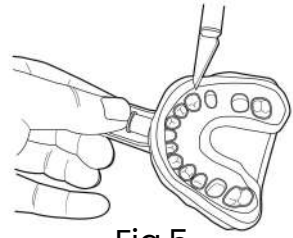


Fig.5

Step 4:

Only use a Puncher to remove the silicone impression from the occlusal surface of prepared teeth. Start punching the silicone on the occlusal surface by centering the Puncher vertically and rotating it till the appearance of the impression plate's color. (Fig.6-7-7.1-8)

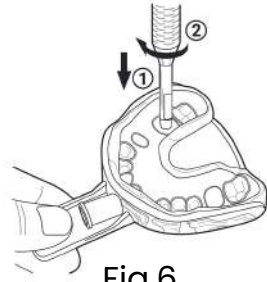


Fig.6



Fig.7

Note 1: for good result, Using the puncher remove heavy body silicone around the cervical margin of prepared tooth.

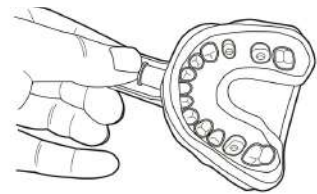


Fig.7.1

Note 2: (only in cases has a prepared teeth in both sides of the dental arch)

The holes in the left side of the impression should be equal of holes in the Right side, so make a hole in unprepared tooth in the side which has less holes to make the number of holes equal in both sides.

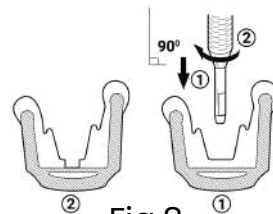


Fig.8

puncher position section

Step 5:

Drill another hole in the exposed colored plate (Step 4) by centering the Trepphine vertically using low speed until a hole is created. (Fig.9-10)

Hint 1:

Handpiece speed:
5000~15000 RPM

Hint 2:

The trephine must be cleaned after each puncture of the plate.

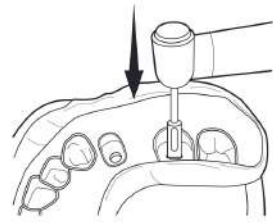


Fig.9

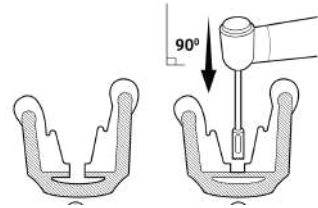


Fig.10

Step 6:

Return the tray back into the patient's mouth, and ensure that it is placed correctly. (Fig.11-12)

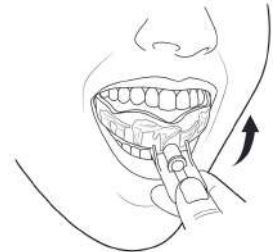


Fig.11



Fig.12

Step 7:

1- Insert the rubber cap onto the air spray tip, and place it into the front hole opening of the tray while the tray is inside the patient's mouth.

2- Blow air for only a maximum of 5-7 seconds in order to obtain adequate dryness and isolation.

3- Remove the air spray while maintaining the tray steady inside the patient's mouth. (Fig.13-14-15-16)

Step 8:

1- Hold the tray steadily inside the patient's mouth while applying moderate pressure with your left hand.

2- Insert the mixing tip of the Light Body silicone into the Hole opening of the tray. (Fig.17)



Fig.13

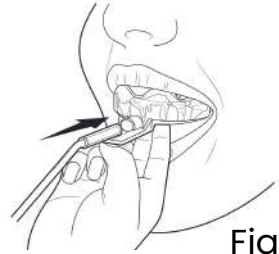


Fig.14

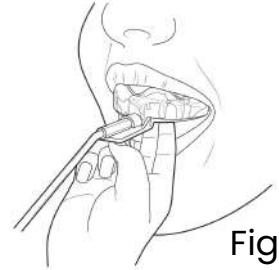


Fig.15

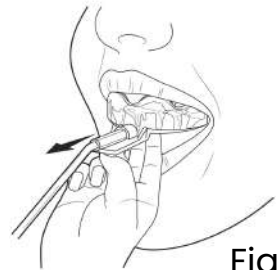


Fig.16

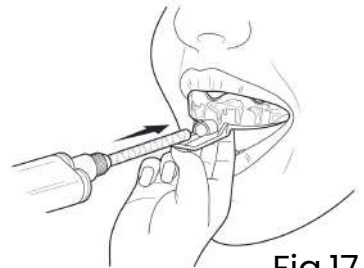


Fig.17

Step 9:

Inject the Light Body silicone into the tray until the silicone starts to appear at the edges of the impression tray. (Fig.18)

(maximum 5 injections when use full tray -3 injections when use partial tray)



Fig.18

Step 10:

When the Light Body appears at the tray border, immediately withdraw the mixing tip from the tray while holding the tray with your left hand. (Fig.19)



Fig.19

Step 11:

Remove the impression from the patient's mouth after setting the Light Body silicone. (Fig.20-21)

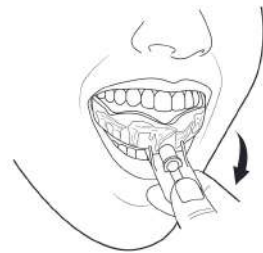


Fig.20



Fig.21

Important Note

- 1 – Puncher handle with Puncher tube
- 2 – Extra Puncher tube of silicon
- 3 – Hex Key
- 4– Trepine
- 5 – rubber tip for airspray
- 6 – Rafa-Dent Adhesive
(Fig.22-23)

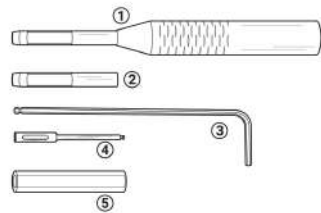


Fig.22



Fig.23

Information

-Rafa-tray offers solutions to dental silicone impression problems and difficulties that no other methods such as the conventional tray or Digital Scanner can provide.

-Rafa-tray gives you completely new advantages in terms of accuracy and speed. Additionally, the results achieved are truly impressive and meet the requirements for obtaining a correct dental silicone impression.

-By using Rafa-tray, we are sure that all teeth are completely isolated from oral fluids while we are taking the final impression and away from the range of tongue movement that could negatively impact the final results of the impression.

-By using Rafa-tray no need to use gingival retraction methods such as cords, paste or gel, or any other gingival retraction methods used in the conventional impression or impressions obtained by using intraoral Scanners.

-The advantages and the results that you will achieve by using Rafa-Tray are:

- 1 - No air bubbles, Voids or blood clots.
- 2 - No double layer impression.
- 3 - Eliminate patient discomfort and the gagging reflex caused by the prolonged time during taking the impressions either by the conventional tray or the digital intra oral scanner.
- 4 - The setting time of the light body impression material will start on all teeth at same time, thus eliminating any deformities that may occur as a result of uneven or early setting of the light body impression material during taking the impression in different injection areas.

5 - 100% no overlapping impression.

6 - Eliminate messiness and spottiness that could occur to the patient during taking the final impression, and ensures patient relaxation.

7 - the dentist can be sure that the initial impression and the impression tray are 100% correctly placed on the dental arch prior application of the final light body impression.

8 - Time saving, as it is considered the fastest way to take a dental impression.

9 - Does not require any special skills, the dentist needs to only follow the steps correctly.

10 - The consumption of the light body material is reduced by half compared to the conventional method, so Rafa-Tray is considered to be economical.

11 - In case of fluid and blood leakage around the prepared teeth, Rafa-tray gives more accurate details than the other impression methods. As it works by pressing mechanism. It will move away anything (liquids or blood) that could stop the light body impression material from entering around the prepared teeth.













12 - Rafa-tray is used with all kinds of silicone impression materials available in the market which are used in the double-step conventional trays.

13 - Rafa-tray can be used in both ways, either by Rafa-Dent technique, or even as a normal conventional tray.

14 - Rafa-tray is made of high quality, hard raw ABS material, to achieve an impression without any deformation, and can withstand all of the impression taking steps that it goes through (from the clinic till impression pouring in the lab).

15 - Rafa-tray offers this technology in several forms (12 tray set) that serve the dental impression process according to the area in which the impression will be taken, and according to the needs of the patient's condition.

-Please review our websites, and social media sites in order to obtain additional information, and watch educational and instructional videos for using Rafa-tray.

	CE Marking
	Non- sterile
	Consult instructions for use
	Protect from heat sources
	Use-by date
	Batch code
	Catalogue Number
	Single use
	Medical device
	Keep-dry
	Manufacturer
	Country of Manufacture
