

Q: What is a Digital Printed Denture?

A: A Digital Printed Denture is a dental prosthetic that is designed using computer-aided design (CAD) and 3D printing technology.

Q: How is a Digital Printed Denture made?

A: Here at Leixir, we use Carbon Printers and Lucitone Digital Print Resin materials to fabricate the denture. We can create digital dentures from either traditional impressions or with several different digital scanning protocols.

Q: What are the digital printed base shades?

A: Light, Light Reddish Pink, Original, Original Opaque, Dark Reddish Pink

Q: What type of bur do you use to adjust a Digital Denture?

A: To adjust a Digital Printed Denture, utilize the same bur that you use to adjust acrylic. A crosscut carbide for better surface finish is preferred, and same bur to polish that we use for acrylic. Zirconia acrylic burs work very well also and are the preferred in-lab adjustment method. Polishing dentures can be done using any silicone based 2 or 3 step polishing kits readily available in the market. The use of pumice and polish is also acceptable if that is available.

Q: How is a Digital Printed Denture relined? Will acrylic adhere?

A: You can reline a Digital Printed Denture manufactured from Lucitone Digital Print with regular acrylic. Acrylic adheres to this printed material. Heat/Cold cure Acrylic is opaque, and the appearance will look different. There will be a transition line. For a Soft reline it is recommended to use Dentsply soft reline material, which is a silicone based/injectable, soft reline material. Co-soft not best option because it will peel out.

Q: Can the Monolithic Try-in be scanned back to the lab?

A: The try-in can either be sent back to the lab or scanned back. Whichever is the doctor's preference.

Q: What is the best material to take a wash impression with?

A: Light/ medium body and border mold with heavy body

Q: How are repairs done on a Digital Denture?

A: For a simple repair or crack, the denture can be repaired with cold cure repair acrylic. If there is a significant break, it is better to reprint a new denture. *NOTE: Please confirm the lab still has the file before discarding the existing denture.

Q: How is a tooth repaired on a digital denture?

A:

1. If we have the original file we could reprint the denture (easiest)
2. Reprint the arch of teeth only and cut out the piece we need and do the repair.
3. We could use a denture tooth close to mold and repair it like we do now.
4. Scan the area and design a tooth to go in and print the tooth and repair.

** Quick, small repairs can be achieved with composite resin, when a bonding agent is used on the area first.

Q: Are Digital Dentures Hypo-Allergenic?

A: Not 100%. While digital dentures have a much lower incidence of allergic reactions, there is still a trace amount of monomer in the restoration that could lead to redness/irritation in the most susceptible of patients.