1. AvaDent/Lang Duplication Kit:
   • 1 Denture Duplicator Flask
   • 1 Jet Clear monomer Liquid 118 ml
   • 1 100 g Ortho-Jet Polymer Powder (white)
   • 1 Silicone Pump Spray 118mL
   • Measuring cups & Instructions for use

2. In addition to the AvaDent/Lang Duplicator Kit you will need:
   • Alginate, rubber mixing bowl, broad blade spatula, narrow cement blade, mixing cups, bur & disks

3. Spray inside flask with silicone spray.

4. Mix alginate according to manufacturer’s recommendations.

5. Completely fill lower side of flask with alginate.

6. Cover palate side of existing denture and all teeth with alginate.

7. Gently press existing denture into the alginate, palate side down, with teeth at 90% to bottom of the flask.

8. Gently smooth the surface of the alginate with a wet gloved finger tip and allow alginate to polymerize.

9. Trim any excess alginate from edges of the flask that may interfere with its closing completely.

10. Spray a thin coat of silicone over the surface of the flask, denture and alginate.

11. Mix a second batch of alginate and completely cover the remaining exposed surfaces of the denture and fill other side of the flask with alginate.

12. Gently close the flask allowing excess material to escape through vent holes and sides of the flask. Close latch on the flask and tighten latch screw.
13. Remove excess material from the outside of the flask and allow alginate to polymerize.

14. Open the flask and remove denture.

15. Prepare acrylic:
   • 14mL Monomer
   • 30mL Polymer
   • Incorporate polymer and monomer in a cup and mix slowly.

16. Pour acrylic into the impression over the teeth and other deep parts of impression on both sides of flask.

17. Close and lock the flask.

18. Allow acrylic to polymerize.
   • Placing the flask in a bath of hot water will accelerate the polymerization time.


20. Using scissors, cut away excess material.

21. Using a lab bur, trim remaining material and flash from new Reference Denture.

22. Compare finished AvaDent Reference Denture to existing denture.

23. Repeat this process for a Complete over Complete case.