Flexibility and Function with G&H Dental Arts

G&H Dental Arts, Inc. is a full-service laboratory dedicated to helping you grow your practice. We are your source for premium fixed/removable prosthesis. A successful fixed/removable prosthesis requires extensive planning and skillful execution. G&H's experienced technicians and technical staff have the necessary skills and training to achieve optimal results for this type of restoration.

Using nano-filled composite denture teeth, our fixed/removable prosthesis can withstand extensive occlusal wear and offer unmatched esthetics. With precision milled frames (in titanium or zirconia) from industry’s leaders such as Nobel Biocare™, Procera® and BIOMET 3i™, you can rest assured that you are offering your patients the finest fixed/removable prosthesis available.

This premium prosthesis provides the advantages of a removable prosthesis and allows your patient to enjoy all of the benefits of a fixed prosthesis.

• Beautiful esthetics
• Retrievable
• Light weight
• CAD/CAM precision fit
• High strength
• Titanium or zirconia
• Biocompatible
• Highest wearability available
• Affordable pricing

A fixed/removable prosthesis restores teeth, missing bone and gum tissue, and can be made with as few as four implants and as many as 14 implants, if necessary. G&H Dental Arts, Inc. can help you determine which type of prosthesis will suit your patient’s needs.

Give us a call at 800.548.3384 and let us help you plan your fixed/removable prosthesis case. We can assist every step of the way and work with you to ensure your patient is fully satisfied.
Pre Implant-Placement
1. Create Surgical Guide
Surgical guides provided by G&H Dental Laboratory ensure pinpoint placement for longevity and esthetically-pleasing implants. A complete arch surgical guide can be created before implant placement by one of two ways:

1. Making a clear duplicate of a patient’s existing denture, or
2. Starting a new denture and taking it to try-in stage, then duplicating the try-in in clear acrylic.
3. This can be saved and used as a guide for the final prosthesis after implant integration has occurred.

This guide can also be altered and used as a radiographic guide for CT scans in preparation for implant surgery. G&H provides radiographic guides and prosthesis for guided surgery, including NobelGuide™ from Nobel™ Biocare™, Facilitate™ from Astra Tech, and Navigator™ from Biomet 3i™.

After Implant Integration
2. Take Fixture-Level Impression
Take a full arch fixture-level impression, an impression of opposing dentition and a bite if possible. Send these materials to G&H Dental Arts with x-rays confirming that the impression copings were fully seated on implants. A master model is created using a two-step pouring technique to ensure model accuracy.

3. Verification Index Fabricated Based on Impression and X-ray
G&H will fabricate the verification index, custom tray and screw-retained bite block.

4. Placement of Verification Index and Take of Final Impression
Take a bite registration with screw-retained bite block and modify wax as needed. The verification index is tried in patient’s mouth, and an x-ray is taken to confirm complete seating. If the index does not seat passively, section the frame and reduralay pattern back together. Use the enclosed custom tray and long guide screws to take a new open tray pick-up impressions. G&H Dental Arts will create a new master model.

5. Teeth Try-in
G&H Dental Arts will set up denture teeth and prepare for try-in. If a try-in was done previously for the surgical guide, this step may be avoided and fabrication of the framework can begin. Otherwise, the teeth try-in is needed and verification index is prepared for a second try-in. It is important that it seats passively.

6. Verify Implant Placement and Try-In of Denture Set Up
After the exact bite is determine and set-up is confirmed, the dentist can remove the denture flange to make final determination if the patient is a candidate for a fixed/removable denture. If lip support is not sufficient, an overdenture might be the best option.

7. Final Prosthesis Processed
Once final try-in is approved by the doctor and patient, the final hybrid denture will be processed. This includes making a silicone matrix from teeth set-up, designing and milling of the titanium or zirconia frame, and the transfer of denture teeth to frame in preparation for final teeth try-in.

8. Final Try-In and Adjustments
Once the frame is completed, the milled frame and denture set-up is tried in. The frame should fit passively. Any modifications of the teeth setup, including final bite registration, should be made now, as this is the last chance to make minor adjustments.

9. Finishing Touches
Final modifications will be made to the prosthesis and processing takes place. Acrylic tinting/staining is available upon request. Your finished fixed/removable hybrid denture is complete.