

LAB APPLIANCE FABRICATION REQUIREMENTS ELASTODONTICS AND POSITIONER

General Guidelines

Prescriptions

Please provide complete and signed Rx with every case.

Impressions

- Accurate impressions with any kind of impression material are acceptable.
- Impressions must adequately reflect **all relevant** anatomy.
- Impression material **must not** be separating from the impression tray.
- Consider pouring your models right away if your impressions are moisture, temperature or time sensitive.
- Impressions sensitive to moisture content should be wrapped in a damp paper towel and placed in a sealed plastic bag if models are not poured immediately.
- Only metal impression trays and those with PVS impression material will be returned.

Models

- Plaster or stone models are acceptable. Generally, the durability of the stone is preferred.
- Models should be reasonably trimmed, yet sufficiently thick for strength considerations.
- No horse shoe shaped models; all models should have bases of at least 7mm in the thinnest area.
- Bases will be added as necessary, for an additional fee, to the models without bases or lacking adequate base thickness or strength.
- Please indicate if your model must be duplicated, as work models may get damaged during appliance fabrication process.

Bite Records

- Please package bite registrations carefully.
- Bite records **must not** be left between models for shipment to the lab.
- Dedicated packaging should be considered for brittle materials such as Delar wax.
- Please identify the nature and the intent of each bite record, if more than one is being supplied.
- Please consider mounting the maxillary model, before sending it to the lab, for those cases requiring mounting. Sending such items as face bows, bite forks and mounting jigs through the mail often results in unreliable mountings.

Articulators

We use following articulators and their accessories in our laboratory:

- | | |
|-----------------------|---------------|
| • SAM 1, SAM 2, SAM 3 | • Hanau |
| • Danar | • Stratos 200 |
| • Panadent | • Artex |
| • Whip-Mix | • Kavo |

**Please consider that fully mounted models may not transfer perfectly from your articulator to the one in the lab.

Materials and Components

- (*)Biocryl resin - Cold Cure Acrylic - MMA (Methyl methacrylate)
- Clear Biocryl – Thermo formable PETG (Polyethylene terephthalate glycol)
- Colored/patterned Biocryl – Thermo formable PVC (Polyvinyl chloride)
- Splint Biocryl – Thermo formable PETG.
- Triad ® (Visible Light Cure)
- Mouthguard material – Thermo formable EVA (Ethylene vinyl acetate)
- (*)Duraloy – Cobalt/Chromium alloy
- (*)Stainless steel – Chromium/Nickel alloy
- (*)NiTi - Nickel Titanium alloy
- TMA – Titanium/Molybdenum alloy
- Menzanium – Nickel-free stainless alloy
- (*)Silver solder

(*) material is potentially allergy causing in sensitive patients

Positioner

Technical requirements

- Upper and lower models required.
- Bite registration is recommended.
- Stone models are preferred.
- Mounted models are preferred.

Default materials

- Mouthguard material

Practical considerations

- If impressions are taken over bracketed arches, the arch wires must be removed during impression taking.
- Bite registrations are taken in either Centric Relation or Centric Occlusion.
- Consider mounting just the maxillary model.
 - We will complete the mounting of the lower model to your bite record or to centric occlusion using our instruments.
- Consider not sending face bows or transfer jigs.
 - These do not travel well.
- Consider providing a cephalometric x-ray or tracing if models are not mounted.
- Provide detailed description of desired corrections.
- Case must be close enough to ideal for the positioner to succeed.
 - 1 – 2 mm of movement per tooth is the extent of appliance capability.
- Consider patient's compliance.

Elastodontic

Technical requirements

- Upper and lower models required.
- Bite registration is recommended.
- Stone models are preferred.
- Mounted models are preferred.

Default materials

- Medical Grade Silicone

Practical considerations

- If impressions are taken over bracketed arches, the arch wires must be removed during impression taking.
- Bite registrations are taken in either Centric Relation or Centric Occlusion.
- Consider mounting just the maxillary model.
 - We will complete the mounting of the lower model to your bite record or to centric occlusion using our instruments.
- Consider not sending face bows or transfer jigs.
 - These do not travel well.
- Provide detailed description of desired corrections.
- Case must be close enough to ideal for the Elastodontic appliance to succeed.
 - 2 – 3 mm of movement per tooth is the extent of the appliance capability.
- Consider patient's compliance.