

# DAL ESTHETIC RENDITION

## TECH SHEET

### PREMIUM REMOVABLE PROSTHETICS

#### A New Definition of Cosmetic Removable Rehabilitation

In addition to our premium line of removable prosthetics, DAL is proud to introduce our newest line of esthetic rehabilitations...Esthetic Rendition. Each DAL Esthetic Rendition full, partial and implant rehabilitation features our Esthetic Rendition Tissue Process®, a life-like gingival margin and soft tissue rendition that compliments the highly individualized premium denture tooth arrangement based on your initial patient records and the anatomic landmark information these records denote. Our goal is simple - to provide your patient with a removable prosthesis that is indistinguishable from both natural dentition and the beauty of a cosmetic smile.

#### DAL ESTHETIC RENDITION FULL DENTURE

We understand that each patient's situation is unique. Consequently, we take great pride in establishing highly individualized tooth arrangements with each DAL Esthetic Rendition tooth setup to create a natural, functionally correct, highly esthetic smile. Based on your initial patient records, anterior tooth selection and tooth arrangements are evolved to fit the patient's gender, age and personality. Posterior arrangements are based on your preferences for occlusion and the patient's diagnostic/clinical findings. Each case is waxed to simulate natural soft tissue replacement with proper inter-dental papillae design, root eminences, buccinator support where needed, and natural rugae replication in the palate.

#### DAL ESTHETIC RENDITION PARTIAL DENTURE

Fabricated using premium Vitallium® 2000 Plus alloy, each Esthetic Rendition partial is cast with a precise, delicate design element to provide the most esthetic and comfortable experience for your patients. DAL is a Certified Equipoise™ System Laboratory providing you with the unique back-action clasp design that preserves abutment teeth while eliminating unsightly clasps on the buccal or labial surfaces. Each case is processed and finished with our Esthetic Rendition Tissue Process to provide natural soft tissue simulation.

#### DAL ESTHETIC RENDITION VALPLAST PARTIAL DENTURE

Valplast® is a pressure-injected, flexible denture base that is ideal for esthetic metal-free partial dentures and combination Valplast/Vitallium 2000 Plus partial dentures. Lightweight, practically invisible, and wonderfully comfortable, Valplast is a biocompatible nylon thermoplastic that has been pleasing denture patients for over fifty years. Each case is processed and finished with our DAL Esthetic Rendition Tissue Process to ensure maximum esthetics.

Call 1.800.227.4142 to request  
DAL Esthetic Rendition work  
orders for your next case.



DAL ESTHETIC RENDITION  
FULL DENTURE

#### ANTERIOR ARRANGEMENTS



Straight - Slight elevations, no rotation  
(Hollywood smile)



Lightly Characterized - Slight elevations,  
some rotation



Vigorously Characterized - Moderate  
elevations, moderate rotation & lapping

**CONTENT PROVIDED BY:**



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**GUIDELINES FOR QUALITY PATIENT RECORDS IN REMOVABLE PROSTHODONTICS**

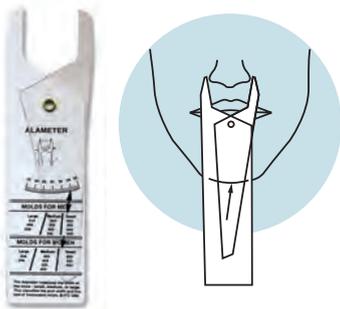
The building of exquisite rehabilitations is finally moving in the right direction. Since they are "prostheses" (artificial devices replacing natural tissues), they must be made for the patient and not for the dentist or for the prosthetic technician. That is, the records appointment must record information about everyday facial and intra-oral movements such that the prosthesis does not interfere in any way with these movements. In the past, dentists and prosthetic technicians set the teeth where they have been taught to set them without any regard to the patient's muscular movements in the perimeter areas adjacent to the denture. In addition, the tissue character and tissue mobility have not been considered during the impressing appointment. However, now we can properly impression all intra-oral conditions with new polymer chemistry found in Polyvinylsiloxine (PVS) materials available in multiple viscosities.

**QUALITY PATIENT RECORDS**

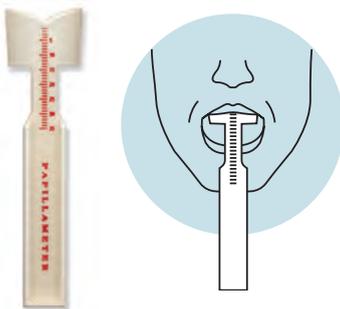
The prosthetic technician is unable to provide the optimum wax setup for your patient unless you have provided him/her with quality patient record information.

**CLINICAL RECORD TOOLS AVAILABLE FROM DAL**

The Alameter, Papillameter and Massad Intra-Oral Establisher can be purchased through DAL. Call us at 1.800.227.4142 to order.



**The Alameter Reading** measures the width of the nose for mold selection and for proper (width of the arch) bite rim formation. Simply record this measurement on the prescription.



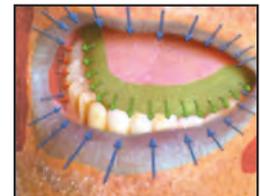
**The Papillameter Reading** measures the length of the upper lip at rest position. The Papillameter should be positioned on the patient's ridge and held vertical to the floor with the patient standing. Simply record the measurement of the upper lip in the rest position on the prescription.

**ECB (Esthetic Control Base Record):** The ECB and the shaping and markings placed on this wax rim (resting lip, mid line, high smile line, inter-ala and inter-canthus readings) are key to the success of the maxillary denture setup. Buccal corridors are established and proper horizontal and anterior-posterior orientation of the plane of occlusion are also confirmed.



**Facebow Record:** The purpose of the facebow record is to be able to mount the maxillary master cast on the proper arc of closure. This allows changes in occlusal vertical dimension (OVD) without having to take a new centric record.

**Mandibular Neutral Zone Record:** A physiologic, patient-generated record is obtained wherein the patient's facial and tongue musculature determines the corridor ideally suited to position the denture teeth for the mandibular arch. "Zoning" the mandibular denture becomes more important in Class III and Class IV ridges where there is virtually little to no ridge left.



**Horizontal/Vertical Centric Bite Record:** The "bite" and "vertical dimension of occlusion" have been a mystery to many dentists for years. This is especially true when there are not only no more teeth, but when the alveolar ridges have deteriorated to the extent that there is no more ridge and the vertical dimension of the existing prosthesis is grossly over-closed. Using the Massad Intra-Oral Establisher (or a Pin Tracer), the patient is instructed to generate the centric bite record to be used for mounting the mandibular master cast. The use of a central bearing device allows for a very accurate jaw relationship reproduction in the laboratory.



**DAL** **DENTAL ARTS LABORATORIES, INC.**  
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