CAST PARTIALS

Computerized Cast Partial Design

Clear, Graphic Communication

In the past, the very nature of cast partial design forced dentists and technicians to communicate through various combinations of verbal instructions, cryptic notes and hand-drawn diagrams. All too often, the result was misunderstandings, errors and omissions in the final case and dissatisfaction from all concerned.

Now, with Aurum Ceramic/Classic's exclusive interactive computerized design system, clear communication between dentist and technician is easily accomplished. Unlike "catalogue" programs that merely list completed designs, the Aurum Ceramic/Classic system maintains a library of all the various components (i.e., teeth, clasps, rests, connectors and crowns) needed to complete a custom prosthesis. In addition, the Aurum Ceramic/Classic technician can specify tooth condition, crown and clasp type as well as various courses of action (tooth extraction; placement of crowns and bridges; insertion of clasps, rests and connectors). In fact, the system provides for up to 15,000 different partial designs per arch.

All that is required is a regular prescription form specifying:

- the morphology of existing teeth
- whether a regular or hidden clasp frame is desired
- any factor that is out of the ordinary with the case
- the practitioner's personal preferences (e.g., particular type of palatal connectors)

Upper Arch

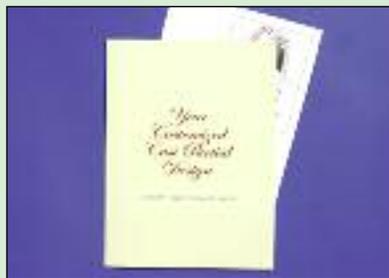**Lower Arch**

VITALLIUM® 2000
VITALLIUM® 2000PLUS

Design and Customized Concepts

Automatically Applies Proper Design Concepts & Principles

The patient's current situation is displayed on the screen and accessory items are inserted as necessary. The system applies one of three common clinical methodologies (Stress Broken, Semi-Rigid or Mixed Technique) and creates a recommended design taking every possible configuration of the missing teeth into account.

Completely Customized Design – Fast and Accurate

Full colour plots of design alternatives are generated for practitioner consideration and approval before the final impression is taken. Agreed upon case design, preparations, etc. are all clearly indicated saving valuable chairtime at insertion. Design re-access and modification can be quickly accomplished. The same plots also make excellent patient education tools!

Features and Benefits

- Completely customized computer-generated cast partial designs.
- Applies one of Stress Broken, Semi-Rigid or Mixed Technique methodologies.
- Maintains library of all components required to create prosthesis.
- Can also specify tooth condition, crown, clasp type, various courses of action and materials.
- Automatically creates a recommended design taking every possible configuration of teeth into account.
- Generates full colour plots of design alternatives for practitioner consideration and approval.
- Also excellent patient education tool to explain proposed treatment.
- All final designs stored on the system.