

Clear Graphic Communication . . . Great Practice Builder

Computerized Cast Partial Design



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Computer-aided design has been extensively utilized in the dental industry for many years, particularly in the production of crowns and bridges. These techniques are every bit as applicable in the design of cast partial removable prostheses.

Clear communication is a critical part of any successful restoration. 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 computerized Cast Partial Design System, vastly improved communication can be easily accomplished.

Completely Customized Designs

Unlike catalogue systems 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 create a custom prosthesis. The patient's current situation (i.e., missing teeth) is displayed on the computer screen at Aurum Ceramic/Classic. The technician specifies tooth condition, crown and clasp type as well as various courses of action (e.g., tooth extraction; insertion of clasps, rests and connectors) and then inserts accessory items, such as crowns or bridges, as necessary. The



Patient: John Smith
Cast Partial Design

computer automatically 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. This design can be further customized by modifying the clasps, crowns, etc.

Clear Visual Communication

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. Completed designs can be emailed to the dentist office for colour

printouts there or sent as hard copies from the laboratory. As the system stores all designs, re-access and modification is easy. The same plots can be used to explain proposed treatment plans to the patient, making them an excellent patient education tool.

By employing this systematic approach, you can view different possible design concepts, decide on the best approach and save valuable chairtime throughout the process right up to insertion. The skilled, experienced Cast Partial Team at your closest Aurum Ceramic/Classic laboratory is always ready to assist you in creating the best design for each individual case situation.