

## **Strength And Precision: Hallmarks Of All Great Structures.**

### *CAM StructSURE™ Precision Milled Bars*



- **CAD/CAM Precision**
- **No Capital Investment**
- **No Waxing And Casting**
- **Passive Fit Without Laser Weld Or Solder Joints**
- **Available For Most Implant Systems**

CAD/CAM Patient Specific Restorations® are the future of restorative dentistry and **3i's** ARCHITECH PSR® Family Of Products is leading the way with CAM StructSURE Precision Milled Bars. This leading-edge technology advances superstructures by offering simpler laboratory procedures for overdenture and fixed hybrid prostheses. With precision difficult to match with conventional laboratory techniques, a CAM StructSURE Precision Milled Bar is a one-piece milled titanium alloy structure with a passive fit. This eliminates the potential for

weakness that may be caused by soldering or laser welded joints. The result is a more durable, passive restoration with fewer procedures. CAM StructSURE Precision Milled Bars—the foundations for great restorations.

Contact **3i** at 1-800-342-5454 or visit [www.3i-online.com](http://www.3i-online.com) and find out more about CAM Structure Precision Milled Bars.



## Case Study

Courtesy Of Carl Drago, DMD, LaCrosse, WI And Northshore Dental Laboratory, Lynn, MA



1. Eight implants are placed in the mandible for a fixed restoration.



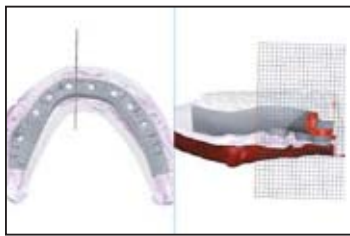
2. An implant level impression is made and a soft-tissue master cast is poured.



3. The verification index is fabricated on the cast by luting the impression copings together with a low expansion resin. If the index does not seat passively, it may be sectioned and luted in the correct position intraorally.



4. After the soft tissue cast is verified for accuracy, the occlusal records are made, casts are articulated and the lower teeth are set and returned for the wax try-in.



5. After wax try-in verification, the case is sent to 3i for the bar fabrication. The cast and wax try-in are scanned into the computer. The bar is designed in CAD software on the virtual cast according to the specifications of the work order.



6. The design is transferred to the milling machine and the bar is milled from a solid block of titanium alloy. The CAM StructSURE™ Bar is milled with a raised lingual for retention of the denture teeth and acrylic resin. The finished CAM StructSURE Fixed-Hybrid is returned to the laboratory.



7. The CAM StructSURE Precision Milled Bar is sent to the clinician for the final try-in. Once verified, the bar is returned to the laboratory where it is opaqued and then the teeth are processed onto the bar using acrylic resin. The prosthesis is finished, polished and returned to the clinician.



8. The healing abutments are removed from the implants. The fixed-hybrid prosthesis is placed onto the implants and secured using hexed Gold-Tite® Abutment Screws torqued to 20Ncm.



9. The occlusion is adjusted as necessary. A protective material is placed over the screw heads, the access holes are sealed with composite and polished. The patient is instructed on proper oral hygiene of the prosthesis.

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