CAD/CAM abutments and implant bars on demand with NobelProcera Services

By Nobel Biocare

Growth is the trend in the dental implant market, and there is little sign of it slowing in the years ahead. As a result, dental laboratories that can provide high-quality abutments, implant crowns and implant bars will be increasingly in demand. However, ramping up production of either component can require significant investments in equipment, time and staff training that many labs simply cannot afford. That is where NobelProcera Scan and Design Services can help.

Send a case, receive precision-fit abutments and implant crowns

Previously only available for ordering implant bars, labs can now streamline their workload and expand their offering of abutments and implant crowns by outsourcing scan, design and production to NobelProcera. The process is simple. Using the online form, the lab uploads a 3Shape or NobelProcera digital scan file, enters their design specifications and sends their request in a click.

Just about any requirement can be met. Not only can labs create abutments and crowns for all Nobel Biocare implants, but for other major implant systems too. The choice is there for titanium or zirconia in different shades, abutments with cement-retained copings or a screw-retained approach for direct veneering, as well as innovative solutions such as the angulated screw channel abutment available in zirconia for conical connection implants.

With the order sent directly to the expert NobelProcera production facility, a team of skilled CAD designers creates a design and shares a 3-D visualisation for the lab to approve. When the lab is happy, the precision-fit abutments and implant crowns are precision-manufactured, quality checked and dispatched back to the lab.

Send a model, receive unrivalled bars

Already an established feature of the service, labs can order market-leading NobelProcera Implant Bars by preparing the case materials as normal, noting the details of the case on a short accompanying form, before sending it to be scanned and designed by NobelProcera’s team of skilled technicians.

The Scan and Design Service covers an extensive range of over 170 implant platforms. And, as NobelProcera produces implant bars only from solid blocks of titanium alloy for surgical applications, potential weaknesses relating to soldering or laser welding are avoided.
High-precision production just a click away

NobelProcera CAD/CAM prosthetics are produced at a state-of-the-art facility in Mahwah, USA, manufactured in accordance with the ISO 13485 and 21 CFR Part 820 quality management systems, the output quality of every prosthetic is monitored. This results in products demonstrating high precision of fit\(^3, 4\), mechanical stability\(^5\) and years of safe and reliable performance.\(^6 - 9\)

The Nobel Biocare interface is also designed for a precise fit between abutment and implant. Although not always visible to the naked eye, use of third-party components not designed and tested for the system can result in uncontrolled forces, and may cause individual components or even the entire system to fail. Choosing implant restorations that are designed, tested and proven as a complete system can avoid future complications.

Outsource means opportunity

In a matter of days, the precisely manufactured abutment or implant bar is shipped to the lab with a material authenticity certificate and a five-year product warranty. By offering unrivaled results and removing the need for expensive investments, NobelProcera’s Scan and Design Service lets labs take requests for high-quality abutments and implant bars that they might otherwise be unable to process. In other words, it gives labs the flexibility to take opportunities that they cannot afford to miss.\(^*\)

* Some products may not be regulatory cleared/released for sale in all markets. Please contact the local Nobel Biocare sales office for current product assortment and availability. nobelbiocare.com/nobelproceraservices

Editorial note: A list of references is available from the publisher.

Fig. 3: Use a simple online order form to send your abutment scan files to NobelProcera’s skilled CAD designers. – Figs. 4a & b: NobelProcera’s centralised milling systems (a) consistently provide precision-fit implant crowns in monolithic zirconia and abutments in titanium as well as passive-fitting implant bars (b).