

Product brochure



NobelProcera®

RESTORATIONS &
manufacturing

The power OF CONFIDENCE



Premium

CAD/CAM
manufacturing facility

High-quality

individualized
solutions

Global

production in
US and Japan

Diverse

workforce with over
20 languages

Individualized

restorations designed
for precision fit

NobelProcera®

is a premium solution portfolio that provides individualized, high-end, implant-based restorations and services. We strive to give our customers an easy, straightforward path to high-quality prosthetic solutions.

The **NobelProcera** team is passionately developing innovations for the clinician and dental lab technician of the future to provide efficient, predictable and successful treatments.

30+ years' experience

Worldwide
distribution serving
60+ countries

Pioneer
in premium
individualized solutions

Convenient
paths to access
our products

Meticulously
crafted esthetic
beauty

**Ask your
lab for**

NobelProcera®

**authentic
restorations**

Premium

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Individualized

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Why should I demand NobelProcera® restorations?

Because you want an esthetic and truly individualized solution for your patient.

Although not always visible to the naked eye, clone or non-original abutments have considerable differences in their physical and mechanical characteristics. Use of third-party components not designed and tested for the system can result in uncontrolled forces, and may cause individual components or the entire system to fail.^{1,2}

Partnering with us can help you avoid these possible complications by choosing implant restorations that are designed, tested and proven as a complete system.

We guarantee quality and provide easy access to authentication for each and every custom restoration.*

* NobelProcera restorations are backed by a comprehensive warranty. For details see warranty program at nobelbiocare.com/warranty.

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Convenient
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our products

Meticulously
crafted esthetic
beauty

**NobelProcera®
manufacturing
facilitates a
simplified workflow
for clinicians
and technicians.**

Always finalize with confidence. Always demand authentic NobelProcera restorations.



Clinician



Send impression
standard or digital

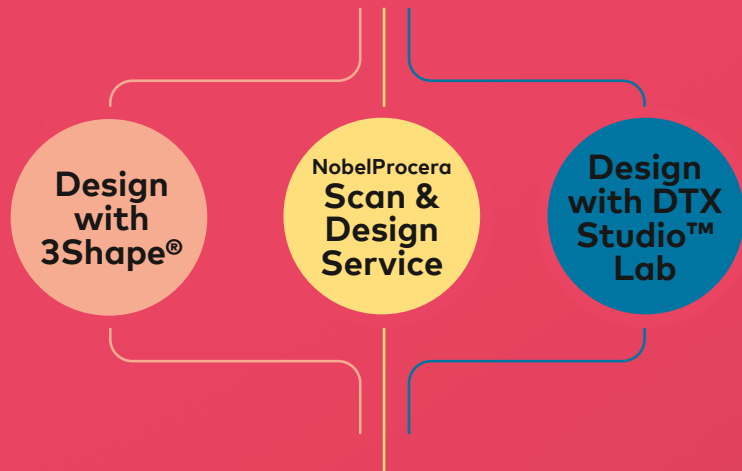
Ask your dental lab for
NobelProcera®
authentic restorations

Paths to NobelProcera

Design with your 3Shape Dental System™, produce with NobelProcera

Outsource the design and production process to our experienced lab professionals

Design with DTX Studio Lab, produce with NobelProcera



Why NobelProcera centralized manufacturing?

Because the precise fit between abutment, implant and screw, combined with quality manufacturing helps to avoid system or component failure.²⁻⁴ All NobelProcera implant-based components are engineered as part of a whole system, not just individual parts.



NobelProcera
centralized manufacturing

All authentic NobelProcera restorations come with a 5-year certified warranty, certification of authenticity and access to our authentication tool



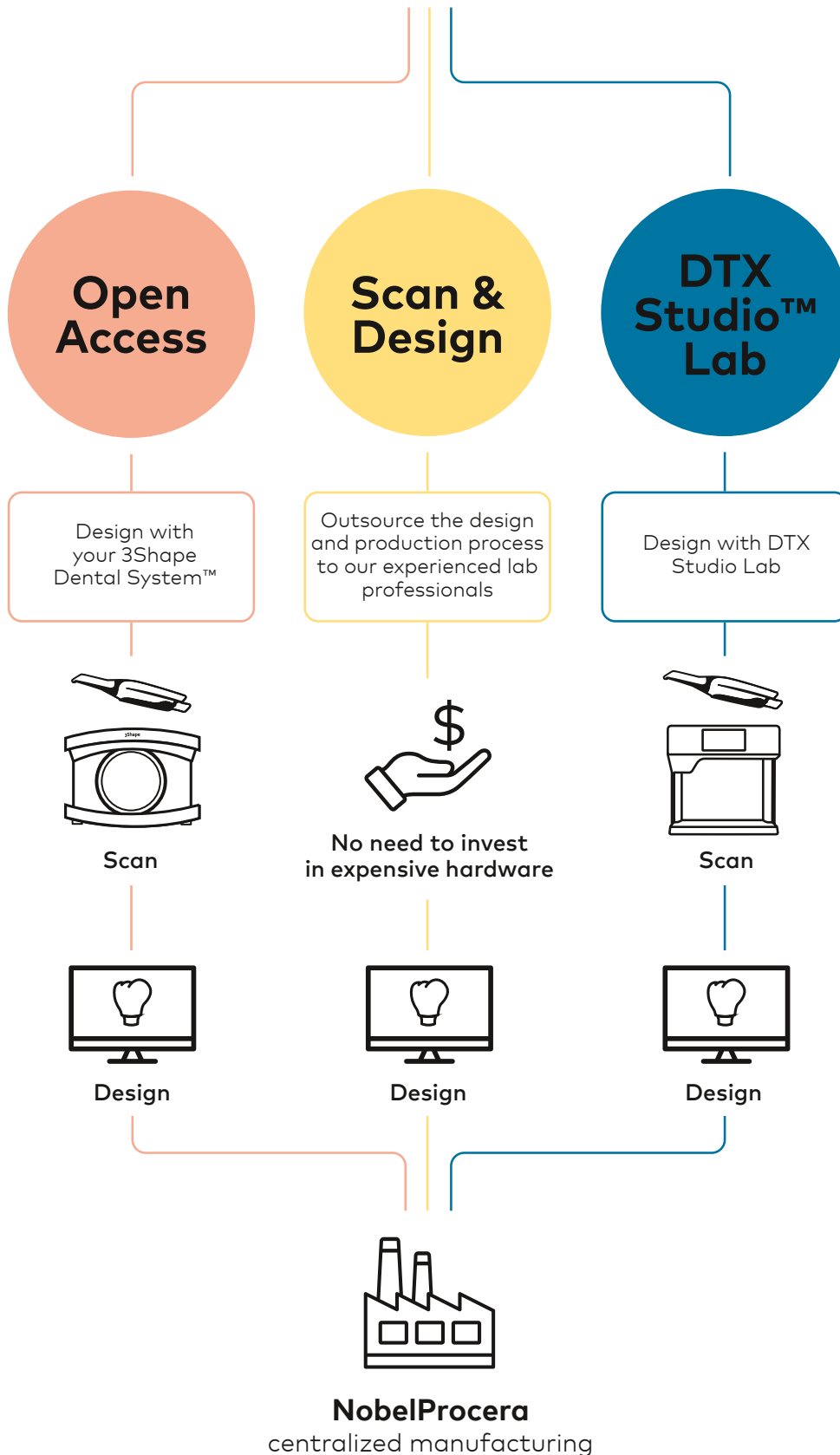
Receive
final restoration

The NobelProcera® workflow

We strive to give our customers a straightforward path to the premium, high-quality restorative solutions and services we provide.

NobelProcera services are offered through different channels: our DTX Studio™ ecosystem, our OpenAccess partnership with 3Shape® and through our in-house Scan and Design services.

Ask your dental lab for
NobelProcera®
authentic restoration



Precision fit

between abutment, implant and clinical screw leads to a strong connection, designed to preserve peri-implant hard and soft tissue health.^{2,5}



Angulated screw channel (ASC)

Gain easy access to the restoration when vertical space is limited while enabling an optimized occlusal function. With the ASC you have the option to angulate the screw channel up to 25° in any direction. It provides more restorative flexibility independent of the implant position.

High mechanical strength

The internal conical connection with hexagonal interlocking offers high mechanical strength. This helps to ensure the necessary stability of the restoration for a predictable result.

Abutment remains in position

NobelProcera abutments have a low risk of screw-loosening⁸ and need for re-tightening.

Cement free

A completely cement-free solution. Eliminate the risk of excess cement.^{6,7}

NobelProcera®

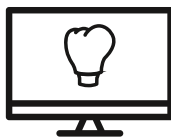
OpenAccess

Design with 3Shape®
Produce with NobelProcera

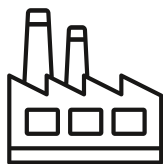
OpenAccess



Input from
NobelProcera
validated IOS or
desktop scanners



3Shape® design
software



NobelProcera
centralized
manufacturing





Access precision-manufactured NobelProcera® restorations with your 3Shape Dental System™.

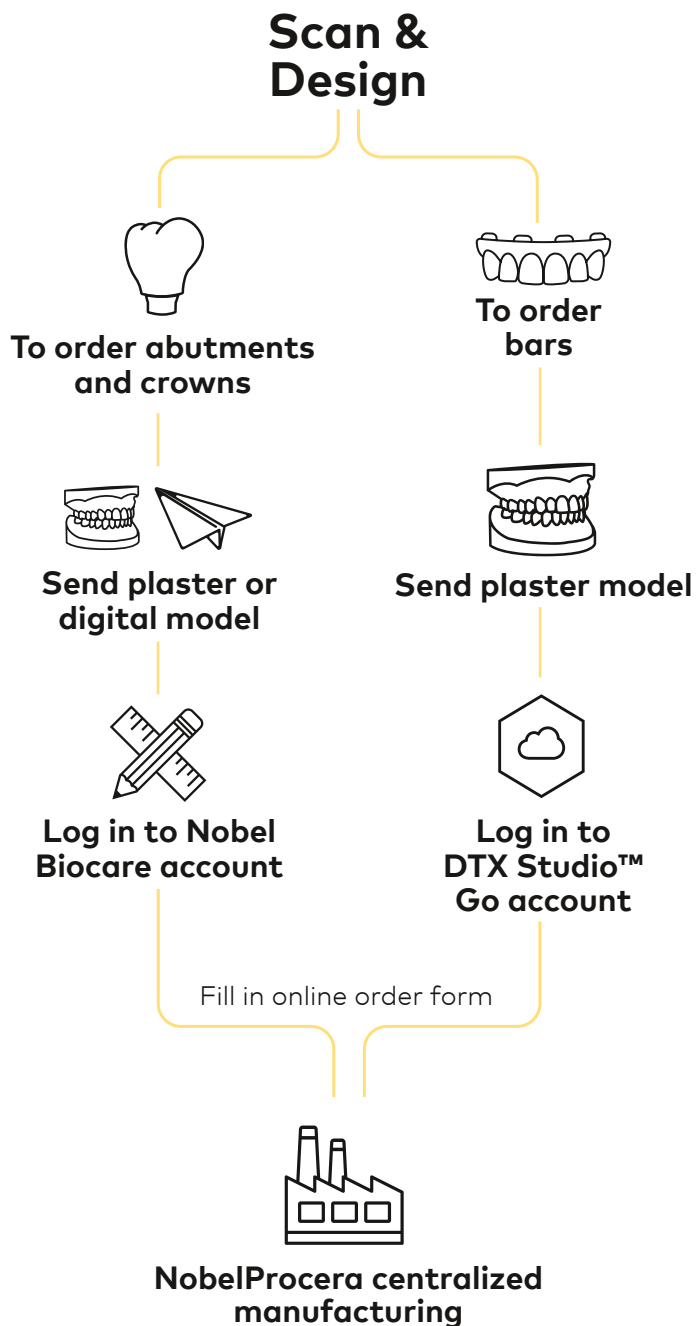
The NobelProcera production workflow has been validated for customers using a 3Shape Dental System™. Using this digital workflow is easier than ever to access our high-quality, precision-engineered abutments, implant crowns and bridges. You can be confident that this will help to build your lab's reputation with the esthetics of NobelProcera original components.

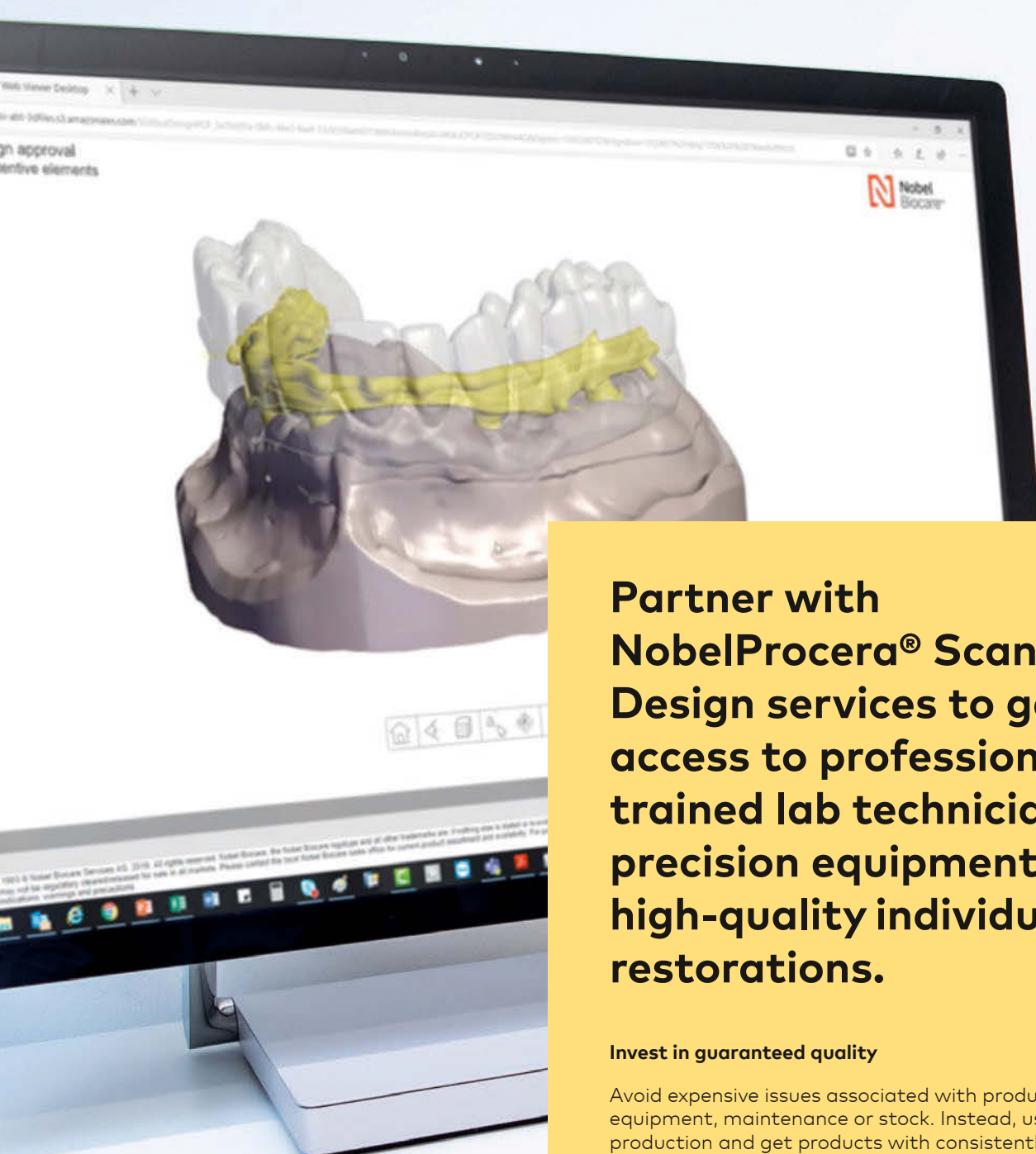


Visit nobelprocera.com/openaccess to quickly and easily register and download the relevant DME files

NobelProcera® Scan & Design services

Outsource design and production for
implant bars, crowns and abutments.





Partner with NobelProcera® Scan & Design services to gain access to professionally trained lab technicians, precision equipment and high-quality individualized restorations.

Invest in guaranteed quality

Avoid expensive issues associated with production equipment, maintenance or stock. Instead, use our production and get products with consistently high quality and precision of fit.

Save time and build your business

Save time by making your restoration orders easily online using our fully digital ordering process. The wide selection of supported implant platforms provides you with the restorative components for almost any case, quickly and efficiently, to improve your patient flow.

Make life easy with outsourcing

Our team of experienced experts are there to do the work for you, take on the design risks and to answer any questions you have along the way.



Visit [nobelbiocare.com/services](https://www.nobelbiocare.com/services) for more information

DTX Studio™ Lab

Open design workflows for maximum business impact



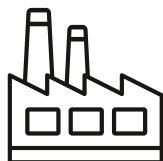
DTX
STUDIO



Input from
NobelProcera
validated IOS or
desktop scanners



DTX Studio
Lab software



NobelProcera
centralized
manufacturing



ORM
any LHM
etc.

Handwritten signature
Emilsson

Layer	Color	Material
Layer 1	Blue	Aluminum
Layer 2	Green	Aluminum
Layer 3	Grey	Aluminum
Layer 4	Blue	Aluminum
Layer 5	Green	Aluminum
Layer 6	Blue	Aluminum
Layer 7	Blue	Aluminum
Layer 8	Blue	Aluminum
Layer 9	Blue	Aluminum
Layer 10	Blue	Aluminum

Printed document with technical specifications and a table.



Creating outstanding restorations just got simpler.

With DTX Studio suite software, it's simple to connect to our trusted NobelProcera production and access its full portfolio, backed by a five-year warranty.

DTX Studio Lab software has rigorously undergone years of integration and end-to-end validation into NobelProcera production. Combine it with our 510k cleared DTX Studio software and you have the perfect pairing, giving you and your clinicians the confidence to focus on patient care.

DTX Studio – connecting treatment from beginning to end.



Learn more at dtxstudio.com



NobelProcera®
restorations
**product
portfolio**

NobelProcera®

crowns & bridges



**Multi-layered translucent zirconia
enables faster finalization**

**Full-contour design reduces the risk of
veneer chipping, remakes and stress**

**Fully shaded zirconia maintains its
color even after adjustments**

Great occlusal detail and surface finish

Cementation on teeth or abutments

NobelProcera®

Implant
**crowns &
abutments**



Abutments are available in
zirconia and titanium materials

Implant crowns and abutments come
with patented angulated-screw
channel solutions

Available with full-contour, partial
cut-back and individualized designs

NobelProcera®

Implant crowns and abutments



	Implant abutments				Implant crown
Description/features	Individualized titanium abutment	Individualized zirconia abutment	Individualized zirconia abutment – Mechanically retained adapter	Individualized zirconia abutment – Mechanically retained adapter – Angulated screw channel 0-25°	Full-contour/cut back zirconia implant crown – Mechanically retained adapter – Angulated screw channel 0-25°
Tooth replacement options	Single tooth	Single tooth	Single tooth	Single tooth	Single tooth
Available shades	Titanium 	Zirconia White Light Medium Intense	Zirconia White Light Medium Intense	Zirconia White Light Medium Intense	Full-contour zirconia S0 S1 S2 S3 S4 S5 S6 S7

Nobel Biocare implant systems

Platform					
Internal conical connection	3.0	●			
	NP, RP	●	●	●	●
	WP	●		●	●
Internal tri-channel connection	NP, RP, WP, 6.0	●		●	
External hex connection	NP, RP, WP	●	●		



Implant bridges

Angulated-screw channel feature provides the ability to place screw access hole to achieve esthetics and occlusal function

100% cement-free screw-retained zirconia with our patented angulated-screw channel adapter

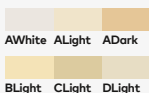
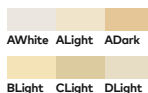
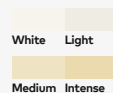

Available in full-contour, partial cut-back or framework

NobelProcera implant bridges minimize the risk of cracking and chipping due to their precision fit ⁹

NobelProcera®

Implant bridges



Description/Features All NobelProcera bridges can be manufactured with a combination of platform connections	Full-contour/cut back HTML zirconia implant bridge – Mechanically retained adapter – Angulated screw channel 0-25°	Full-contour/cut back HTML zirconia implant bridge	Zirconia implant bridge framework	Titanium implant bridge framework
Tooth replacement options	2-5 units	2-5 units	2-14 units	2-14 units
Available shades	HTML zirconia 	HTML zirconia 	Zirconia 	Titanium 

Nobel Biocare implant systems

Platform

Internal conical connection 3.0				
NP, RP	●		●	●
WP	●		●	●
Internal tri-channel connection		●	●	●
External hex connection		●	●	●
Abutment connection MUA		●	●	●



Implant bars

Available in a broad range of fixed and fixed-removable implant bars for a wide variety of clinical situations and attachments

Available for Nobel Biocare and third-party implants, on multi-unit abutments or a combination of both

Designed to provide stability and comfort

Deliver a precision of fit superior to that of conventional casting processes

NobelProcera®

Implant bars



Description/features	Titanium fixed implant bars.	Titanium fixed-removable implant bars.
Tooth replacement options	2 – 14 units	2 – 14 units
Available shades	Titanium 	Titanium

Nobel Biocare implant systems

Platform				
Internal conical connection	3.0			
	NP, RP		●	●
	WP		●	●
Internal tri-channel connection	NP, RP, WP, 6.0		●	●
External hex connection	NP, RP, WP		●	●
Abutment connection MUA	NP, RP, WP		●	●

Example of other implant systems







Straumann® Bone Level		● * †	● * †
Straumann® Standard/Standard Plus		● * †	● * †
Astra Tech Implant System™		● * †	● * †
Biomet 3i® Certain Internal		● *	● *
Biomet 3i® External Hex		● *	● *
Zimmer® Hex		● *	● *
Camlog® K-Series		● *	● *
Ankylos®		● * †	● * †

* On implant level, use Scan and Design services





† On Multi-unit Abutment level

NobelProcera® shade selection and VITA® shade conversion









High-translucent multilayered zirconia

Nobel Biocare shade	VITA® classic shade
 AWhite	Bleach shades
 ALight	A1 / A2 / A3
 ADark	A3.5 / A4
 BLight	B1 / B2 / B3 / B4
 CLight	C1 / C2 / C3 / C4
 DLight	D2 / D3 / D4

Zirconia

Nobel Biocare shade	VITA® classic shade
 White	Bleach shades
 Light	A1 / B1
 Medium	A2 / A3 / B2 / C1 / C2 / D2
 Intense	A3.5 / A4 / C3 / C4 / D3 / D4

Full-contour zirconia

Nobel Biocare shade	VITA® classic shade
 S0	OM1 / OM2 / OM3
 S1	Bleach with yellow tinge
 S2	A1 / B1 / C1 / D2 (incisal)
 S3	A2 / B2
 S4	A3 / A3.5 / B3 / C2 / D3 / D4 / D2 (body)
 S5	C3
 S6	C4 / A4 / 5M2
 S7	B4

References

1. Karl M, Irastorza-Landa A. In Vitro Characterization of Original and Nonoriginal Implant Abutments. *Int J Oral Maxillofac Implants*. 33(6):1229-1239 Nov/Dec 2018.
2. Hurson S. Use of authentic, integrated dental implant components vital to predictability and successful long-term clinical outcomes. *Compend Contin Educ Dent*. 2016;37(7):450-445.
3. Kelly JR, Rungruanganunt P. Fatigue Behavior of Computer-Aided Design/Computer-Assisted Manufacture Ceramic Abutments as a Function of Design and Ceramics Processing. *Int J Oral Maxillofac Implants*. 2016 May-Jun;31(3):601-9.
4. Friberg B, Ahmadzai M. A prospective study on single tooth reconstructions using parallel walled implants with internal connection (NobelParallel CC) and abutments with angulated screw channels (ASC). *Clin Implant Dent Relat Res*. 2019 Apr;21(2):226-231.
5. Heydecke G, Mirzakhaniyan C, Behneke A, Behneke N, Fügl A, Zechner W, Baer RA, Nölken R, Gottesman E, Colic S, Ottria L, Pozzi A. A prospective multicenter evaluation of immediately functionalized tapered conical connection implants for single restorations in maxillary anterior and premolar sites: 3-year results. *Clin Oral Investig*. 2019 Apr;23(4):1877-1885.
6. Wilson TG Jr. The positive relationship between excess cement and peri-implant disease: a prospective clinical endoscopic study. *J Periodontol*. 2009 Sep;80(9):1388-92. doi: 10.1902/jop.2009.090115.
7. Slagter KW, den Hartog L, Bakker NA, Vissink A, Meijer HJ, Raghoobar GM. Immediate placement of dental implants in the esthetic zone: a systematic review and pooled analysis. *J Periodontol*. 2014 Jul;85(7):e241-50. doi: 10.1902/jop.2014.130632.
8. Karl M, Taylor TD. Effect of cyclic loading on micromotion at the implant-abutment interface. *Int J Oral Maxillofac Implants*. 2016.
9. Löfgren N, Larsson C, Mattheos N, Janda M. Influence of misfit on the occurrence of veneering porcelain fractures (chipping) in implant-supported metal-ceramic fixed dental prostheses: an in vitro pilot trial. *Clin Oral Implants Res*. 2017;28(11):1381-1387.



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