Product Information

Straumann® n!ce®

Fully crystallized glass-ceramic. n!ce® to meet you.



lithium
Li
6.941
silicium
Si
28.085
oxygen
O
15.999

straumann
simply doing more

Straumann® n!ce®

At a glance

What’s in it for you?

Technical information



Summary



At a glance

The new high-tech, glass-ceramic solution from Straumann that delivers fast, esthetic single tooth[1] restorations

- Allows faster turnaround time and increased efficiency
- Meets the expectations of patients and dental professionals
- Improves your dental workflow

Straumann® n!ce® brochure

[1] inlays, onlays, veneers, partial crowns and crowns (including hybrid abutment crowns)



What's in it for you?

- Fast turnaround time and increased efficiency and productivity
- Convenient and easy to use
- Natural esthetic results for greater patient satisfaction
- Straumann reliability and quality assurance



Fast turnaround time and increased efficiency and productivity

Benefit from added convenience and time saving:

- Just mill, polish and seat, no need for crystallization firing saving substantial time and effort
- No additional capital investment, can easily be processed using standard milling equipment
- Significantly improves your dental workflow



Natural esthetic results for greater patient satisfaction

Natural appearance with high strength and longevity:

- Precise fit that feels comfortable and natural
- Thin restorations possible for optimal tooth preservation
- Highly esthetic and natural-looking restoration results



Convenient and easy to use

Straumann® n!ce® is pleasantly simple and very reliable:

- Just mill, polish and fix to achieve top performance quickly and easily
- Benefit from added convenience and time saving
- The fine glass-ceramic crystals are user-friendly and safe to process



Reliable

Count on the reliability of tooth restorations performed with CAD/CAM technology backed by the Straumann brand:

- High-quality, fully crystallized material guarantees a precise fit with very smooth margin lines
- Optimal mechanical properties for a perfect combination of strength and longevity
- Benefit from the Straumann quality assurance





Technical information

- Mill – polish – seat:
  simple three-step workflow
- Three different holders for a compatibility with different CAD/CAM milling systems
- The n!ce® range is available in two levels of translucency and various shades
- n!ce® minimum restoration thickness guidelines

Simple three-step workflow



MILL

POLISH OR STAIN & GLAZE

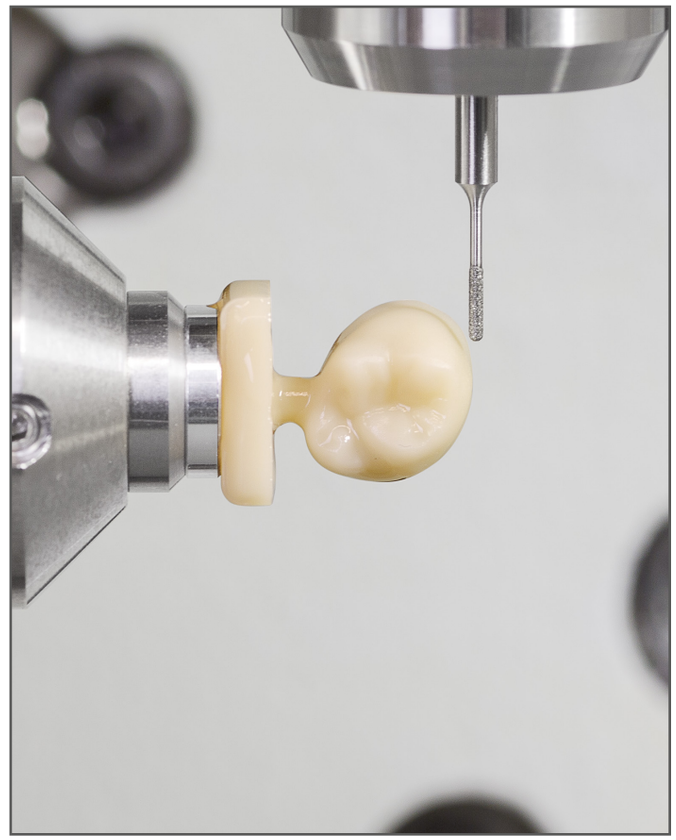
SEAT

Prepare the tooth, digitize and design the desired restoration as required

Straumann® n!ce® Quick Guide

Step 1: MILL

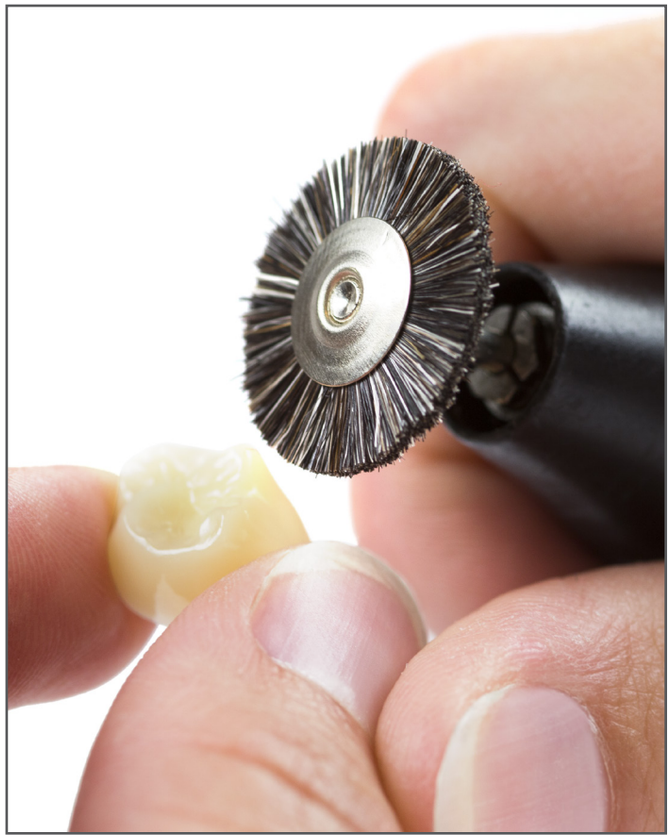
- Mill the restoration with the dedicated n!ce® CAD/CAM system program[1]
- Smooth out the attachment point with standard grinding tools for lithium-disilicate glass-ceramic[2]
- Try-in the restoration, check and adjust the contact points if required



[1] n!ce® can also be milled with the lithium-disilicate milling program
[2] Ideally use water-cooled instruments, grind only at low speed and slight pressure to prevent delamination and chipping at the edges

Step 2: POLISH

- Simply polish with a standard polishing set for lithium-disilicate glass-ceramic to achieve a natural, high-gloss finish[3]
- If more pronounced characterization is required stain and glaze can be applied
- Clean the n!ce® restoration in an ultrasonic water bath or with a steam jet



[3] For polishing the occlusal surfaces, use preferably diamond polishing tools for lithium-disilicate glass-ceramic

Step 3: SEAT

- Clean and condition the n!ce® restoration; etch the bonding surface with 5 % hydrofluoric acid gel for 20 seconds, and silanize the bonding surface
- Simply seat the n!ce® milled restoration with an adhesive[4] cement system for lithium-disilicate glass-ceramic



[4] Crowns can also be seated using self-adhesive cement

Compatibility with Straumann, CEREC® and PlanMill®

Different holders are available to provide compatibility with the following milling systems:

① n!ce C14 blocks for M series

② n!ce C14 blocks for C series and CEREC®

③ n!ce A14 blocks for CEREC®

④ n!ce C14 blocks for PlanMill®



CEREC® is a registered trademark of Sirona Dental Systems GmbH, Bensheim, Germany.
PlanMill® is a registered trademark of Planmeca Oy, Finland.

Translucency and shades

The n!ce® range is available in:

- Two levels of translucency:
  Low and High Translucency (LT, HT)
- Both translucencies are available in the shades:
  Bleach, A1, A2, A3, B2 and B4



ISO certification and properties

- n!ce® is certified in accordance with ISO 6872:2015, type II, class 2
- n!ce® is a lithium aluminosilicate ceramic reinforced with lithium disilicate

Chemical composition

Elements	Weight (percentage)
SiO_2	64-70 %
Li_2O	10.5-12.5 %
Al_2O_3	10.5-11.5 %
K_2O	0-3 %
Na_2O	1-3 %
P_2O_5	3-8 %
ZrO_2	0-0.5 %
CaO	1-2 %
Coloring oxides	0-9 %

Properties

Description	Value
Flexural strength [MPa]*	350 ± 50
CTE (100 – 500 °C) [10^{-6} K^{-1}]*	7.1 ± 0.5

* According to ISO 6872

n!ce® minimum restoration thickness guidelines

Inlay



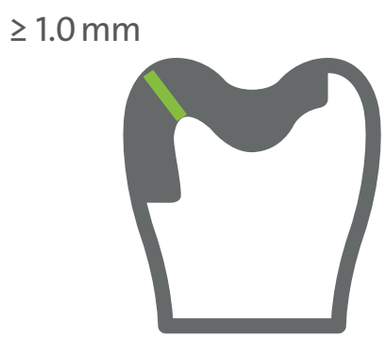
Onlay



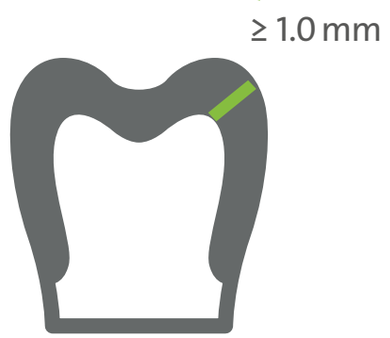
Veneer



Partial Crown



Crown (incl. on top of Ti-Bases)





Summary

Straumann® n!ce® is a new high-tech, glass-ceramic solution that provides fast, esthetic single tooth restorations

- Benefit from added convenience, faster turnaround time and increased efficiency and productivity
- Meets the needs and expectations of both patients and dental professionals
- Delivers significant improvements to your dental workflow

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