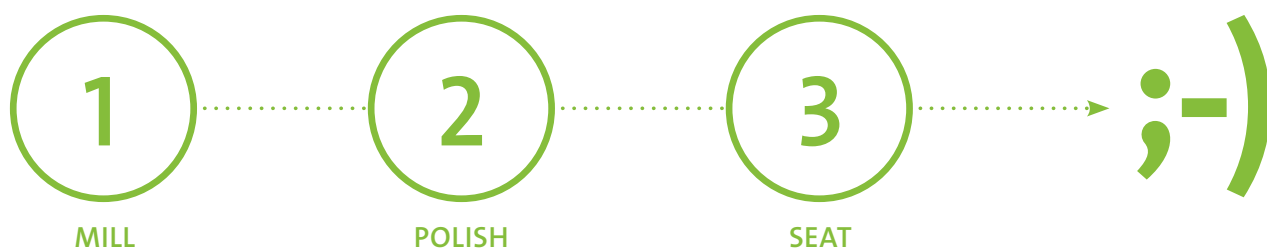


Straumann® n!ce™

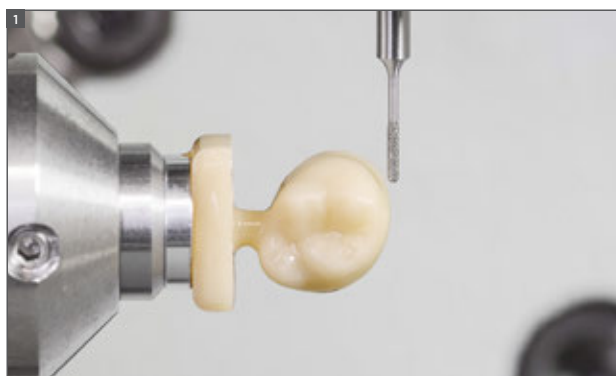
Turn time spent milling
into time spent smiling.



n!ce™ processing – polish only



Prepare the tooth, digitize and design the desired restoration as usual.



Mill the restoration with the n!ce™ dedicated program¹ of your CAD/CAM system.

Smooth out the attachment point with standard grinding tools for lithium-disilicate glass-ceramic².

Try-in the restoration, check and adjust the contact points if required.



Simply **polish** with a standard polishing set for lithium-disilicate glass-ceramic (or use a polishing paste with a brush wheel) to achieve a natural high gloss finish³.

Clean the n!ce™ restoration in a ultrasonic water bath or with a steam jet.



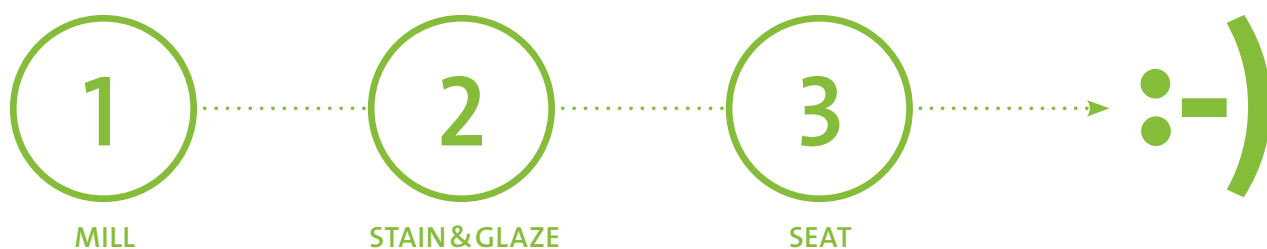
Condition the n!ce™ restoration (etch the bonding surface with 5% hydrofluoric acid gel for 20 second; and silanize the bonding surface).

Clean and condition the prepared tooth and simply **seat** the n!ce™ milled restoration with adhesive⁴ cement system for lithium-disilicate glass-ceramic.

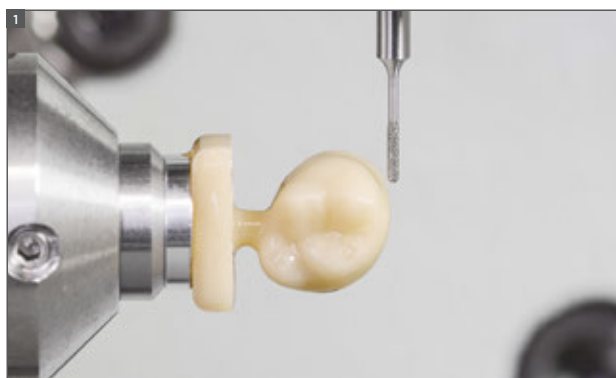
Note:

- Observe the n!ce™ minimum thicknesses guidelines
- Do not blast the restoration with Al₂O₃ or glass polishing beads

n!ce™ processing – stain & glaze



Prepare the tooth, digitize and design the desired restoration as usual.



Mill the restoration with the n!ce™ dedicated program¹ of your CAD/CAM system.

Smooth out the attachment point with standard grinding tools for lithium-disilicate glass-ceramic².

Try-in the restoration, check and adjust the contact points if required.



Clean the n!ce™ restoration in a ultrasonic water bath or with a steam jet.

Stain&glaze by applying individual stains for more pronounced characterization followed by glaze. Place the n!ce™ restoration in the centre of the firing tray on a firing cotton⁵.

Conduct the firing as recommended (see recommended heating profile).



Condition the n!ce™ restoration (etch the bonding surface with 5% hydrofluoric acid gel for 20 second; and silanize the bonding surface).

Clean and condition the prepared tooth and simply **seat** the n!ce™ milled restoration with adhesive⁴ cement system for lithium-disilicate glass-ceramic.

Note:

- Observe the n!ce™ minimum thicknesses guidelines
- Do not blast the restoration with Al₂O₃ or glass polishing beads

n!ce™ restoration

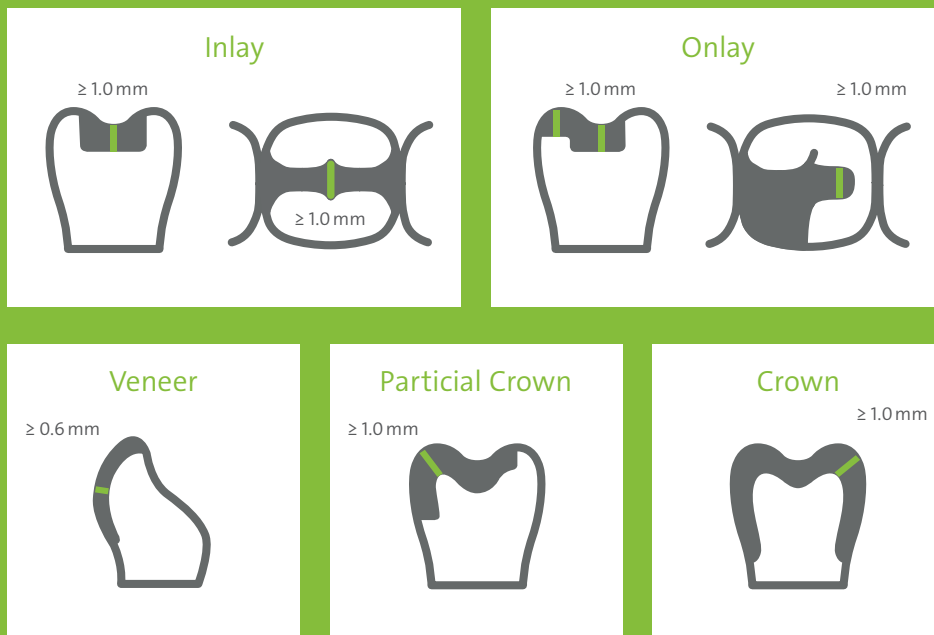
n!ce™ tooth preparation guidelines

- The preparation must not have angles or sharp edges.
- The shoulder preparation must have rounded inner edges and/or chamfer.
- The static and dynamic antagonist contacts should be taken into consideration and the preparation margin should not be located on the centric antagonist contacts.



n!ce™ is indicated for single tooth restoration and is intended to restore natural teeth or to be placed on top of abutments.

n!ce™ minimum restoration thickness guidelines



n!ce™ heating profile

After stain & glaze

n!ce™ can be stained and glazed if a more pronounced characterization is wished.

Please ensure the following:

- Only use stain and glaze material compatible with a CTE value of $7.1 \times 10^{-6} \text{ K}^{-1}$
- Only conduct the firing once the n!ce™ restoration has been cleaned in water by ultrasound, or with steam

We recommend following heating profile (no vacuum required):

Start temperature	Heating time (closing time)	Heating rate (Temp.raise)	End temp. (Firing temp.)	Holding time	Cooling temp.	Cooling rate
°C	mm:ss	°C/min	°C	mm:ss	°C	°C/min
400	02:00	60	770–800	01:00	400	25

- The firing temperature must not exceed 820°C.
- Utilizing a slow cooling rate is important to avoid color deviations caused by the cooling-down process.
- Utilizing a fast cooling rate increases the translucency of the material.

n!ce™ sterilization parameters

n!ce™ restorations, especially crowns used in combination with Ti-Bases, can be sterilized under following parameters:

Method	Condition
Autoclave, moist heat Fractionated vacuum or Gravity displacement	132 °C (270 °F), for 3 minutes

Turn time spent milling
into time spent smiling. ;-)

REFERENCES

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 3 For polishing the occlusal surfaces, use preferably diamond polishing tools for lithium-disilicate glass-ceramic 4 Crowns can also be seated using self-adhesive cement 5 Alternatively, use a firing pin with an auxiliary firing paste

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