

# Trust the original

## IPS e.max<sup>®</sup> Press

Lithium disilicate restorations from your laboratory

The highly esthetic press ceramic for impressive all-ceramic restorations



# Versatility and dependability for the future

Your goal is to give your patients a beautiful and natural-looking new smile? You can count on IPS e.max Press restorations from your laboratory to provide you with stunning long-lasting results. The combination of accuracy of fit<sup>[1]</sup>, function and brilliant esthetics as well as high strength<sup>[2]</sup> is impressive.



## Versatility due to a wide range of applications

- ✓ Thin veneers (0.3 mm), veneers, occlusal veneers
- ✓ Inlays, onlays, partial crowns
- ✓ Crowns
- ✓ 3-unit bridges
- ✓ Abutments and abutment crowns

Trust is based on mutual understanding, for example, in your day to day business activities. Ask your laboratory about restorations made of IPS e.max Press that are highly suitable for tooth structure-preserving preparation approaches. You will be amazed by the lifelike appearance\*, precision<sup>[1]</sup> and reliability<sup>[3]</sup> of this high-strength glass-ceramic. IPS e.max Press has been proving its remarkable clinical performance for around two decades.



- ✓ Clinically documented reliability
- ✓ High survival rate (97.8%)<sup>[3]</sup>
- ✓ Outstanding accuracy of fit<sup>[1]</sup> and margin quality
- ✓ Biocompatibility<sup>[4]</sup>



- ✓ Long-term studies confirm the notable properties of the material
- ✓ Ten-year guarantee
- ✓ High stability for remarkable dependability
- ✓ Average flexural strength of 470 MPa<sup>[5]</sup>



- ✓ Multi ingot featuring a natural shade gradient and translucency and specialized shading for monolithic crowns
- ✓ Thin veneers (0.3 mm) for cosmetic restorations
- ✓ Monolithic, partially or fully veneered restorations<sup>[6]</sup>



- ✓ Flexible cementation options
- ✓ Choice between adhesive, self-adhesive and conventional cementation<sup>[7]</sup>

[1] Guess P C et al., J Dent, 2014, 42, p. 199-209.

[2] Schweiger M., Biaxial flexural strength of IPS e.max lithium disilicate products, Test Report, Ivoclar Vivadent, 2016.

[3] Heintze S., Clinical efficacy of monolithic crowns made of IPS e.max Press on posterior teeth, Test Report, Ivoclar Vivadent, 2021.

[4] Forster A et al., J Dent, 2014, 42, p. 7-14.

[5] Schweiger M., Biaxial flexural strength of IPS e.max lithium disilicate products, Test Report, Ivoclar Vivadent, 2016.

[6] Pozzi A et al., J Oral Implantol, 2015, 4 (41), p. 450-458.

[7] Gehrt M et al., Clin Oral Invest, 2013, 17, p. 275-284.

# For a beautiful, natural-looking\* smile

Pressed glass-ceramics have been synonymous with exquisite, translucent restorations for many years.  
In addition, IPS e.max Press boasts a long life span<sup>[1]</sup>.

Five levels of translucency allow your laboratory to choose the most suitable material for creating highly esthetic results, regardless of the required material thickness and the colour of the prepared tooth.



IPS e.max Press crowns  
Dr L. Sanchez, Mexico / A. Alić, Croatia

## Lifelike esthetics\* and precise shading

The optimized translucency, the vibrant and warm shades and the specialized shading of IPS e.max Press form the basis for true-to-nature esthetics.

The excellent margin quality<sup>[2]</sup> is particularly obvious in finely tapering margins. Good polishability allows occlusal adjustments to be made with ease during the treatment procedure.

## Ideally suited for different requirements

Due to the many different application options<sup>[3]</sup> you have the flexibility you need. Your dental technician will create the desired restoration according to the individual requirements: stained, or partially or fully veneered.

A combination of veneered restorations in the anterior and monolithic restorations in the posterior region also produces a harmonious overall outcome.

IPS e.max Press restorations can even be used in patients with non-vital tooth structure and metal post build-ups.



IPS e.max Press Multi crowns  
Dr P. Hajny, Czech Republic/R. Zubak, Croatia

[1] Heintze S, Clinical efficacy of monolithic crowns made of IPS e.max Press on posterior teeth, Test Report, Ivoclar Vivadent, 2021.

[2] Guess P C et al., J Dent, 2014, 42, p. 199-209.

[3] Pozzi A et al., J Oral Implantol, 2015, 4 (41), p. 450-458.

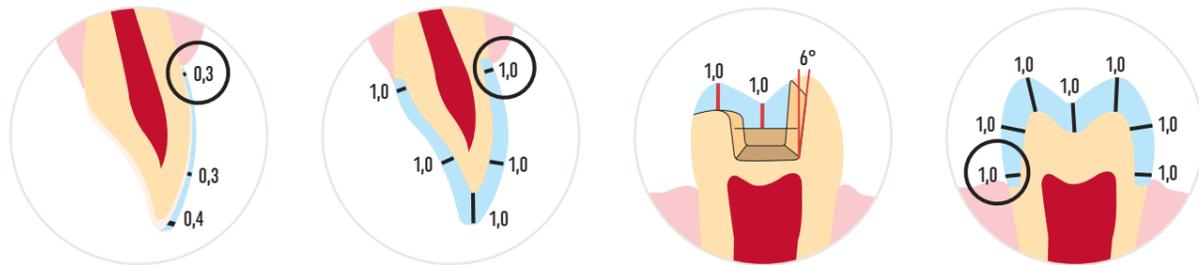
\* At natural lighting conditions. The use of artificially generated UV or UV-like light may result in a different impression.

# Synonymous with prime quality

## Customary preparation for reliable processes

IPS e.max Press can be used to fabricate very thin restorations that require only minimal removal of tooth structure.

In addition to the prescribed minimum wall thicknesses, the general guidelines for all-ceramics, such as rounded corners and edges, must be observed.



## Thin veneers and veneers

Tooth structure-preserving customized solutions for corrective cosmetic procedures. If sufficient space is available, preparation can be dispensed with completely.

## Inlays and onlays

Glass-ceramic materials have been successfully used to produce long-lasting restorations, such as inlays and onlays, for almost 30 years. The esthetic and clinical results speak for themselves.

## Crowns

Pressed glass-ceramic crowns have been a very popular restorative solution for posterior teeth for many years. Because of their impressive esthetic properties, they come into their own in the anterior region in particular where individuality is desired.

## Hybrid abutments and hybrid abutment crowns

Your laboratory may fabricate individual abutments made of IPS e.max Press that can be bonded to a titanium base and then fitted with a permanent crown, or they may create hybrid abutment crowns that combine the abutment and the crown and therefore eliminate the need for bonding in the mouth and the removal of excess.



## For remarkable results – also on dark prepared teeth

The overall effect of a restoration is based on the smooth integration of its shape and shade in the mouth of the patient. Differences in the shade of the restoration and the natural remaining tooth structure have a negative effect on the esthetic appearance of the final outcome.

The prerequisite for a natural-looking all-ceramic restoration is the successful interplay of the shade of the prepared tooth, the material selected and the cementation material. It is important for you to inform your laboratory about the shade of the prepared teeth.

This enables your laboratory to choose the IPS e.max Press material with the suitable level of translucency. As a result, stunning esthetic results can be achieved, even if the prepared teeth are quite dark.



# Variolink® Esthetic

## Versatile adhesive cementation

IPS e.max Press restorations can be placed using either an adhesive, self-adhesive or conventional protocol.<sup>[1]</sup> Variolink Esthetic expertly combines high bond strength with impressive esthetic results.

Variolink Esthetic is a light and dual-curing luting composite for the adhesive cementation of restorations, producing reliable and impressive clinical results.

Together with Monobond Etch & Prime, the world's first self-etching glass-ceramic primer, Variolink Esthetic achieves a strong bond on IPS e.max Press restorations<sup>[2,3,4]</sup>.

The single-component ceramic primer etches and silanizes glass-ceramic surfaces in only one step.

Versatile

- ✓ Adhesive cementation of anterior and posterior restorations
- ✓ Light-curing (LC) and dual-curing (DC) variants
- ✓ 96% customer satisfaction<sup>[5]</sup>

Esthetic

- ✓ Well-balanced and compact. Effect shade range for impressive esthetic results
- ✓ Proven and reliable shade stability<sup>[6]</sup> due to the patented Ivocerin® light initiator
- ✓ Very good wear resistance and margin quality

User-friendly

- ✓ Flexible situational consistency for comfortable handling<sup>[7]</sup>
- ✓ Easy and controlled removal of excess with optional tack-curing<sup>[7]</sup>
- ✓ High radiopacity<sup>[6,8,9]</sup>



[1] Gehrt M et al, Clin Oral Invest, 2013, 17, p. 275-284.  
[2] Maassen, et al, J.Prosthet Dent, 2021, p. 182-188, additional data on file.  
[3] Salem S K et al, EDJ, 2019, 65, p. 1853-1864.  
[4] Guimaraes H A B et al, Int J Biomater, 2018, p. 1-7.  
[5] Ivoclar Vivadent AG, customer survey (approx. 700 participants) in Europe/USA, September 2016.  
[6] Gianasmidis A, DZW 2016 (38), p. 14-15, additional data on file.  
[7] Gianasmidis A, DZW 2016 (39), p.18-19, additional data on file.  
[8] Erzurumlu ZU et al, Clin Oral Investig 2021 Vol. 25 (10), pp. 5735-5741.  
[9] Westphal M et al, IADR Abstract #0918, 2018, additional data on file.

# High-gloss polish with OptraGloss®

Smooth surfaces reduce plaque formation and the risk of abrasion of the antagonists. The universal OptraGloss polisher quickly polishes ceramic restorations to a high gloss.



# For a long-lasting IPS e.max® smile

Our IPS e.max Gel with its unique formula protects restorations and keeps them in good condition. It provides effective professional oral care in the dental office and at home.

In your practice, you can take the first step towards making sure that restorations last a long time.

- ✓ Unique formula that combines protection and maintenance
- ✓ Calms and soothes irritated oral tissue and the tissue around implants and restorations immediately following the treatment.<sup>[1]</sup>
- ✓ Protects the remaining tooth structure and the restoration against harmful bacteria.<sup>[2]</sup>

The contact points of glass-ceramic IPS e.max Press restorations are polished to a high gloss after extraoral or intraoral finishing of the occlusion:

- ✓ Diamond polishers for pre-polishing (darkblue)
- ✓ Universal high-gloss polishers (light blue)



[1] Hallstrom H et al., Int. J. Dent. Hyg., 2015.  
[2] Schoppe J, Hemmhoftests, 2016.

# Fixed prosthetics workflow for individual and reliable restorations



## Isolate

Use OptraGate to relatively isolate and enlarge the treatment field



## Scan & send

Digital impression-taking – VivaScan makes it incredibly easy. Data is transferred immediately via Ivoclar Cloud



## Select

IPS e.max Press lithium disilicate glass-ceramic for strong and esthetic restorations



## Plan

Choose a suitable placement protocol using the Cementation Navigation System.



## Condition

Etch and silanize restorations in one step using Monobond Etch & Prime



## Bond

Generate the best possible bond to the tooth structure with the help of Adhese Universal.



## Cement

Reliably cement restorations with the versatile Variolink Esthetic.



## Protect

Protect restorations with the unique combination of active ingredients contained in IPS e.max Gel.