



**IPS e.max<sup>®</sup>**

**Press**

The original lithium disilicate  
press ceramic

All ceramic,  
all you need.

**ivoclar**  
**vivadent**<sup>®</sup>  
passion vision innovation

# The legendary press ceramic

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IPS e.max® Press is the original premium lithium disilicate glass-ceramic (LS<sub>2</sub>) for the press technique. It combines accuracy of fit with excellent function and outstanding esthetics as well as high strength. Moreover, IPS e.max Press is exceptionally user friendly. The material comes in a wide range of shades and translucency levels for utmost efficiency.

## Exceptional esthetics

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as expected from IPS e.max

## Well-thought-out assortment

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a suitable ingot for virtually every indication

## Efficient production

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coordinated workflows

## Utmost reliability

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IPS e.max Press is based on the IPS e.max all-ceramic system, which dentists, dental technicians and patients have been relying on for many years. It is the product of extensive knowledge and experience and exceptional passion.

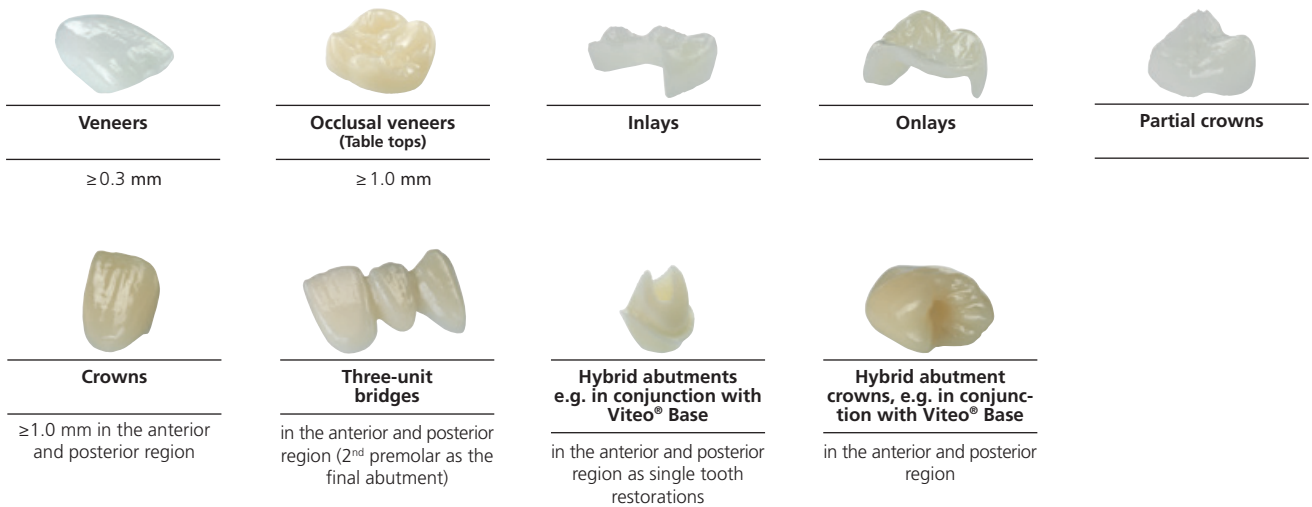




**The most  
widely used<sup>1</sup>  
press ceramic  
in the world**

# Wide indication spectrum

IPS e.max Press covers the broadest indication spectrum in the world. It is the only press ceramic on the market that allows you to produce monochromatic restorations as well as polychromatic and implant-supported restorations. Due to the high strength of the lithium disilicate glass-ceramic, full-contour crowns with a minimum thickness of one millimetre can be produced.



## IPS e.max<sup>®</sup> Press Multi Press in multicolour – glaze – and you're done



High-strength, polychromatic press results: The innovative IPS e.max Press Multi ingots produce monolithic restorations showing a lifelike colour progression. The outcome: high chroma in the dentin area and the desired translucency in the incisal area.











The restorations show the type of natural-looking appearance, which is usually achieved with the time-consuming application of individual layers.

**Pressed** to  
the highest  
esthetic standards







# Well-thought-out assortment

The extensive assortment of IPS e.max Press features a suitable ingot for a myriad of clinical situations – matched to the desired restoration shade. IPS e.max Press opens up a wide range of possibilities, whether you choose to use the efficient staining technique, the customized cut-back technique or the highly esthetic layering technique.


	Polychromatic	Monochromatic			
	IPS e.max Press Multi	IPS e.max Press HT	IPS e.max Press MT	IPS e.max Press LT	IPS e.max Press MO
Ingot					
Translucency	 Progression of shade and translucency from the dentin to the incisal area	 High translucency similar to that of natural enamel	 Medium translucency	 Low translucency similar to that of natural dentition	 Medium opacity
Shades	10 (BL2, A1, A2, A3, A3.5, B1, B2, C1, C2, D2)	20 (4 Bleach BL, 16 A–D)	7 (BL2, BL3, BL4, A1, A2, A3, B1)	20 (4 Bleach BL, 16 A–D)	5 (MO 0, MO 1, MO 2, MO 3, MO 4)
Indications	Veneers, crowns, hybrid abutment crowns	Thin veneers, occlusal veneers, veneers, inlays, onlays, partial crowns	Thin veneers, occlusal veneers, veneers, partial crowns, crowns, bridges	Veneers, partial crowns, bridges, hybrid abutments, hybrid abutment crowns	Frameworks on lightly stained cores, hybrid abutments
Technique	Staining technique Cut-back Technique	Staining technique Cut-back Technique	Staining technique Cut-back Technique	Staining technique Cut-back Technique	Layering technique

# IPS e.max<sup>®</sup> Shade Navigation App

IPS e.max Press HO	IPS e.max Press Impulse
	
	
High opacity	Lifelike opalescent effect for the replacement of enamel
3 (HO 0, HO 1, HO 2)	2 (Opal 1, Opal 2)
Frameworks on severely stained cores	Thin veneers, occlusal veneers, veneers
Layering technique	Staining technique Cut-back Technique



Five easy steps to finding the correct shade and translucency level

A close-up photograph of a hand holding a green pen, positioned over a document with a grid pattern. The background is blurred, showing a white surface and a grid of lines. The text is overlaid on a dark red rectangular area at the bottom of the image.

You can rely on  
**the original**  
glass-ceramic





e.max® Press  
MT  
A2

MT A2



Crowns (12 – 22): IPS e.max® Press Multi  
Oliver Brix, Germany

“The IPS e.max Press Multi ingots are sensational. They are characterized by outstanding efficiency, excellent esthetics and function and a monolithic structure.”

**Oliver Brix**  
Germany

# Striking esthetics

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## Clinical cases with exquisite, natural-looking outcomes



Veneers (14 – 24): IPS e.max® Press, IPS e.max® Ceram  
Dr Luis R. Sanchez Ramirez, Mexico / Alen Alic, Croatia



Upper anterior crown and  
lower veneers and onlays  
IPS e.max® Press and IPS e.max® Ceram  
Prof. Dr Petra Gierthmühlen / Udo Plaster, Germany

Superb  
**quality**

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reliable

96.2%

survival rate<sup>1</sup>

complete confidence

high stability

## 96.2 % survival rate<sup>1</sup>

Various long-term studies confirm the high level of safety and impressive reliability of IPS e.max Press. In the 10-year study of K. Malament, a total of 5,113 cumulative years of observation showed a failure rate of 0.14 % per year.

Starting situation



After placement



10 years in situ



Dr Sidney Kina / José C. Romanini, Brazil

## 2.5-3 MPa · m<sup>1/2</sup> fracture toughness<sup>2</sup>

IPS e.max Press is capable of resisting crack growth for an exceptionally long time. This high fracture toughness inspires confidence.

Fracture toughness [MPa · m<sup>1/2</sup>]



ISO 6872:2015 minimum value Type II/Class 3: 2 MPa · m<sup>1/2</sup>

A high fracture toughness is achieved due to the resistance to crack propagation: the higher the reading, the better the long-term clinical behaviour.

## 470 MPa flexural strength<sup>3</sup>

Since 2005, regular measurements have confirmed the high biaxial flexural strength of IPS e.max Press: The typical mean value over a period of ten years is 470 MPa – an excellent prerequisite for reliable, long-lasting results.

Typical mean value of the biaxial flexural strength over a period of 10 years [MPa]

> 17,000  
measurements



ISO 6872:2015 minimum value Type II/Class 3: 300 MPa

High flexural strength is of major importance for load bearing restorations. It is measured as the load or force at the point of fracture.

<sup>1</sup> IPS e.max® Scientific Report, vol. 03/2001 – 2017

<sup>2</sup> Fracture toughness (SEVNB), R&D Ivoclar Vivadent, Schaan, Liechtenstein

<sup>3</sup> Typical mean value of the biaxial flexural strength over a period of 10 years  
R&D Ivoclar Vivadent, Schaan, Liechtenstein

# Obtain impressive **results** **easily** and **efficiently**

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## 1 Design choices

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The IPS e.max Digital Press Design software allows you to take the best possible advantage of digital workflows.

- Fast and reliable spruing
- Maximum efficiency and coordinated processes

If a manual procedure is preferred, modelling wax is used to create the individual design.

## 7 Appropriate cementation

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Ivoclar Vivadent supplies a specialized cementation system for use with IPS e.max Press.

- Esthetic cementation with the Variolink® Esthetic luting composite
- Easy conditioning with the self-etching glass-ceramic primer Monobond Etch & Prime®

Finding your way out of the cements maze:  
[www.cementation-navigation.com](http://www.cementation-navigation.com)

## 6 Characterization and glazing

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The stains and glazes of the IPS Ivocolor® assortment enable you to customize all IPS ceramic materials.



- Simplified handling due to innovative paste formulation
- High gloss at a firing temperature of only 710 °C
- Fluorescence with IPS Ivocolor Glaze Fluo

## 2 Simplified ingot selection



The IPS e.max Shade Navigation App (SNA) assists you in finding the most suitable shade and translucency – for reliable and relaxed working.

## 3 Precision investment



IPS® PressVest Premium ensures optimum press results with IPS e.max Press and therefore the fabrication of superior-quality restorations.

- Exact, precision fit
- Extremely smooth, homogenous surfaces

## 4 Pressing at the push of a button



The two intelligent press and ceramic furnaces Programat® EP 3010 and EP 5010 produce outstanding firing results. Restorations are pressed easily and efficiently at the push of a button due to the fully automatic press function (FPF).

## 5 Perfect ceramic layers



IPS e.max Ceram is a versatile layering ceramic featuring intuitive modelling properties and excellent stability.

- Consistent layering scheme
- Harmonious shade adjustment
- Excellent firing behaviour

ipsemax.com

**Ivoclar Vivadent AG**  
Bendererstr. 2  
9494 Schaan  
Liechtenstein  
Tel. +423 235 35 35  
Fax +423 235 33 60  
[www.ivoclarvivadent.com](http://www.ivoclarvivadent.com)

721215/en/2018-10

  
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