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IPS e.max[®] PRESS

NATURAL-LOOKING, PRESSED RESTORATIONS

IPS e.max[®] Press is a versatile and proven lithium disilicate glass-ceramic for use with the press technique providing high-strength restorations (470 MPa¹).

Its indication spectrum includes **inlays**, onlays, thin veneers, occlusal veneers, crowns, three-unit bridges in the anterior and premolar region, implant superstructures as well as hybrid abutments and hybrid abutment crowns.

IPS e.max Press ingots are supplied in five levels of translucency (HT, MT, LT, MO, HO). An Impulse version is also provided. The polychromatic Multi ingots are particularly attractive. The monochromatic ingots are available in two sizes and the IPS e.max Press Multi ingots in one size. The ingots are selected in line with the case at hand and the preferred processing technique (staining, cut-back or layering technique). The restorations are characterized or veneered using coordinated IPS Ivocolor staining materials or IPS e.max Ceram layering materials.

¹ Typical mean value of biaxial flexural strength measured over 10 years, R&D Ivoclar Vivadent, Schaan

IPS e.max[®] PRESS

DESIGNED FOR INNOVATIVE PRESS FURNACES AND PROVEN CEMENTATION MATERIALS

The modern press furnaces Programat[®] EP 3010 and EP 5010 are combination furnaces suitable for pressing and firing. They are equipped with the fully automatic fully automatic FPF press function. The furnaces are optimally coordinated with the IPS e.max Press ingots and the IPS[®] PressVest Premium investment material. The latter is synonymous with impressive accuracy, minimal reaction layer and produces silky smooth, homogeneous surfaces.



The tried-and-tested cementation materials from Ivoclar Vivadent are suitable for the cementation of IPS e.max Press restorations. Crowns and bridges made of IPS e.max Press can be cemented using adhesive, self-adhesive or conventional luting systems (e.g. SpeedCEM[®] Plus). Inlays, thin veneers and occlusal veneers are seated with the adhesive technique (e.g. Variolink[®] Esthetic).



IPS e.max® PRESS MULTI

THE INNOVATIVE INGOT

The innovative Multi ingots are available in selected Bleach BL and A–D shades. They are suitable for fabricating esthetic veneers and anterior and posterior crowns as well as hybrid abutment crowns quickly and efficiently. The restorations show a lifelike progression of shade from the dentin region to the incisal area. They are ideal for the staining technique.



IPS e.max® PRESS HT

THE MINIMALLY INVASIVE INGOT

The HT ingots are supplied in 16 A–D shades and 4 Bleach BL shades. Due to their high translucency – similar to that of natural enamel – the ingots are suitable for producing small restorations (e.g. inlays). Their lifelike “chameleon effect” allows these restorations to adapt seamlessly to the natural tooth structure. The restorations are efficiently customized with the staining technique.



IPS e.max® PRESS MT

THE BRIGHT INGOT

The MT ingots are provided in the following shades: A1, A2, A3, B1, BL2, BL3 and BL4. These medium-translucency ingots are used in cases where a brighter and more translucent look is needed than that imparted by the LT ingots. Restorations made of the MT material are ideal for staining and cut-back techniques.



IPS e.max® PRESS LT

THE VERSATILE INGOT

The LT ingots are available in 16 A–D and 4 Bleach BL shades. Their low translucency – similar to that of natural dentin – renders these ingots suitable for creating large restorations (e.g. posterior crowns). The material exhibits true-to-nature brightness and chroma, which prevents the restorations from looking grey. The esthetic appearance of the restorations is maximized by the cut-back technique.



IPS e.max® PRESS MO

THE CLASSICAL INGOT

The MO ingots are available in 5 group shades (MO 0, MO 1, MO 2, MO 3, MO 4). Given their opacity, these ingots are intended for the fabrication of substructures that are placed on vital or slightly discoloured prepared teeth. They form an excellent base for lifelike restorations that are completed with the layering technique.



IPS e.max® PRESS HO

THE OPAQUE INGOT

The HO ingots are supplied in 3 group shades (HO 0, HO 1, HO 2). Due to their high opacity, these ingots are used to create frameworks on severely discoloured teeth and on titanium abutments. They successfully mask dark backgrounds to achieve highly esthetic results. The anatomical shape of the restorations is reproduced with IPS e.max Ceram.



IPS e.max® PRESS IMPULSE

THE OPALESCENT INGOT

Impulse ingots are available in two different levels of brightness (Opal 1, Opal 2). The restorations produced with these ingots have exceptionally opalescent properties. Therefore, this material is ideal for fabricating thin veneers and veneers for light teeth which require an opalescent effect.



INDICATIONS AND PROCESSING TECHNIQUES

As far as processing is concerned, all the ingots can be used to create nearly any type of restoration. Nevertheless, due to esthetic reasons, the following processing techniques and indications are recommended:

Translucency	Processing technique			Indications										
	Staining technique	Cut-back technique	Layering technique	Occlusal veneer ¹	Thin veneer ¹	Veneer	Inlay	Onlay	Partial crown	Anterior crown	Posterior crown	Three-unit bridge ²	Hybrid abutment	Hybrid abutment crown
Multi	✓	✓				✓				✓	✓			✓
HT High Translucency	✓	✓		✓	✓	✓	✓	✓	✓					
MT Medium Translucency	✓	✓		✓	✓	✓			✓	✓	✓	✓		
LT Low Translucency	✓	✓				✓			✓	✓	✓	✓		✓
MO Medium Opacity			✓							✓	✓	✓	✓	
HO High Opacity			✓							✓	✓	✓		
I Impulse	✓	✓		✓	✓	✓								

¹ The cut-back technique must not be used for the fabrication of thin veneers and occlusal veneers.

² Only up to the second premolar as the distal abutment