

DENTSPLY TOOTH PROGRAM

Setting the tone in prosthodontics.



Genios

Bioplus
Artiplus
BioStabil

Cosmo HXL
Dentacryl HXL



DENTSPLY

Prosthodontics in Concert

Genios[®], Bioplus[®], Artiplus[®], BioStabil[®],
Cosmo *HXL*, Dentacryl[®] *HXL*



“A masterly concert performance requires compatible instruments in the hands of true artists. A masterly prosthodontic performance requires compatible materials.

DENTSPLY offers everything you need to create truly great dentures.”

Always a good choice

Our tooth program includes a stunning variety of up-to-date prefabricated teeth, specifically designed for the most diverse prosthodontic situations. Choose among your favourites:



Genios®

Developed by master prosthodontists for masterly dentures. Genios anteriors and posteriors impress with brilliant aesthetics and a perfect anatomical shape. Unique blend and an excellent surface texture give this line of denture teeth their impressive nature-like appearance. In addition, interdental closures and the implementation of the biomechanical concept of occlusion set new standards for functionality.

Bioplus®

This successful classic is unsurpassed in its wealth of different forms and shapes. A total of 60 different anterior moulds ensure that there is a matching denture tooth for every clinical situation. The four layers of the Bioplus teeth create convincing vivid effects emanating from the depths of the tooth.

Artiplus®

The guiding surfaces of the occlusal relief guide the jaws safely to central occlusion. Artiplus posteriors are effortless to set up. The concave basal surface creates additional mechanical retention and allows for more rapid and uncomplicated adjustments.

BioStabil®

With its physiologically reduced cusp relief, this posterior denture tooth is particularly easy to set up.

Cosmo HXL

The independent tooth-line. Its success is based on a perfect combination of natural aesthetics, excellent material properties and an easy handling.

Dentacryl® HXL

The NHS tooth-line. With its focussed 9 shade system it helps to keep stock at a minimum. The HXL (= highly-cross-linked) material ensures excellent wear rate figures.



INPEN[®] Quality Acrylic

Genios[®], Bioplus[®], Artiplus[®], BioStabil[®]

INPEN[®] – extra quality

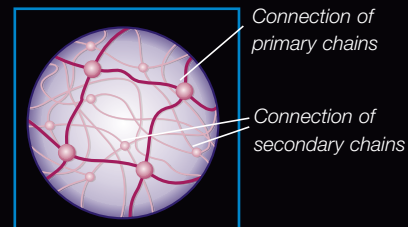
The high-quality INPEN material (interpenetrated polymer network) is the chemical basis of the following DENTSPLY tooth-lines:

- Genios[®]
- Bioplus[®]
- Artiplus[®]
- BioStabil[®]

INPEN[®] consists of highly connected Copolymers and is free of inorganic fillers. The structure of the INPEN[®] material is extremely dense and homogenous, i.e. there are no zones with deviant properties. Not only is the material extremely durable, but it also bonds well with the denture base resin in all areas of the tooth.

INPEN[®] structure:

Homogenous three-dimensional structure and connection of primary and secondary molecular chains



Its superior material properties have been proven in more than a decade of clinical practice:

- Excellent abrasion resistance
- Minimal plaque affinity
- Excellent colour stability
- Excellent craquelé resistance
- Maximum bond strength
- Added reliability for the laboratory, dentist and patient



The result:
high-quality, long-lasting
denture teeth.



Genios®

Genios® A & P

Brilliant and perfect.



Genios® A & P

The genius among prefabricated denture teeth. Decades of experience in dental technology, dental research and dental production were combined to create our Genios® line of denture teeth.

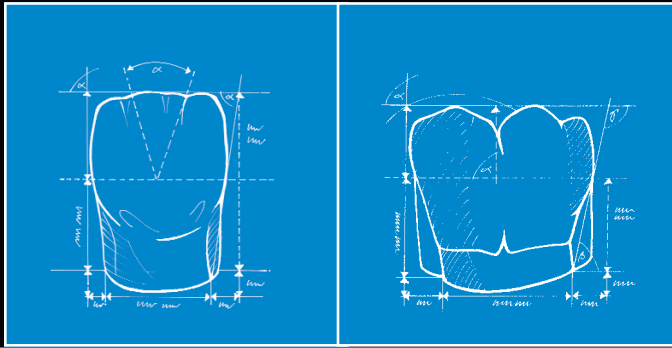
Nature was the model for the design of these teeth. Nature defined the requirements – in function and aesthetics. The result: a tooth with an impressively natural look, unique blend and appealing surface structure. Interdental closures and the implementation of the biomechanical concept of occlusion set new standards for functionality.

Tooth structure

Pre-fabricated teeth must be adapted to the existing clinical situation. Thanks to the special layering concept of the Genios® denture teeth, the natural appearance remains even when corrections were made. The high-quality INPEN® material helps ensure an excellent level of abrasion resistance, colour stability and plaque resistance.



Photo and dental appliance by
Master Dental Technician W. Gotsch



Genios® A & P

Brilliant and perfect.

Genios® A – Brilliant aesthetics

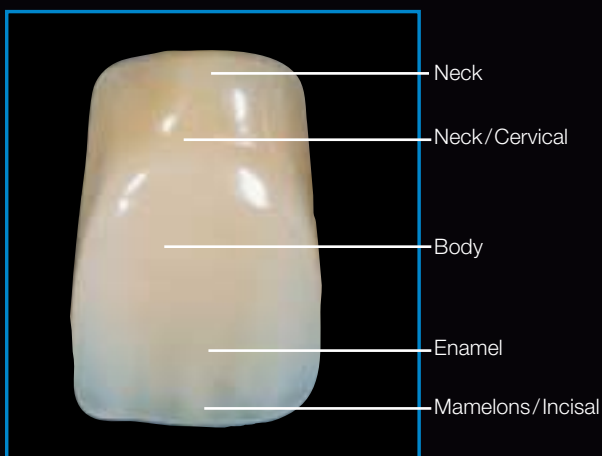
Genios® A anteriors derive their extraordinary aesthetics from:

- A layered structure, similar to ceramics, with five shade zones of different intensity
- A vivid surface texture with natural opalescence
- Systematic integration of mamelons

Interdental closures

The unique patented interdental closures developed by Master Dental Technician J. Stuck simplify work in various ways:

- No black interdental spaces, natural papillary shapes and therefore
- Support of “red” aesthetics
- Covers bars, attachments and clasps
- Seamless integration with the patient’s residual dentition



Focused mould variety

Practical experience has shown that a compact selection of moulds – nine upper and six lower – is sufficient to cover all patient cases. This means:

- Confident mould selection
- Less working capital
- Maximum flexibility



Genios® P – Perfect moulds

The anatomical shape of the Genios® P posteriors is based on the wax-up technique by Master Dental Technician M. H. Polz. Their morphology emulates the tooth shapes, leaving ample room for anatomical adjustments. These teeth are easily modified to reflect patients' individual needs and ages.

The tooth volume supports harmonic integration into the residual dentition.

Biomechanical concept of occlusion

The Genios® P posteriors were developed by M. H. Polz following the original biomechanical concept of occlusion.

This offers the following advantages:

- The resulting fully anatomic cusp and fossa relief improves the denture wearer's masticatory function.
- Genios® teeth can be set up in tooth-to-tooth or tooth-to-two-teeth relation.

Different posterior shapes

Four of the five posteriors are available in two different shapes.



- The maximized version is ideal for severely atrophied ridges. It offers extra substance for improved aesthetics by permitting more profoundly detailed modelling.



- The optimized version is ideal for partial dentures or where space is at a minimum. Grinding is reduced, saving time and permitting efficient procedures.

Shade system

Genios® teeth are available in V-shades from A1–D4.



NT-Set-up System

Natural Prosthodontics.

NT – Natural Prosthodontics

This system uses novel biomechanical concepts to fulfil the desire, voiced by many patients, for the best possible reconstruction of their original physiognomy and their natural speech pattern. It helps create high-quality “comfort dentures” with excellent aesthetics, phonetic and functional properties, restoring the patients’ quality of life.



The positional stability of the denture on its denture bed is also greatly improved. Pressure sores – and the ensuing need for denture adjustment at chairside – are reduced to a minimum.

The NT principle

NT consistently avoids outdated prosthodontic dogma: No anatomical averages are used that only result in uniform standard restorations. It is no longer the mandible, less strongly connected via joints and ligaments, that determines the situation in the maxilla. Conversely, the maxilla, firmly integrated into the entire cranium, that determines the dimensions of a complete denture. The tooth setup is no longer determined by the atrophied ridges but by the correct muscular balance.



Bioplus®

Bioplus®

Versatile and successful.



Versatile classic

The successful Bioplus anterior moulds are unsurpassed in their variety. A total of 60 anteriors are available in Biodent® shades (10–41), plus 44 anteriors in V-Shades (A1–D4). This ensures that there is a matching denture tooth for every clinical situation.

The four layers of the Bioplus® teeth create a vivid depth effect. Incisal shadows, incisal enamel discontinuities and natural fluorescence and opalescence round off the excellent overall aesthetic impression.

Physique (type harmony)

Prof. Kretzschmer's well-known classification of physiques distinguishes three main types:

- Leptosome (L) – slender (lean)
- Athletic (A) – strong, muscular
- Pycnic (P) – robust



Leptosome (L) – slender (lean)



Athletic (A) – strong, muscular



Pycnic (P) – robust

As a person's dentition is closely related to his or her physique, Bioplus® denture teeth are divided into three groups representing the three physiques. In this way, the individual matching tooth set is rapidly and reliably selected.



Artiplus® & BioStabil®

Versatile and successful.

Artiplus® – Special pyramidal layering

The overall natural impression of Artiplus® posteriors is owed, in part, to the pyramid-style layering of three masses of different shades. The cervical area is distinctly darker than the tooth crown. Together with the interdental shadows, this makes for an extraordinarily vivid appearance of the posterior teeth and denture.

The dark core shows through in the deepest areas of the molar fossae, between the cusps made of translucent enamel.

In this way, the fossa can be designed to a darker finish and highlighted optically.

Basal concavity and cervical collar

The concave basal surface ends in a cervical collar and goes all the way around the tooth. This extends the contact area, providing better retention in wax and, ultimately, in the resin base.

If the tooth needs to be shortened, it can be ground in quickly and easily.

Easy set-up

In designing the Artiplus® moulds, positive scientific evidence and aspects of masticatory function were both taken into consideration. This results in the following advantages:

- Excellent masticatory balance thanks to permanent multi-point contact at cusp inclinations of 25°–28°.
- The guiding surfaces of the occlusal relief guide the jaws safely to central occlusion.
- Ridges with shear action for high masticatory effect using low masticatory forces.

Shade system

The six Artiplus® posteriors are available both in V-shades (A1–D4) and in Biodent shades (10–41).

Artiplus® BioStabil®



BioStabil® – Time-saving set-up

The cusp relief of the BioStabil® posteriors is physiologically reduced (20° – 22°). Rather than contact points, you get contact zones which the teeth glide on and by which they are supported during function.

Articulatory balance is rapidly and easily achieved, making subsequent adjustment almost completely unnecessary.

Biostatic occlusal complex

The biostatic occlusal complex has given the BioStabil® line of denture teeth its name. The biostatic principle helps reduce the disadvantages of oblique planes. Transversal loads are kept to a minimum. BioStabil® dentures are extremely stable, with minimal load on the denture base, thus protecting the edentulous ridge.

No obstacles exist to gliding movements in the masticatory range, nor any excessive intercuspation. This physiological “tolerance” renders BioStabil® denture teeth suitable for all types of bite.

Shade system

Five BioStabil® posteriors are available in V-shades (A1–D4) and eight in Biodent shades (10–41).



Cosmo HXL



Cosmo *HXL*
Natural and functional.



Cosmo *HXL* – The Natural Choice

Popular moulds, shades and excellent articulation make Cosmo *HXL* the natural choice. The success of this tooth-line is based on a perfect combination of three parameters:

- Natural aesthetics
- Excellent material properties
- Easy handling

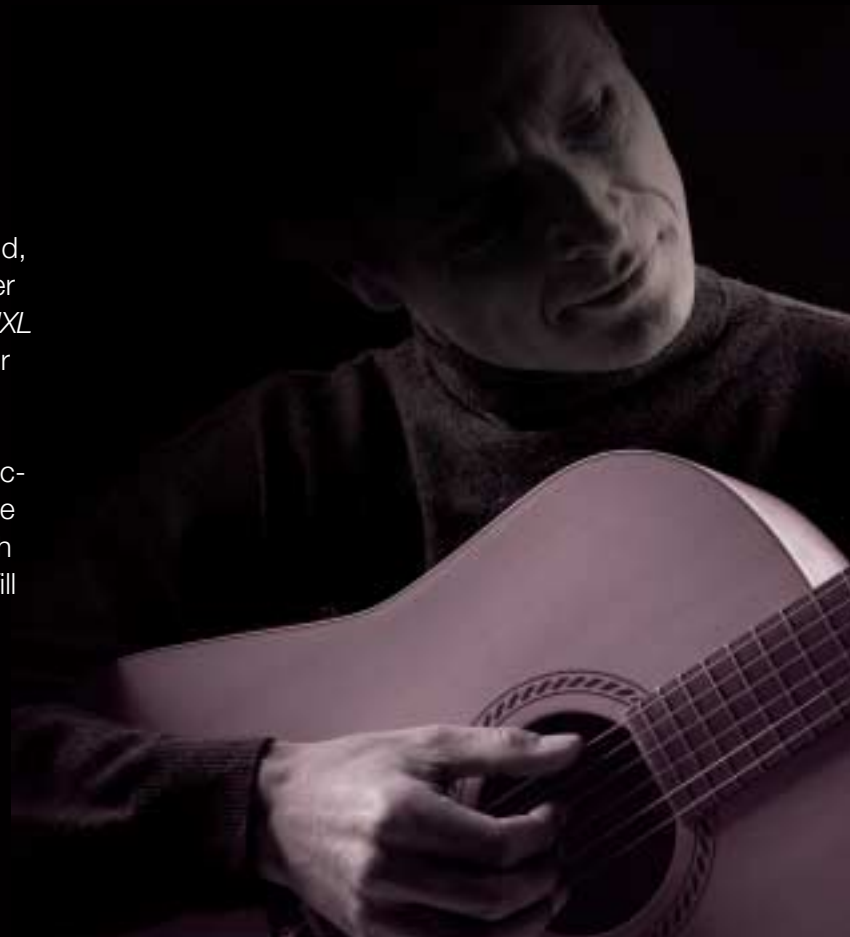
Easy Handling

The logical mould coding (tapering, round, square) makes the shape selection easier and more convenient. Moreover Cosmo *HXL* posteriors are easy to set-up due to their reduced cusp angle of 20°.

All Cosmo *HXL* teeth are available in the most popular V-shades. This shade selection is simplified, too. The comprehensive mould variety helps to minimize the tooth stock without losing the flexibility to fulfill every prosthetic case.

Superior HXL Material

Cosmo teeth are made of HXL (= highly cross-linked) high quality PMMA resin. This ensures outstanding wear rate figures.



Dentacryl® HXL

Dentacryl® HXL
Reliable and economical.



Dentacryl® HXL – For all economy work

There is more than one good reason why Dentacryl® HXL teeth are a perfect option for all your economy work:

- With its natural fluorescence and special incisal blending it offers good aesthetics
- Special posteriors SA and SB have freely interacting cusps. Whether on a fixed articulator or a fully adjustable articulator, a well balanced occlusion is more quickly achieved throughout bilateral excursions in a variety of planes.
- To reduce baulk and grinding, 3 types of posterior moulds are offered in graduated sizes with a natural buccal contour and a reduced basal profile.
- A focussed shade and mould selection helps to keep your tooth stock at a minimum.

Superior HXL Material

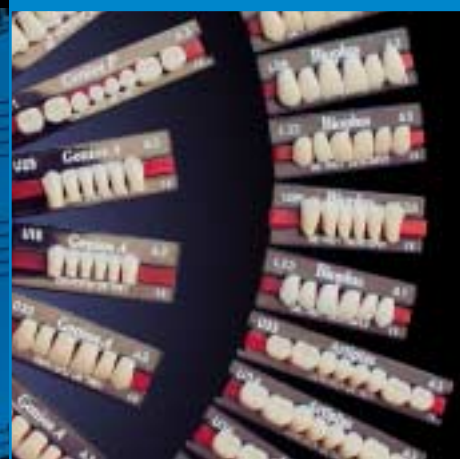
Dentacryl® teeth are made of HXL (= highly cross-linked) high quality PMMA resin. This ensures outstanding wear-rate figures.



Overview: DENTSPLY tooth program

Genios[®], Bioplus[®], Artiplus[®], BioStabil[®],
Cosmo HXL, Dentacryl[®] HXL

	Shades	Moulds	Material	Design characteristics
Anteriors	Genios[®] A	16 V-shades (A1–D4)	9 upper 6 lower	INPEN [®] resin <ul style="list-style-type: none"> • Special layering, five shade zones • Vivid surface texture • Integration of Mamelons • Anatomical tuberculum • Interdental closures
	Bioplus[®]	18 Biodent shades (10–41) 16 V-shades (A1–D4)	44 upper 16 lower 29 upper 15 lower	INPEN [®] resin <ul style="list-style-type: none"> • 4 layers • Incisal shadows • Incisal enamel discontinuities • Mould classes: leptosome, ath
	Cosmo HXL	14 V-Shades (A1–D4, without C1 and B1)	22 upper 7 lower	HXL resin <ul style="list-style-type: none"> • Logical mould coding, tapering • Popular moulds and shades • Excellent articulation
	Dentacryl[®] HXL	9 Dentacryl [®] HXL Shades	15 upper 7 lower	HXL resin <ul style="list-style-type: none"> • Reduced shade system • Special incisal blending
Posteriors	Genios[®] P	16 V-shades (A1–D4)	5 + 4 upper 5 + 4 lower	INPEN [®] resin <ul style="list-style-type: none"> • Special layering, five shade zones • 33° cusp inclination • Interdental closures • Optionally enlarged premolars • Optional R moulds with reduction
	Artiplus[®]	18 Biodent shades (10–41) 16 V-shades (A1–D4)	6 upper 6 lower 6 upper 6 lower	INPEN [®] resin <ul style="list-style-type: none"> • 25° – 28° cusp inclination • 3 layers (pyramidal layering) • Cervical collar • Basal concavity
	BioStabil[®]	18 Biodent shades (10–41) 16 V-shades (A1–D4)	8 upper 8 lower 5 upper 5 lower	INPEN [®] resin <ul style="list-style-type: none"> • 20° – 22° cusp inclination
	Cosmo HXL	14 V-Shades (A1–D4, without C1 and B1)	5 upper 5 lower	HXL resin <ul style="list-style-type: none"> • 20° cusp angle • Popular moulds and shades
	Dentacryl[®] HXL	9 Dentacryl [®] HXL Shades	9 upper 9 lower	HXL resin <ul style="list-style-type: none"> • Reduced shade system • Special posteriors (SA & SB) ha



	Properties
nes	<ul style="list-style-type: none"> • Brilliant aesthetics • Perfect form
etic, pycnic	<ul style="list-style-type: none"> • Natural opalescence and fluorescence • Fast and confident mould selection physique (type harmony) system
, round and square	<ul style="list-style-type: none"> • Easy mould selection
nes	<ul style="list-style-type: none"> • Minimized tooth stock • Better aesthetics
in the basal area	<ul style="list-style-type: none"> • Brilliant aesthetics • Occlusal surfaces follow biomechanical concept of occlusion (M.H. Polz) • Set-up in tooth-to-tooth or tooth-to-two-teeth • NT Set-up concept supported
	<ul style="list-style-type: none"> • Easy set-up • High masticatory effect using low masticatory forces • Highlighted coloured fissures • Good mechanical retention
	<ul style="list-style-type: none"> • Physiologically reduced cusp relief • Rapid set-up • Biostatic occlusal complex
	<ul style="list-style-type: none"> • Easy to set-up
ave freely interacting cusps	<ul style="list-style-type: none"> • Minimized tooth stock • Quick achievement of well balanced occlusion



All teeth according
ISO 3336

Sales through:



Perfectly combined components

To ensure a high level of processing reliability, we offer a comprehensive prosthodontic system, all components are perfectly combined with our toothlines.

Triad Custom Tray

For simple fabrication of stable and firm custom impression trays. No waiting required.

Isolant

Dental-stone model and flask isolation liquid for denture fabrication and repairs.

Pinnacle Modelling Wax

Modelling wax perfectly suited for partial and complete denture modelling and tooth set-up and for augmenting bite rims.

Lucitone 199

High-impact denture base resin combining economy with exceptional strength to generate all-round profitability. The fine powder ensures a dense compact mix, avoiding porosity or raised bites.

Trevalon

Versatile and easy to use heat-curing denture base resin. The long working time makes for easy multiple packing and its good polishability makes for easy finishing.

Stellon QC-20

A 20 minute Quick Cure heat-curing denture base resin for aesthetic full and partial dentures.

EU-Representative:

DeguDent GmbH
Postfach 13 64 · D-63403 Hanau
www.dentsply-degudent.com

DENTSPLY