

NYTE 3D

NYTE3D Dental Resins

Efficient 3D-printing in the dentistry



1 More than a manufacturer

Our partners can rely on us. Beside highly-qualified employees in our development department, we provide our resellers with an extensive support and service around the 3D-printing.

And we support our partners in building up know-how in this field, having in mind the current level of knowledge so that we can define common objectives.

2 Made in Germany

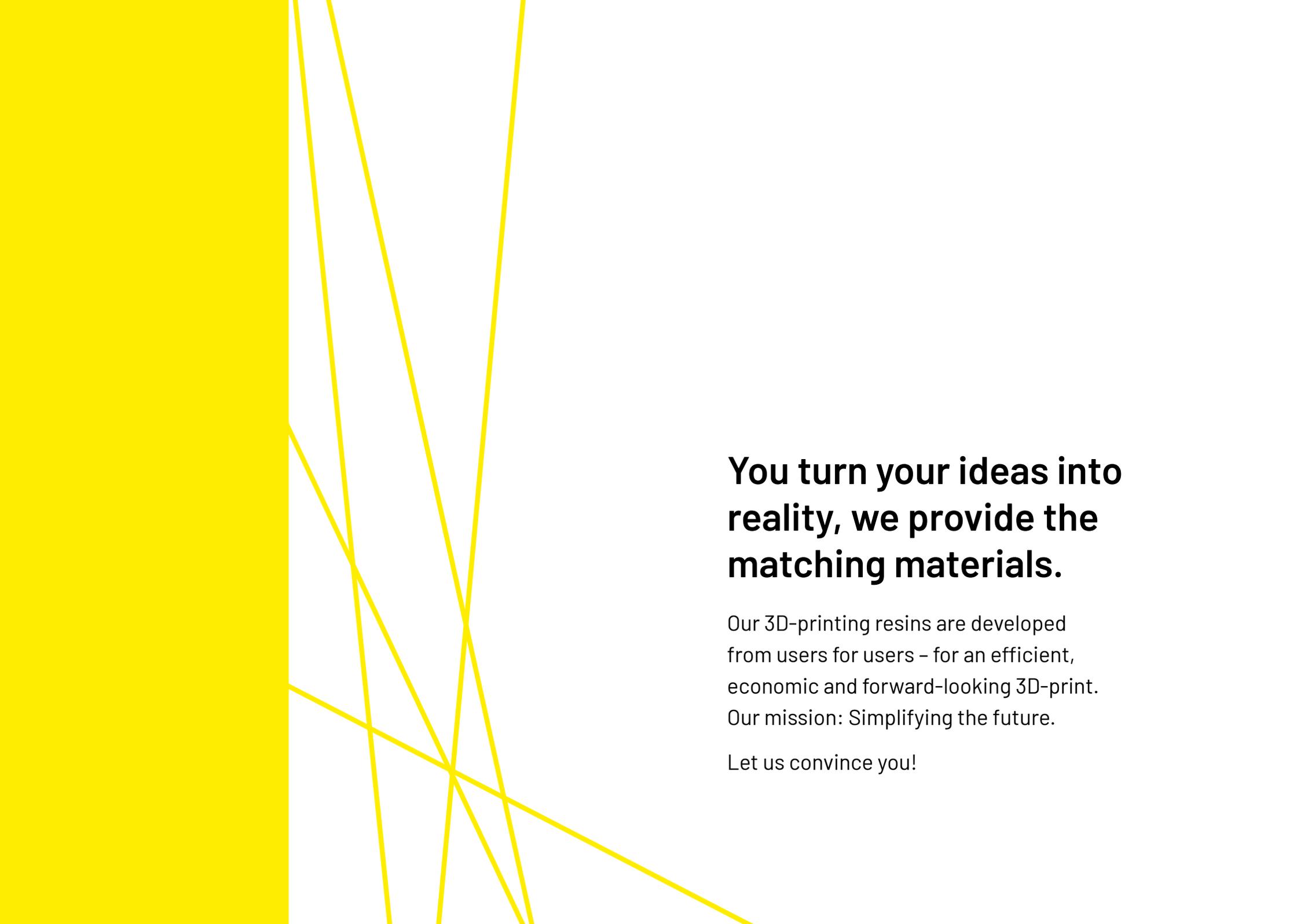
Our materials are developed and manufactured in Celle near the city of Hanover and they are subject to continuous and meticulous quality checks.

Our team comprises technicians, chemists and businessmen who are not willing to rest on the current state. We focus on the future and on our aim to develop user-friendly materials so that the 3D-printing process becomes more and more part of the dental manufacturing.

3 From users for users

Our product developing team has its origin in the dentistry and knows all the day-to-day challenges concerning the dental 3D-printing. Time-sensitive projects, misprints caused by the material and time-intensive cleaning of printed objects aggravate the final establishing and acceptance in the dentistry.

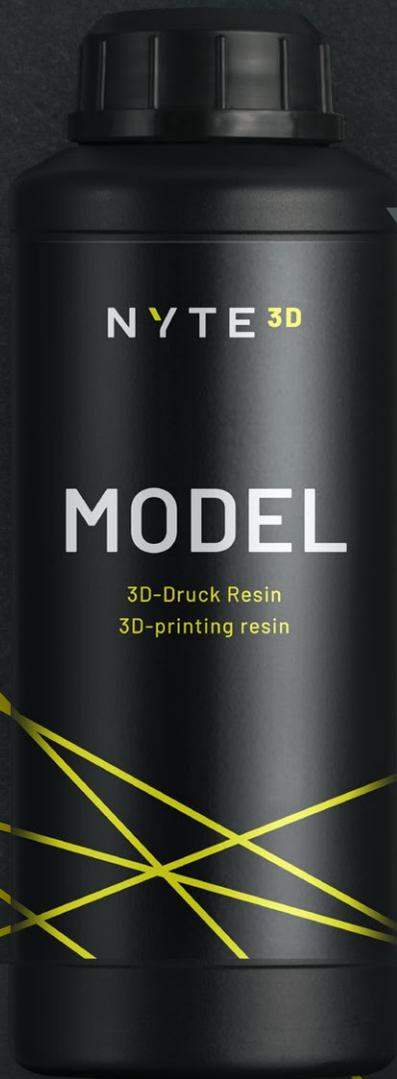
All these facts induced us to develop new materials. From users for users. For an efficient and economic 3D-printing.

The image features a bright yellow background on the left side, which transitions into a white background on the right. Several thin, yellow lines of varying lengths and orientations cross the white area, creating a dynamic, abstract pattern. The main text is positioned on the right side of the white area.

You turn your ideas into reality, we provide the matching materials.

Our 3D-printing resins are developed from users for users – for an efficient, economic and forward-looking 3D-print. Our mission: Simplifying the future.

Let us convince you!



Available in
5 COLOURS

NYTE 3D

MODEL

3D-Druck Resin
3D-printing resin

1 Short exposure time

A short exposure time gently treats the light and imaging unit of your dental 3D printer. The economic efficiency increases.

2 Finest details

Short exposure times as well as a high opacity and reactivity ensure that defined edges can be printed precisely and at least smallest details can be replicated.

3 High material reactivity

Due to the high material reactivity, time-sensitive projects can be printed in no time at all.

4 Very liquid

The advantages of a low viscosity: faster printing process ways, easy cleaning and lower material consumption.



Colour
IVORY HC



Colour
SAND



Colour
GREY



Colour
NIGHT



Colour
FLAMINGO

NEW
Model Ivory
High Contrast
Maximised contrast
gives appearance like
dental stone!

MODEL

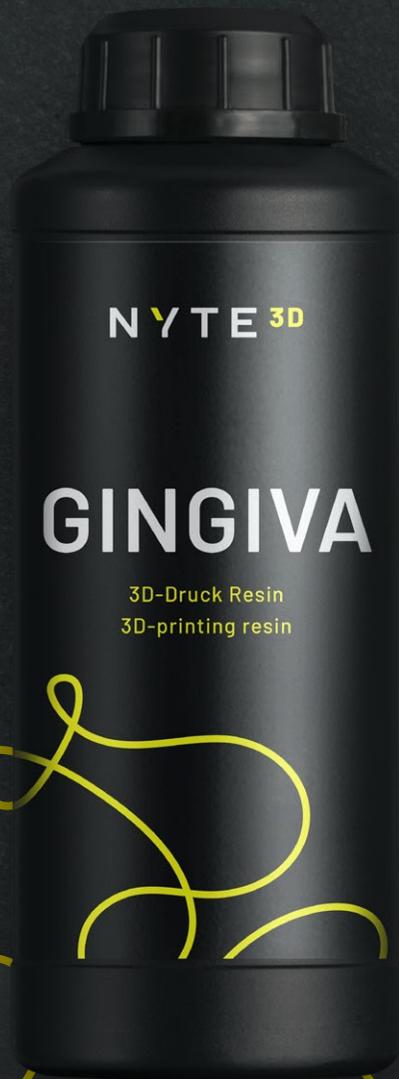
3D-printing resin for perfectly-fitting dental models

To fulfil all requirements of digital model making, we have cooperated with dental technicians and other experts. The result is a dental model material for making crowns, bridges, aligner models, prosthetic models, diagnostic models and implant models.

The resin was developed especially for dental laboratories and can be used in devices with a wavelength of 385 nm and 405 nm. You can freely decide if you use the material in a LCD printer or a DLP printer.

Perfect for

- ✓ Crown models
- ✓ Bridge models
- ✓ Aligner models
- ✓ Prosthetic models
- ✓ Diagnostic models
- ✓ Implant models



1 Perfectly suitable to work on

Gingival masks made of our NYTE3D Gingiva 3D-printing resin have perfect processing properties.

2 Realistic colours

It was our aim to colour the NYTE3D Gingiva 3D-printing resin as real as possible to get a model which is perfectly suitable to be processed.

3 High tearing strength

We have optimised the mixture of the NYTE3D Gingiva 3D-printing resin to ensure that the printed gingival mask is as tear-resistant as possible.

4 Soft & flexible

The NYTE3D Gingiva 3D-printing resin has highly flexible properties and can be used perfectly to make implant models.

GINGIVA

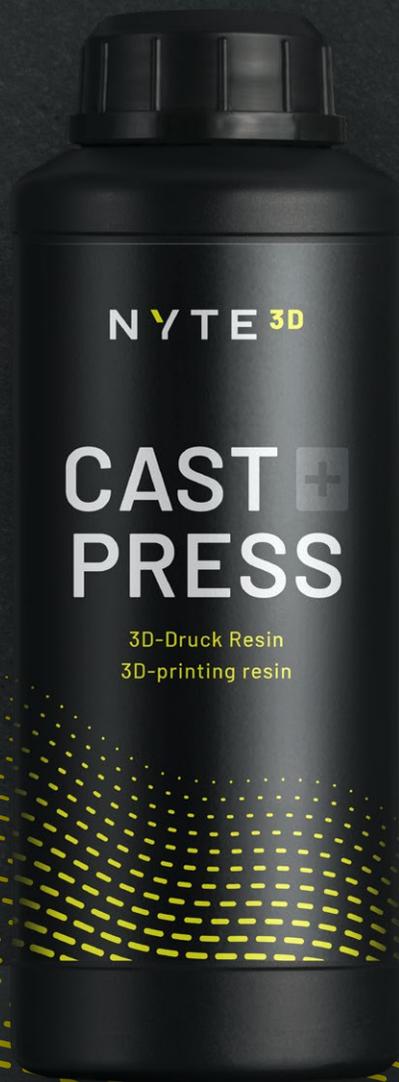
3D-printing resin for tear-resistant and aesthetic gingival masks

The NYTE3D Gingiva 3D-printing resin has a natural gingival colour. The optically appealing impression ensures – in combination with an excellent flexibility – a satisfying working process in the dental lab. It matches perfectly with our Model 3D-printing resin to make implant models based on scan files. The gingiva 3D-printing resin can be used in devices with a wavelength of 385 nm and 405 nm.

Perfect for

- ✓ Gingival masks
-





1 Firing without residues

The NYTE3D Cast 3D-printing resin can be fired nearly residue-free. Therefore, it can be perfectly used for any kind of casting indications.

2 Low expansion

Our material shows only a low expansion. Advantage: muffles crack less and model casts, crowns and bridges become more exact.

3 Finest Details

Short exposure times as well as a high reactivity ensure that defined edges can be printed precisely and at least smallest details can be replicated.

4 Press ceramic compatible

The 3D-printing resin Cast + Press can also be used for dentures made of lithium disilicate.



CAST + PRESS

3D-printing resin for castable
and pressable objects

A highly-detailed printing result and a low material expansion during the firing process are product properties of our NYTE3D Cast + Press 3D-printing resin.

Perfect for

- ✓ 3D-printing of subsequently to be pressed bridges, veneers, inlays or onlays
- ✓ Framework castings and other fine, casted indications

NYTE 3D

BENEFIT 1

Our 3IN1 resin is BPA-free

Bisphenol A – BPA for short – is considered to be an endocrine disruptor. This term refers to substances that can cause adverse health effects as a result of interfering with the human hormonal system. In the EU, BPA was banned in baby bottles as long ago as 2011. This ban has since been extended to all drinking bottles for infants. In 2021, the tolerable daily intake (TDI) value for exposure to BPA was reduced by a factor of roughly 100,000. We see ourselves as having a duty of care here and therefore do not use BPA in our 3IN1 product.

BENEFIT 2

Up to 50% faster

Are you used to medical products that are highly viscous and not very reactive? Not with us! Optimised to ensure rapid print turnaround times, NYTE3D 3IN1 is a 3D printing material for manufacturing medical devices that are intended for temporary use in the oral cavity. With its low viscosity and high light sensitivity, NYTE3D 3IN1 achieves print times that are up to 50% shorter.

BENEFIT 3

LCD- and DLP-compatible

Whether you're working with LCD printers (405 nm wavelength) or DLP printers (385 nm wavelength), NYTE3D 3IN1 offers excellent printing results with either technology.

¹ Vgl.: https://www.bfr.bund.de/de/bisphenol_a_in_alltagsprodukten__antworten_auf_haeufig_gestellte_fragen-7195.html
26.2.2023



3IN1
TRAY



3IN1
TRY-IN



3IN1
SET-UP



3IN1 MEDICAL

1 Material 3 Indications

Our NYTE3D 3IN1 resin is available in 3 colours. The colour designates the respective primary indication.

The operator selects the colour that they want to use. As an example, the NYTE3D CREAM material is suitable both for printing functional try-ins and for printing individual impression trays. All materials are also approved for the printing of set-ups.



Colour
PETROL

NYTE 3D

TRAY

3IN1 **MEDICAL**

3D-Druck Resin
3D-printing resin

1 Short exposure time

NYTE3D 3IN1 is a biocompatible 3D-printing material that has been optimised for rapid turnaround times. The exceptionally short exposure times reduce print times and cause less wear on your 3D printer.

2 Stability

NYTE3D 3IN1 has outstanding dimensional stability, which promotes exact impressions and reduces the risk of breakage.

3 BPA-free

To ensure worry-free oral cavity impressions, our NYTE3D 3IN1 resins are BPA-free and biocompatible.

4 Very liquid

The advantages of a low viscosity: faster printing process ways, easy cleaning and lower material consumption.



Colour
PETROL



TRAY **3IN1**

3D-printing resin for
precise impression trays

NYTE3D 3IN1 TRAY is a BPA-free 3D-printing resin with the colour-coded primary indication: impression trays.

To guarantee consistent impressions, we use only the very highest-quality raw materials, which we subject to continuous quality testing. NYTE3D 3IN1 TRAY is exceptionally resistant to breakage, which significantly reduces the risk of injury due to trays fracturing in the oral cavity.

Perfect for

- ✓ Individual trays
- ✓ Functional trays

Also approved for

- ✓ Base plates
- ✓ Functional & aesthetic try-ins



Colour
CREAM



1 Short exposure time

NYTE3D 3IN1 is a biocompatible 3D-printing material that has been optimised for rapid turnaround times. The exceptionally short exposure times reduce print times and cause less wear on your 3D printer.

2 Stability

Our NYTE3D 3IN1 resin has outstanding dimensional stability, which ensures high-precision try-ins.

3 BPA-free

To ensure worry-free oral cavity impressions, our NYTE3D 3IN1 resins are BPA-free and biocompatible.

4 Very liquid

The advantages of a low viscosity: faster printing process ways, easy cleaning and lower material consumption.



Colour
CREAM

TRY·IN **3IN1**

3D-printing resin for functional and aesthetic try-ins

NYTE3D 3IN1 TRY-IN is a BPA-free 3D-printing resin with the colour-coded primary indications: functional and aesthetic try-ins.

The raw material components have been chosen to ensure an excellent fit without having to compromise on achieving outstanding printing characteristics. As NYTE3D 3IN1 TRY-IN is easy to polish, this also makes aesthetic try-ins possible.

Perfect for

- ✓ Functional try-ins
- ✓ Aesthetic try-ins

Also approved for

- ✓ Individual & functional trays
- ✓ Base plates



Colour
GUM



1 Short exposure time

NYTE3D 3IN1 is a biocompatible 3D-printing material that has been optimised for rapid turnaround times. The exceptionally short exposure times reduce print times and cause less wear on your 3D printer.

2 Gingiva colours

Our choice of colouration reflects the natural gum hue, so as to ensure an aesthetically appealing presentation on the patient.

3 BPA-free

To ensure worry-free oral cavity impressions, our NYTE3D 3IN1 resins are BPA-free and biocompatible.

4 Very liquid

The advantages of a low viscosity: faster printing process ways, easy cleaning and lower material consumption.



Colour
GUM

SET·UP **3IN1**

3D-printing resin for prosthetic trays
for try-ins and bite registrations

NYTE3D 3IN1 SET·UP is a BPA-free 3D-printing resin with the colour-coded primary indication: base plate trays.

With bases for try-ins, printed using NYTE3D 3IN1 SET·UP, it is easy to check the function and aesthetic appeal before executing the final production. The colour has been chosen to reflect the natural gum hue, to aid you in producing an aesthetically appealing try-in that offers your patient the best visualization possible.

Perfect for

- ✓ Base & bite plates
- ✓ Denture bases for try in

Also approved for

- ✓ Individual & functional trays
- ✓ Functional & aesthetic try-ins



"I have been searching for a resin to print easily reproduceable models for a long time. With NYTE3D Model I have found an excellent product which fulfils all my expectations."

Stefan Bichler
Dental laboratory Krems Bichler GmbH – Austria



"Since I use NYTE3D Model, there are no misprints anymore. Especially while treating time-sensitive projects and in peak times, I am more than happy being able to print the incoming scans quickly and easily."

Ömür Pak
Oraldesign Pak

NYTE 3D

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**You are interested
in our materials?
Let us convince you!**

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