



SCHEU-DENTAL
“Home of Dental Experts”
Innovations 2024/25

Asiga Ultra

The Asiga Ultra expands 3D printing technology with its advanced 4K DLP imaging technology, enlarged build plate and at the same time a more precise pixel size of only 50 µm, which enables high detail accuracy and surface quality. Equipped with the latest generation of DLP projectors in the 385 nm wavelength range, it adapts seamlessly to a wide range of applications and supports comprehensive material compatibility. An exceptionally intuitive user interface, complemented by functions such as contactless bonnet actuation, innovative infrared heating and fast material changeover, make it ideal for any application. In addition to advanced automation and monitoring capabilities, Asiga's latest device also offers a workflow that does not require any calibration. With its compact size of 340 x 440 x 555 mm and a weight of 30.5 kg, the Asiga Ultra combines a compact footprint with industrial performance.

Technical data:

Dimensions (W x D x H): 340 x 440 x 555 mm

Build volume (X, Y, Z): 192 x 108 x 145 mm

Consistent data formats: STL, SLC, STM

Image technology: 4K DLP imaging with SPS™ technology

Pixel size: 50 µm

Light source: UV LED projector

Wavelength: 385 nm

Voltage source: 100–240 V, 50/60 Hz

Power: 600 W

Weight: 30.5 kg

Printing time using the example of 100 µm/vertical positioning: approx. 15 sprockets in 80 min.



/// Asiga Ultra	6582.1 1 Piece
/// Endurance™ Ultra Build Tray, 2 l	6583.1 1 Piece
/// UltraGLOSS™ Ultra Build Tray, 2 l	6584.1 1 Piece
/// Endurance™ Ultra Build Tray, 5 l	6585.1 1 Piece

Asiga Max 2

Designed for the dental, audiology and manufacturing industries, the Asiga MAX 2 combines advanced DLP imaging technology with a pixel size of 62 µm for detailed, high-quality prints. It provides access to over 500 materials and is characterised by intuitive operation, 60-second calibration and fast material changes. As a complete system including the Asiga Composer software with lifetime updates, WiFi, Wireless Direct and Ethernet connectivity, the Asiga MAX 2 offers everything for immediate use in any laboratory.

Technical data:

Dimensions (W x D x H): 260 x 385 x 370 mm

Build volume (X, Y, Z): 119 x 67 x 76 mm

Consistent data formats: STL, SLC, STM

Image technology: HD DLP imaging with SPS™ technology

Printing time using the example of 100 µm/vertical positioning: approx. 7 sprockets in 80 min.



/// Asiga Max 2	6580.1 1 Piece
-----------------	-------------------

Asiga MAX Universal-Tray

The tray system of the Asiga MAX ensures easy changing and refilling of materials and comprises four different trays with a maximum print capacity of 1 litre, 2 litres, 5 litres or 10 litres. Maximum fill level per application 300 to 400 ml. With RFID chip for recording the object volume generated during the printing process. It is not possible to use the tray beyond its maximum print volume.

// 1 l	6516.1 1 Piece
// 2 l	6515.1 1 Piece
// 5 l	6517.1 1 Piece
// 10 l	6518.1 1 Piece

Compatible with Asiga MAX 2



Asiga MAX Low Force Build Tray

The Asiga MAX Low Force Build Trays differ from the other trays thanks to their additional matted foil. This double foil technology reduces the withdrawal forces during printing and diffuses the light to provide a higher contrast and velvety surface on the printed objects.

// Asiga MAX Low Force Build Tray, 1 l	6520.1 1 Piece
--	-------------------

Compatible with Asiga MAX 2



Asiga MAX UltraGLOSS™ Tray

UltraGLOSS™ from Asiga allows you to print transparent parts directly with a glossy / pre-polished surface, reducing the need for manual re-polishing. Simply print your parts with Asiga's new UltraGLOSS™ trays and then wash and cure them according to the material manufacturer's guidelines. No further special post-processing steps are required.

The result: a pre-polished surface straight from the 3D printer.

// Asiga MAX UltraGLOSS™ Tray, 1 l	6556.1 1 Piece
------------------------------------	-------------------

Compatible with Asiga MAX 2



Tray Box Asiga MAX

Storage box made of opaque plastic for storing Asiga MAX trays between print jobs. The unused resin can remain in the tray during storage as it does not cure inside the opaque box. The lid can be labelled, so that several boxes can be used at the same time and can be easily distinguished from each other.

// Tray Box Asiga MAX	6552.1 1 Piece
-----------------------	-------------------



DURASPLINT® comfort MSI

New

The ideal solution for the fabrication of CAM-fabricated hard elastic occlusal splints. Thanks to the innovative MSI® technology (Multi Species Inhibition), the formation of biofilms is effectively reduced and plaque deposits are permanently prevented. The material impresses with its exceptional strength, maximum biocompatibility and outstanding aesthetics - for long-lasting and hygienic splints.

Reduced biofilm formation:

MSI® technology disrupts bacterial communication and minimises the build-up of biofilm and plaque.

Maximum stability:

Suitable for long-term use with high flexural strength.

Aesthetics and hygiene:

No discolouration and significantly reduced plaque build-up for improved oral hygiene.

Biocompatibility:

Free from potentially problematic additives, for maximum comfort and safety.



// DURASPLINT® comfort MSI, 16 mm

3624.1
1 Piece

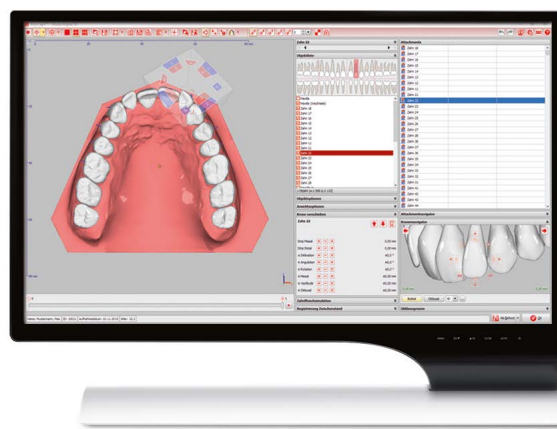
// DURASPLINT® comfort MSI, 20 mm

3625.1
1 Piece

OnyxCeph3™ CA® SMART 3D 2.0

An independent software solution for digital aligner planning and virtual bracket positioning, the OnyxCeph3™ CA® SMART 3D offers numerous interfaces to the practice software. As such, the new version remains focussed on the needs of lab owners in terms of precise planning, adjustment and control of digital aligner and multiband solutions. An automatic control of transpositions during set-up is defined in the CA® CLEAR ALIGNER treatment philosophy and correspondingly reflected in the software. Throughout all involved treatment steps, control and value creation remain completely in the hands of the user.

Besides processing 2D and 3D data sets, virtually segmenting teeth, creating presentations, digital bracket placement and exporting print data, the newly added modules in version 2.0, V.T.O. 3D and Kylix 3D allow for new comprehensive functions such as the serial export of all aligner steps and transfer of bracket positions.



// OnyxCeph3™ CA® SMART 3D 2.0

6514.1
1 Piece

CE 0494

System requirements

Network server and workstation with Intel 2.3 GHz (or higher), 8 GB RAM, 64-bit system, 200 GB HD space, Windows 7 operating system or later, Server OS, 1000 Mbps Ethernet, Nvidia GeForce GTXIGTS graphics card or equivalent.

IMPRIMO® LC Splint comfort

IMPRIMO® LC Splint comfort is a light-curing, methacrylate-based resin for the fabrication of hard-elastic splints. The resin is compatible with DLP and MSLA systems and wavelengths ≤ 405 nm. It offers greater flexibility and lower susceptibility to fracture compared to hard materials. The material also has a thermo effect induced by body temperature, ensuring maximum comfort in the mouth.

Indication: Production of hard-elastic splints

IMPRIMO® LC Splint comfort

6550.1
1 kg

CE

New



IMPRIMO® LC Splint comfort MSI

IMPRIMO® LC Splint comfort MSI is a light-curing, methacrylate-based resin for the fabrication of hard-elastic splints. The resin is compatible with DLP and MSLA systems and wavelengths ≤ 405 nm. It offers greater flexibility and lower susceptibility to breakage compared to hard materials. Thanks to the unique MSI® technology, the splints have reduced biofilm adhesion. The effect, inspired by nature, is based on natural substances that inhibit the spread of bacteria in the long term. Unlike antibiotics, for example, no resistance is developed. The material also has a thermo effect induced by body temperature, ensuring maximum comfort in the mouth.

Indication: Production of hard-elastic splints

IMPRIMO® LC Splint comfort MSI

6575.1
1 kg

CE

New



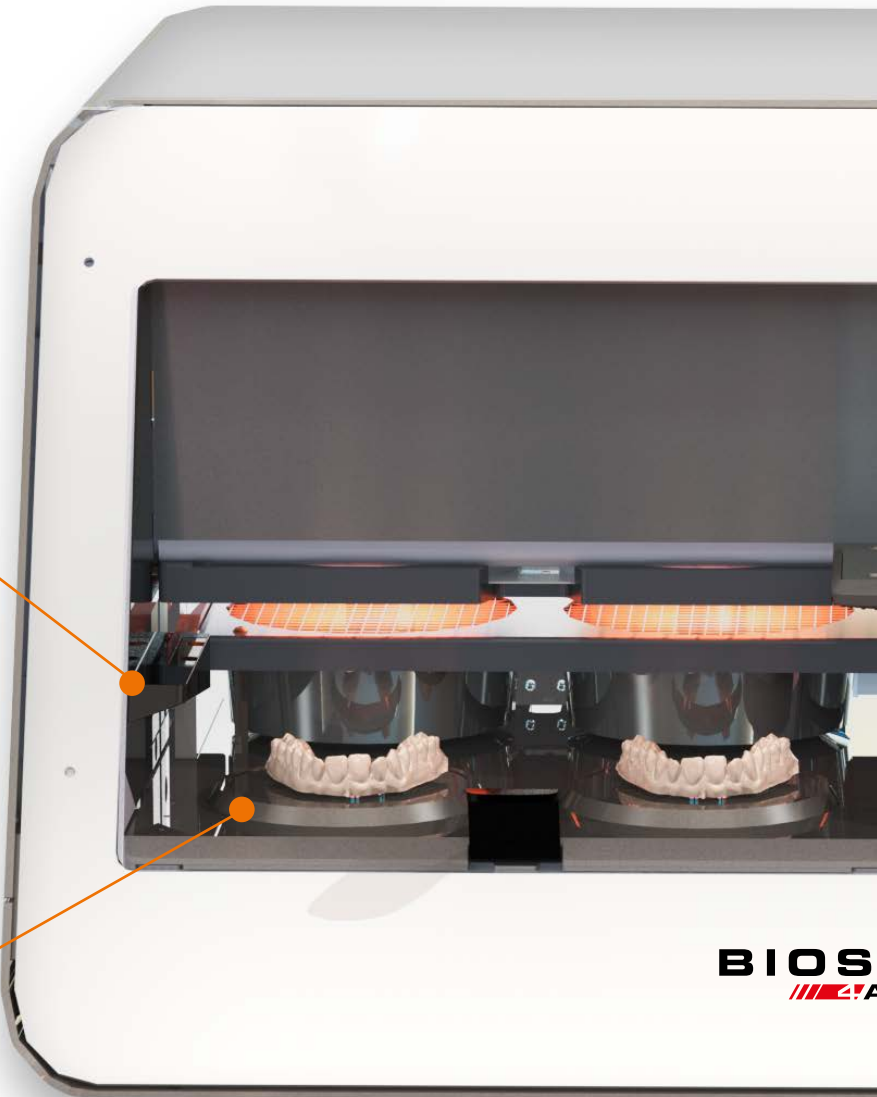
BIOSTAR® 4-Aligner

LAC Separator Pin Over Bar



Support for foil trays

Flat model support plate for easy support of the models



Technical Data

BIOSTAR® 4-Aligner & BIOSTAR® 4-Aligner LAC

Power: 1450 Watt
Working pressure: 4 bar
Dimensions (W x H x D): 612 x 337 x 524 mm
Weight: 56 kg

3-year warranty
10-year spare parts availability

BIOSTAR® 4-Aligner

The BIOSTAR® 4 -Aligner is a state-of-the-art multiple thermoforming unit. With its innovative technology up to 4 aligners can be flexibly thermoformed simultaneously, which enables an impressive production capacity of up to up to 160 aligners per hour. Each aligner is moulded in its own pressure chamber at 4 bar. The BIOSTAR® 4-Aligner offers the flexibility to choose from different SCHEU-DENTAL foil formats. These include round foils with a diameter of 120–125 mm as well as rectangular strips (499 x 114 mm), which are exclusively available from SCHEU-DENTAL and enable multiple applications.

Suitable for separation with: LAC Pin Over Bar

BIOSTAR® 4-Aligner	3030.1 1 Piece
BIOSTAR® 4-Aligner Protective Cover	3034.1 1 Piece

BIOSTAR® 4-Aligner LAC



LAC Separator Standard

LAC Separator Pin Over Bar



No support for foil trays

Raised model support plate for attaching the models with threads for simplified separation

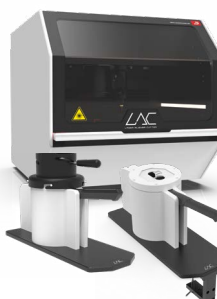
BIOSTAR® 4-Aligner LAC

New

The BIOSTAR® 4-Aligner LAC is a specialised version of our proven BIOSTAR 4-Aligner, designed for precise dental applications. In contrast to the standard model, this version does not have a support for foil trays and is instead equipped with raised model support plates. This configuration allows the model to be securely attached to the vacuum plate using known threads, which facilitates subsequent separation.

Suitable for separation with: LAC Pin Over Bar & LAC Separator Standard

The LAC Separator Standard and the LAC Separator Pin Over Bar are available in a bundle with the LAC (Laser Aligner Cutter) at www.smile-dental.de



BIOSTAR® 4-Aligner LAC

3032.1
1 Piece

BIOSTAR® 4-Aligner Protective Cover

3034.1
1 Piece

IMPRELON® S+ pd

Extremely breakproof and abrasion-resistant material. Already pre-dried and vacuum-sealed for instant use. Not suitable for building up with acrylate. With integrated insulation foil.

Indication: Top choice for retention splints.

0.75 x 125 mm rd	3331.1 10 Pieces	3331.2 100 Pieces
1.0 x 125 mm rd	3332.1 10 Pieces	3332.2 100 Pieces

CE 0044

New: expansion of the range



IMPRELON® S+ pd strips

Extremely breakproof and abrasion-resistant material. Already pre-dried and vacuum-sealed for instant use. Not suitable for building up with acrylate. With integrated insulation foil.

Indication: Top choice for retention splints, The strips are suitable for use with the BIOSTAR® 4-Aligner

0.625 x 114 x 499 mm strips	3334.1 10 Pieces	3334.2 100 Pieces
0.75 x 114 x 499 mm strips	3335.1 10 Pieces	3335.2 100 Pieces
1.0 x 114 x 499 mm strips	3336.1 10 Pieces	3336.2 100 Pieces

CE 0044

New: expansion of the range



UNIQ pd

The UNIQ pd thermoforming material offers an innovative solution for aligner treatments by achieving maximum effect with just one layer. Unlike many multilayer foils, UNIQ pd permanently withstands forces generated during the entire treatment without any loss of stability. UNIQ pd's improved material characteristics mean that it exerts less pressure over an extended period of time compared with conventional single-layer aligner materials. Thanks to its gentle initial forces and constant restoring forces, it also offers considerably higher wearing comfort. As a result, the teeth move more smoothly and efficiently whilst the patient enjoys higher wearing comfort at the same time.

Indication: Top choice for aligners

0.5 x 125 mm rd	3647.1 10 Pieces	3647.2 100 Pieces
0.625 x 125 mm rd	3648.1 10 Pieces	3648.2 100 Pieces
0.75 x 125 mm rd	3649.1 10 Pieces	3649.2 100 Pieces

CE 0044

New



UNIQ+ pd

The UNIQ+ pd thermoforming material offers an innovative solution for aligner treatments by achieving maximum effect with just one layer. Unlike many multilayer foils, UNIQ+ pd permanently withstands forces generated during the entire treatment without any loss of stability. UNIQ+ pd's improved material characteristics mean that it exerts less pressure over an extended period of time compared with conventional single-layer aligner materials. Thanks to its gentle initial forces and constant restoring forces, it also offers considerably higher wearing comfort. As a result, the teeth move more smoothly and efficiently whilst the patient enjoys higher wearing comfort at the same time. The UNIQ+ pd also offers a specially applied insulation foil for thermoforming processes with 3D-printed models.

Indication: Top choice for aligners

0.5 x 125 mm rd	3651.1 10 Pieces	3651.2 100 Pieces
0.625 x 125 mm rd	3652.1 10 Pieces	3652.2 100 Pieces
0.75 x 125 mm rd	3653.1 10 Pieces	3653.2 100 Pieces

CE 0044

New



UNIQ+ pd strips

The UNIQ+ pd thermoforming material offers an innovative solution for aligner treatments by achieving maximum effect with just one layer. Unlike many multilayer foils, UNIQ+ pd permanently withstands forces generated during the entire treatment without any loss of stability. UNIQ+ pd's improved material characteristics mean that it exerts less pressure over an extended period of time compared with conventional single-layer aligner materials. Thanks to its gentle initial forces and constant restoring forces, it also offers considerably higher wearing comfort. As a result, the teeth move more smoothly and efficiently whilst the patient enjoys higher wearing comfort at the same time. With the strips available exclusively from SCHEU-DENTAL, you can achieve ideal thermoforming results in combination with our new multiple thermoforming unit, the BIOSTAR® 4-Aligner. The UNIQ+ pd also offers a specially applied insulation foil for thermoforming processes with 3D-printed models.

Indication: Top choice for aligners. The strips are suitable for use with the BIOSTAR® 4-Aligner

UNIQ+ pd 0.5 x 114 x 499 mm strips	3657.1 10 Pieces	3657.2 100 Pieces
UNIQ+ pd 0.625 x 114 x 499 mm strips	3658.1 10 Pieces	3658.2 100 Pieces
UNIQ+ pd 0.75 x 114 x 499 mm strips	3659.1 10 Pieces	3659.2 100 Pieces

CE 0044

New



DURAN®+ strips

Hard-elastic transparent material, bonds to self-polymers such as DURASPLINT® and DURASPLINT® LC. Apply LC primer prior to using DURASPLINT® LC. With integrated insulation foil. No pre-drying required.

Indication: Miniplast splints and occlusal splints, aligners. The strips are suitable for use with the BIOSTAR® 4-Aligner

0.5 x 114 x 499 mm strips	3482.1 10 Pieces	3482.2 100 Pieces
0.625 x 114 x 499 mm strips	3483.1 10 Pieces	3483.2 100 Pieces
0.75 x 114 x 499 mm strips	3484.1 10 Pieces	3484.2 100 Pieces
1.0 x 114 x 499 mm strips	3485.1 10 Pieces	3485.2 100 Pieces

CE 0044

New: expansion of the range



CA® Pro+ strips

Three-layer aligner material with flexible elastomer core in a hard-elastic double shell which is able to maintain a constant level of force with minimum loss of strength. The flexible elastomer layer ensures high elasticity and break resistance, while reducing initial force and increasing patient comfort. CA® Pro+ can be used both as a single-splint aligner material and within the 3-splint system according to the CA® protocol. With integrated insulation foil.

Indication: Top choice for aligners. The strips are suitable for use with the BIOSTAR® 4-Aligner

0.5 x 114 x 499 mm strips	3488.1 10 Pieces	3488.2 100 Pieces
0.625 x 114 x 499 mm strips	3489.1 10 Pieces	3489.2 100 Pieces
0.75 x 114 x 499 mm strips	3490.1 10 Pieces	3490.2 100 Pieces

CE

New: expansion of the range



Notes



More information:

SCHEU-DENTAL GmbH
www.scheu-dental.com

Am Burgberg 20
58642 Iserlohn · Germany

phone +49 2374 9288-0
fax +49 2374 9288-90

