

HD Apeiron/42

CONTACT-FREE SCANNER



HD Apeiron/42 is perfect for quality control, apparel libraries, and reverse pattern drafting. Digitize apparel, fabrics, and patterns with precision.



See scanned examples:
contex.com/apparel-digitization



 **contex**[®]
WHEN IMAGING MATTERS

The future is here

PRECISION AND EFFICIENCY: THE NEXT ERA OF APPAREL DIGITIZATION

HD Apeiron/42

Step into a new era of large-format apparel, fashion and fabric digitization with the HD Apeiron/42 scanner, the latest groundbreaking innovation from Contex.

This advanced contact-free scanner transforms the way the fashion, fabric, and apparel industry can capture, preserve, and present materials. With unmatched precision, lifelike detail, and industry-leading technology, the HD Apeiron/42 cutting-edge contact-free scanner sets a new benchmark for capturing vibrant colors, and intricate textures with precise measurements.

Scan entire garments with precision in no time

Utilize the full scanning area of the HD Apeiron/42 to capture both finished garments and fabric samples. With a maximum scan size of 42x60 inches (1067x1524 mm), even large pieces are digitized in stunning detail.

Discover how HD Apeiron/42 can revolutionize your creative and production processes.

Contact us for a live demonstration:

contex.com/contact



No. 1 in large format scanning

Delivering world-class scanners to over 100 countries, Contex solutions are recognized by a wide range of industries for reliability, high performance and superb image quality.

We have earned our reputation as the market leader by developing state-of-the-art technology and software since 1923, and this position constantly inspires us to improve our business practices, products and services.

Let us help you digitize your original fabric and fashion designs and patterns.

HD Apeiron/42 – A game-changer

THE FASTEST WAY TO DIGITIZE LIBRARIES AND DATABASES

HD Apeiron/42 is a valuable investment for manufacturers looking to modernize their processes and future-proof their operations.

Create high-precision digital fabric libraries, ensuring accurate textures, colors, and patterns for seamless integration into production workflows.

Streamline production with a digital apparel library

Faster decision-making

Use the scanner as an efficient way to make a digital database with global online access to your apparel.

Showcase fabrics with precision and clarity

Confident purchasing with zero guesswork

With high-quality scans your can easily present your digitized fabric collection in true-to-life detail and impress clients with accurate reproductions of textures, colors, and paper patterns.

Minimize disruptions and maximize productivity

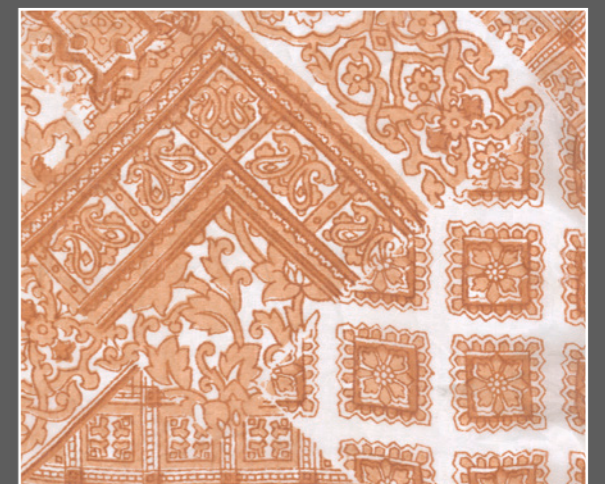
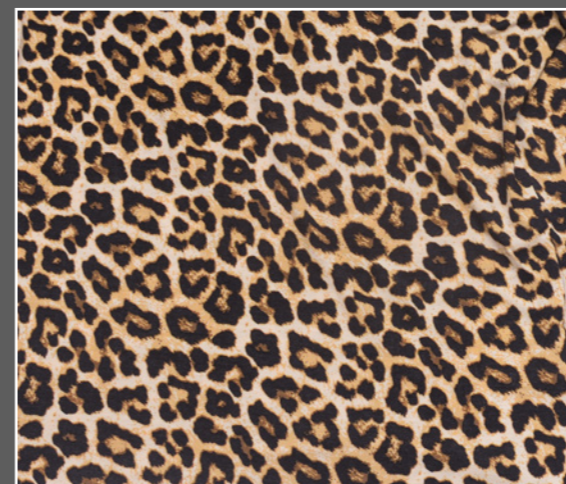
Differentiate yourself in the market

With ready-to-use digital outputs, HD Apeiron/42 simplifies the transition to fully digitized workflows.

Apparel



Fabric and design



SEE SCANNED EXAMPLES:
contex.com/apparel-digitization

The best basis for digital inspection

QUALITY AND DETAIL CONTROL

The unparalleled color accuracy of HD Apeiron/42 ensures every scan is a true-to-life representation of your apparel and fabrics.

From detailed garment prototypes to delicate fabrics, this scanner captures even the finest textures with remarkable clarity and color rendering.

Once the scanner is installed, there is no wasting valuable time on setting it up for any type of digitization. Just place the fabric or apparel on the scanner table, and scan.

Fabric and apparel quality control

Use high-resolution scans from HD Apeiron/42 to detect flaws, irregularities, and inconsistencies in fabrics before or during production. Experience how your clients' satisfaction is boosted by saving costs on rework and enhancing the end-product quality.

Digital inspection is easier than ever.

HD Apeiron/42



SEE SCANNED EXAMPLES:
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Exact color accuracy

FAST AND PRECISE SAMPLING

Say goodbye to approval delays! HD Apeiron/42 delivers fast, precise scans, reducing reliance on physical samples for a seamless workflow.

A must-have for design approvals

HD Apeiron/42 is more than a scanner that picks up every little detail; it's an assurance to fabric manufacturers who can now showcase their designs knowing that they have utilized a technology that ensures that the digitized scan matches the colors of the original.

Flawless texture capture - minimal sampling

With its unique lighting possibilities, HD Apeiron/42 can capture both flat and textured fabric surfaces. This reduces the need for physical samples and simply speeds up workflows.

Efficiency gains for faster results

HD Apeiron/42 drastically reduces time-to-market by generating accurate, ready-to-use digital files for prototyping and design approvals. Significantly improve your operational efficiency and stay ahead in competitive markets with faster design iterations and fewer production delays.

Sustainable benefits

Less waste, more results

Eliminating physical samples cuts costs, and speeds up decisions, making the workflows and processes leaner, more efficient, and sustainability-driven.



Precision digitization

SEAMLESS DESIGN AND PATTERN DEVELOPMENT

Digitize design drawings and patterns effortlessly with HD Apeiron/42 and know that the measurements are exactly how you imagined them to be.

As the industry continues to embrace digital innovation, HD Apeiron/42 becomes an essential asset for streamlining workflows. It integrates seamlessly into design processes, enabling rapid digitization while maintaining the integrity and authenticity of your creations.

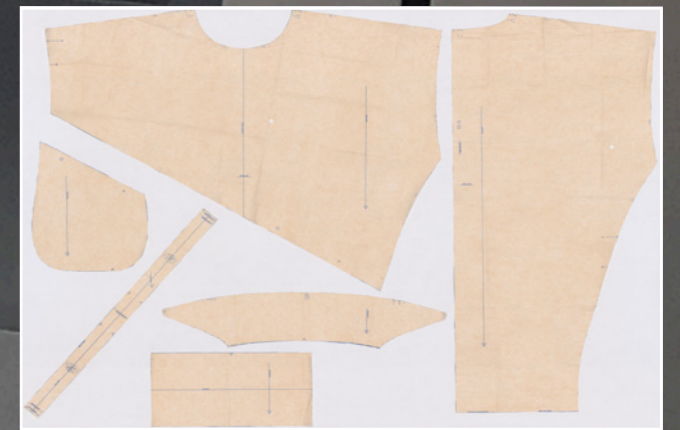
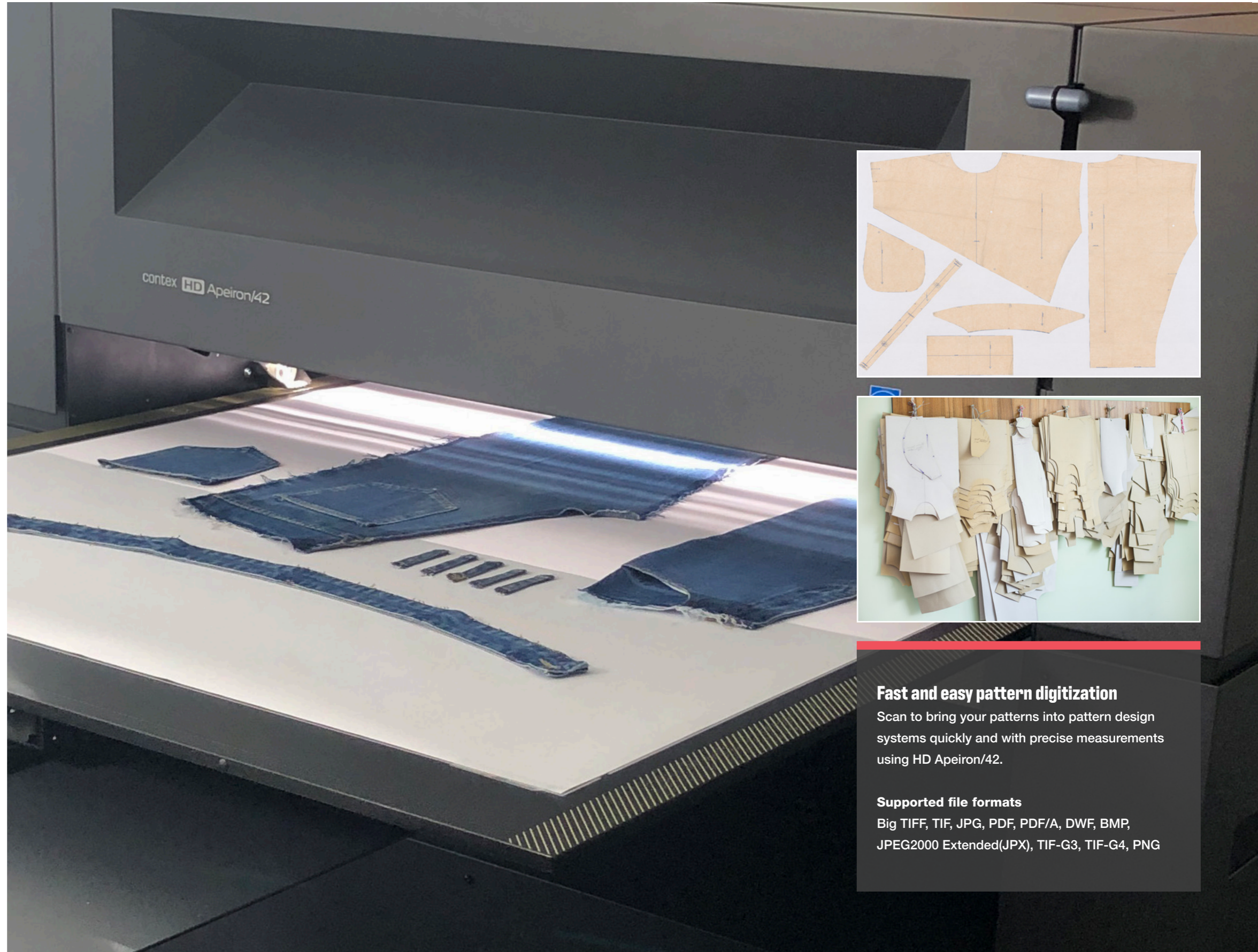
Reverse pattern drafting

HD Apeiron/42 is an invaluable tool for reverse pattern drafting, allowing fashion designers to accurately digitize existing garments and extract precise pattern details.

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Fast and easy pattern digitization

Scan to bring your patterns into pattern design systems quickly and with precise measurements using HD Apeiron/42.

Supported file formats

Big TIFF, TIF, JPG, PDF, PDF/A, DWF, BMP, JPEG2000 Extended(JPX), TIF-G3, TIF-G4, PNG

Digitized fabric examples

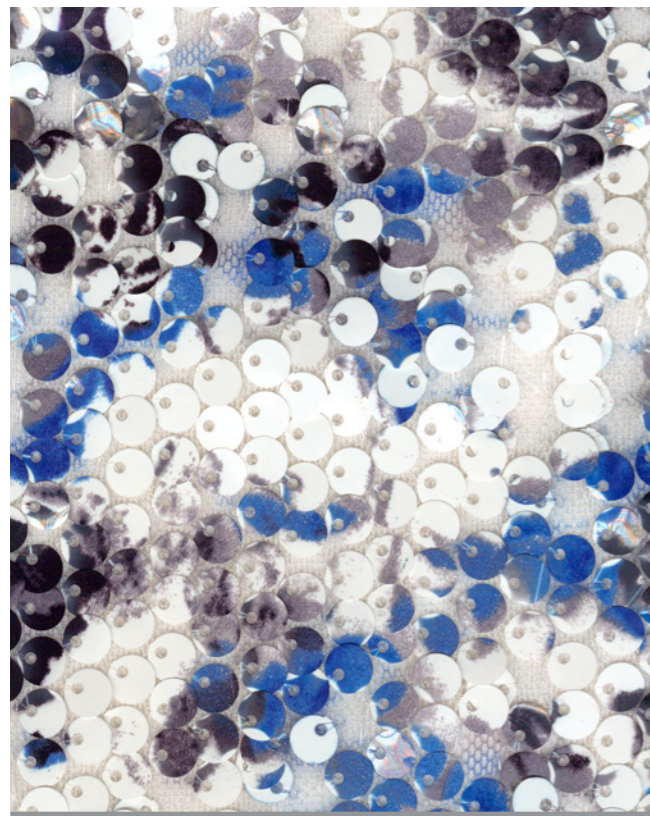
FROM DELICATE TO DENSE, NO DETAIL LEFT BEHIND

HD Apeiron/42 puts you in control of your scanning results by allowing you to optimize lighting depending on the garment or fabric type.

Whether you need to highlight intricate textures or achieve a smooth, uniform look, you can set the direction of light to capture fabrics and final garments exactly as you envision.

With the option to save unique presets for different lighting and image settings, any type of material can quickly be scanned with identical settings whenever a similar fabric needs a digital twin.

The 3D surface effect option enhances depth for a more dynamic appearance. With four distinct lamp positions, you can experiment to find the perfect lighting setup, ensuring flawless scans for any fabric. These examples showcase how the HD Apeiron/42 effortlessly overcomes the traditional challenges of capturing fabric images with cameras, delivering precision, consistency, and unmatched detail.



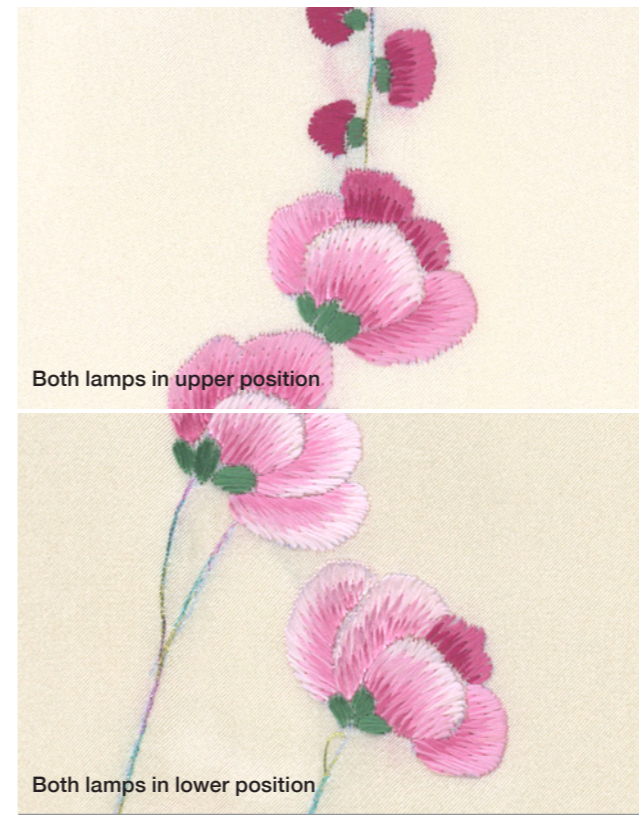
White stretch fabric with shiny sequins

The brilliance of sequins stands out without glare and unwanted reflections.



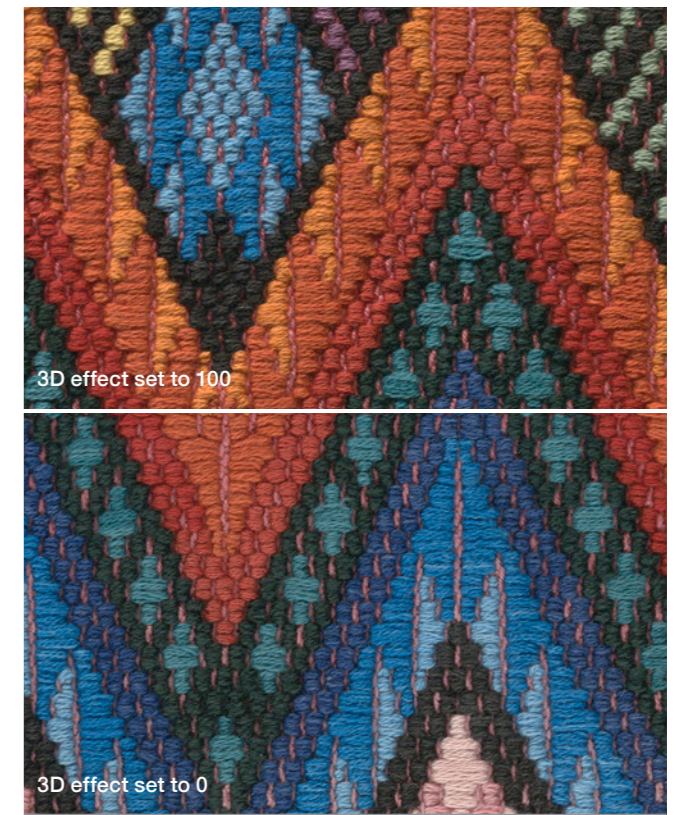
Cotton t-shirt fabric with print

Capturing the texture of cotton and the vibrancy of graphic prints with precision and focus on every detail.



Japanese embroidery on silk

A precise scan of reflective silk, showcasing perfect light control and vibrant sheen. Upper image with both lamps in upper position. Lower image with both lamps in lower position.



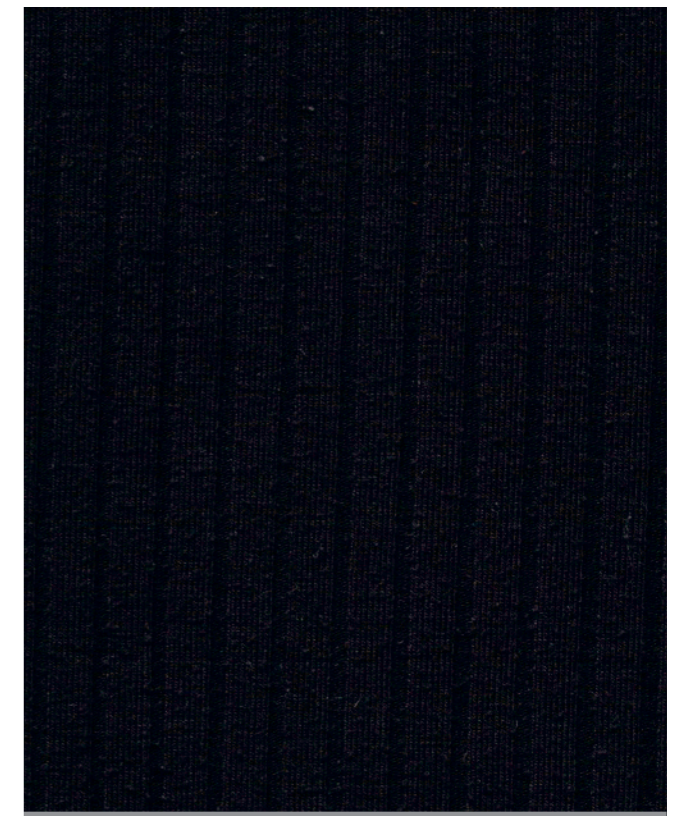
Embroidered Guatemalan huipil

A scanning with 3D surface effect brings out the depth and richness of any textured fabric. Upper image has 3D effect set to 100, lower image is set to 0.



Silk thread embroidery on transparent textile

A flawless scan of sheer organza, capturing intricate weave details and subtle translucency.



Dark fabric

Capturing the rich texture and details of dark fabric with precision.

OUTSHINING CAMERA-BASED SYSTEMS IN FABRIC AND FASHION DIGITIZATION

HD Apeiron/42 is redefining how the fashion, fabric, and apparel industries approach digitization.

While traditional camera systems have long been a standard tool for capturing images, they fall short compared to the advanced capabilities of the HD Apeiron/42 scanner.

A camera-based setup might seem like a flexible solution for digitization of any kind, but it introduces inconsistencies, inefficiencies, and quality risks that can impact production. The HD Apeiron/42 scanner eliminates these issues, delivering precision, speed, and reliability – without the extra work.

Cameras introduce guesswork. The HD Apeiron/42 scanner delivers certainty. It's the fastest, most precise, and most efficient way to digitize apparel and fabric – giving you a competitive edge with no compromise on quality.

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HD Apeiron/42 compared to camera systems

- **Zero distortion, true-to-scale accuracy:** A scanner makes no perspective errors, no need for manual adjustments. Scans are perfectly to scale, ensuring patterns and measurements are 100% reliable.
- **Glare-free, controlled lighting:** No wasted time setting up external lights or dealing with reflections. HD Apeiron 42's built-in TRI-R™ LED lighting ensures even, true-to-life results every time.
- **Sharp details again and again:** High-resolution (up to 1200 dpi) scanning captures textures, weaves, and fine details that cameras simply can not replicate.
- **More efficient workflow:** No post-processing, no manual stitching, no color correction, no wasted hours fixing inconsistent images. Simply ready-to-use files.
- **Consistent, professional results for any color:** Every scan meets industry standards like FADGI 4-star and CRI-levels above 98. This is accuracy, quality, and repeatability across all production stages.

HD Apeiron/42 vs. camera systems – Advantages at a glance

Feature	HD Apeiron/42	Camera Systems
Resolution	3,628 MP (1200 dpi)	100 MP (top-tier fashion camera)
Light	Built-in LED lamps, no glare, no ambient light, adjust light in the software	Lamp dependent light, requires adjustment in set-up inbetween shots
Color accuracy	FADGI **** (best imaging practical today), Color Rencering Index (CRI) above 98	Software-dependent
Scaling	Large format scanning in a single pass	Stitching required for large areas

User-friendly dedicated software

SPECIFICALLY TAILORED FOR YOUR EASE OF OPERATION

The software for HD Apeiron/42 is built on Nextimage, our award-winning software known for its complete set of tools, filters and automated processes for scanning large format originals.

The result, Nextimage Apeiron, heightens the user-friendliness together with the adjustable touchscreen of HD Apeiron/42. The software aptly supports the unique way of working when using a contact-free scanner.

Scanning with the highly complex Nextimage Apeiron software is actually quite simple:

1. Choose a preset
2. Position the focus plane to fit the height of the original
3. Scan

Set your levels, colors, and other settings before scanning or adjust them after. Any changes can be saved as a new preset. Another post-scanning option is the 3D effect which lets you emphasize the uniqueness of any surface.

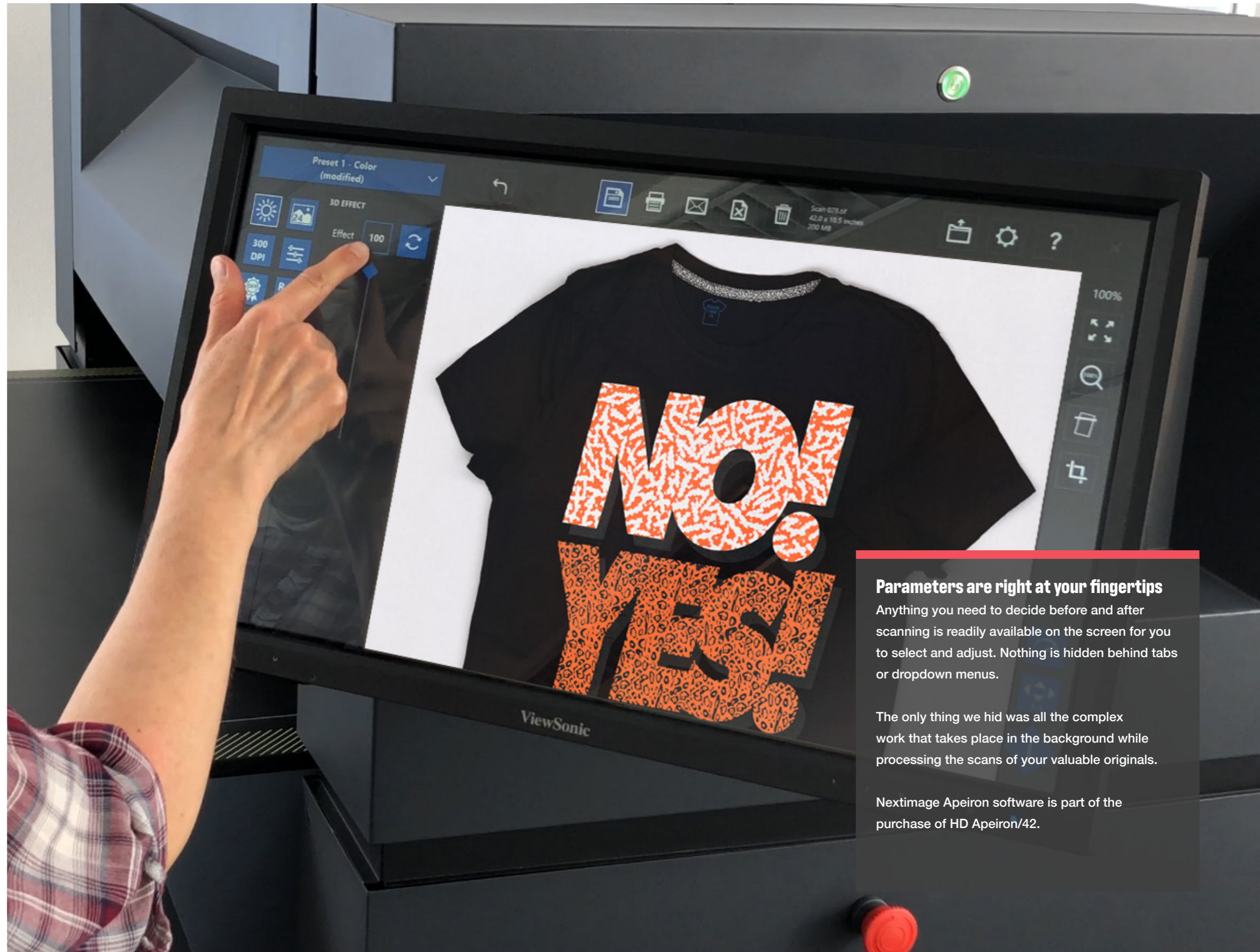
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In-depth presentation
QR: YouTube video



More on our YouTube channel:
[youtube.com/@ContextScanners](https://www.youtube.com/@ContextScanners)



Parameters are right at your fingertips

Anything you need to decide before and after scanning is readily available on the screen for you to select and adjust. Nothing is hidden behind tabs or dropdown menus.

The only thing we hid was all the complex work that takes place in the background while processing the scans of your valuable originals.

Nextimage Apeiron software is part of the purchase of HD Apeiron/42.

HD Apeiron/42

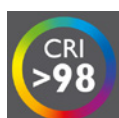


Why Choose HD Apeiron/42

From the World's No. 1 in large format scanning: HD Apeiron/42 is more than a scanner – it's a transformative tool for designers and manufacturers who demand precision and reliability. By eliminating the limitations of camera setups, it saves time, reduces costs, and ensures professional-quality results. Its ability to capture lifelike textures and colors, paired with its seamless workflow integration with pattern designing, makes it the ultimate choice for fabric and fashion digitization.

Discover how HD Apeiron/42 redefines digitization.

CONTACT US FOR A LIVE DEMONSTRATION: contex.com/contact



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