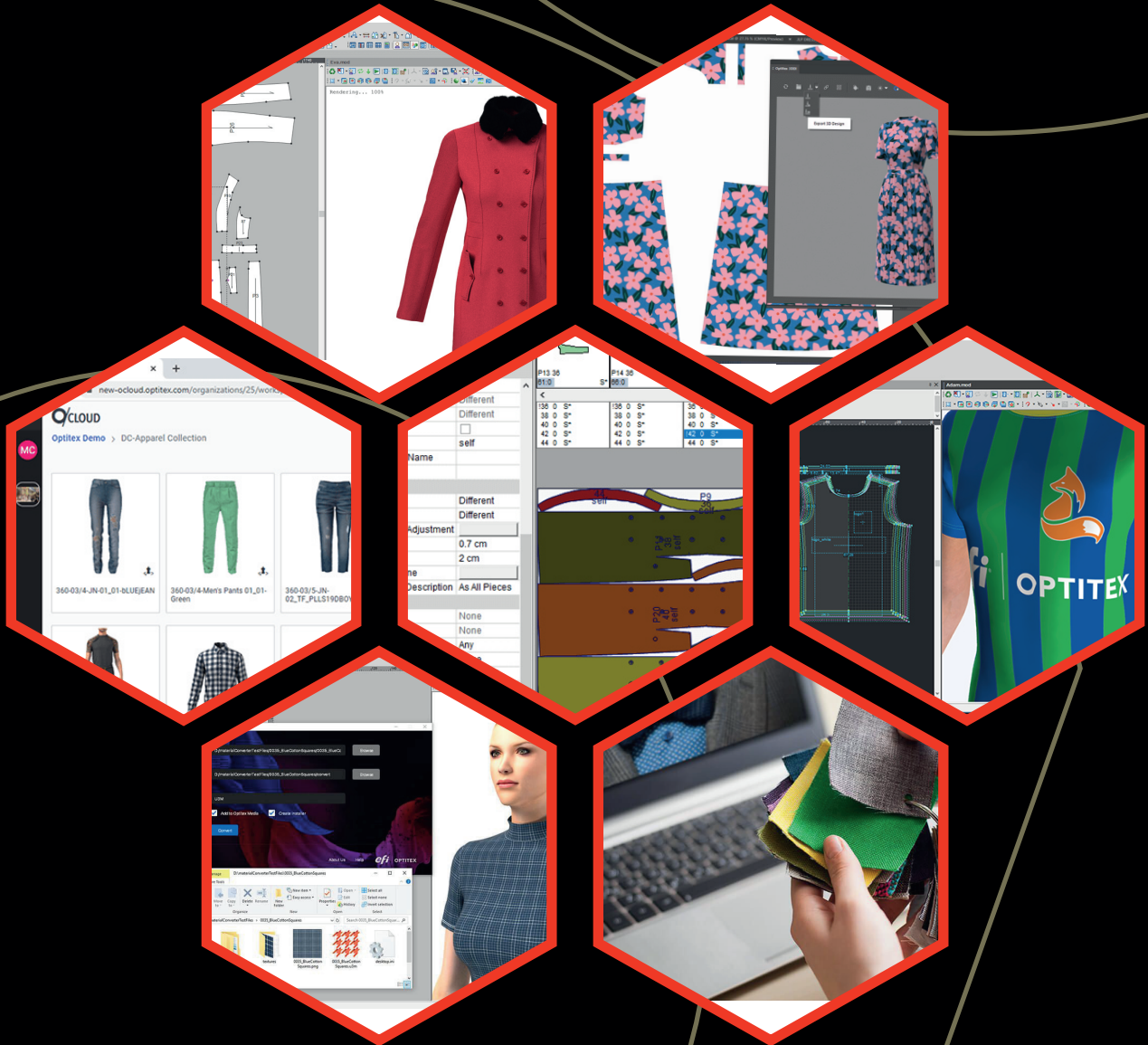


OPTITEX



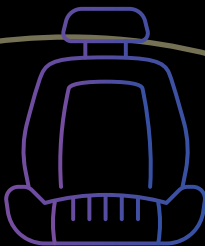
**Shortening Your Time to Market by Setting the
Pace for Digital Design to Production.**

OUR SOLUTIONS



Fashion & Apparel

Optitex takes responsibility for the full product lifecycle and brings retailers and suppliers closer together – by forging the path for designers to connect to the production end. With uncompromised accuracy, you can design digitally and produce accurately – on every job..



Transportation Interior

Easily transform 3D objects from any CAD system into 2D production-ready patterns and markers to produce high-end automotive seating and interiors, with a platform that is fully compatible with external cutters and plotters. Save time, money and fabric by generating accurate forecasts in real time.



Furniture Upholstery

Leverage Optitex technology to optimize upholstery piece management and perfectionate the efficiency of your fabric use. With robust design tools powered by smart automated nesting tools Apply a faster, cost-effective cycle that results in cost reduction and optimization of your delivery time.

why OPTITEX

- > Interoperable 2D/3D portfolio
- > Open to all standard software or hardware formats
- > Flexible, user-friendly patternmaking and nesting tools
- > Functional grading to achieve full production-ready digital patterns
- > Seamless collaboration tools across the entire supply chain
- > Automatic nesting for early costing

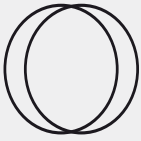
Get in Touch

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Bring Your Artwork to Life!

DESIGN WITH 3D DESIGN FOR ILLUSTRATOR



Real-time validation and customization of 3D garments in Adobe Illustrator.



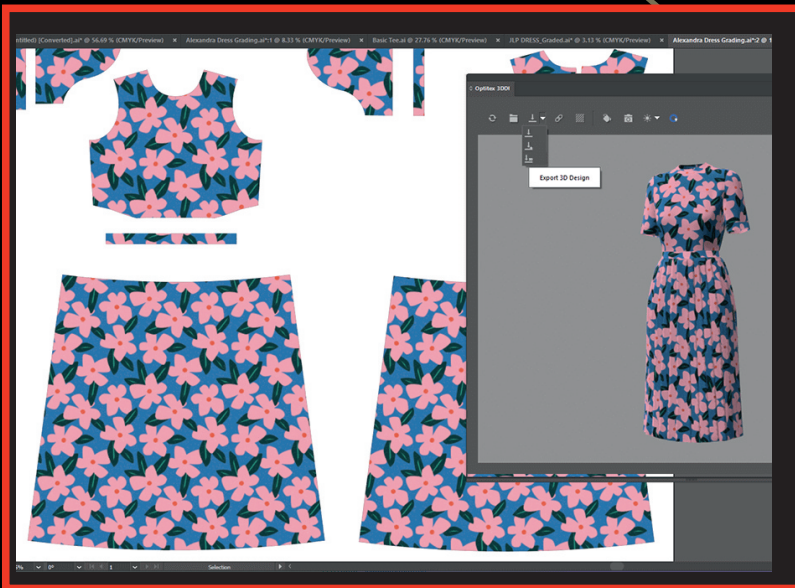
Utilize the fine-tuning capabilities of Adobe Illustrator to create stylish garments with complex prints.



Improve collaboration between pattern makers, designers and vendors by validating designs ready for digital or sublimation printing direct from Adobe Illustrator.

CUSTOMIZE FABRIC AND TEXTURES

Import your Optitex 3D design into Adobe Illustrator to experiment and customize fabric, texture, print patterns and graphic placement without waiting for a printed sample.



Customize Fabric and Textures

Import your Optitex 3D design into Adobe Illustrator to experiment and customize fabric, texture, print patterns and graphic placement without waiting for a printed sample. .

Fast & Easy 3D Asset Sharing

Export your 3D styles in both glTF and GLB formats with rich material information, and enjoy the ease and convenience of having all your embedded materials accurately defined in 3DDI.

Compatible with Windows and Mac

Work within the native environment of Adobe Illustrator, compatible with both Windows and Mac, and visualize virtual samples with accurate proportions and scaling.

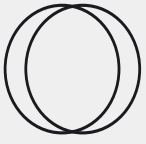
Share Your Design Across the Supply Chain

Export your stylish virtual sample into an innovative 3D environment and share it across the supply chain using digital innovation.



When Digital Innovation Takes the Lead, Wonderful things Can Happen

PAVE YOUR WAY TOWARDS GROWTH AND AGILITY



Maximize the accuracy and fine tune details of your digital garment as the changes made to the 3D sample directly affect the 2D pattern.



Get faster to market by receiving early feedback and making faster decisions, before creating the first physical prototype.



Enjoy the use of cutting-edge digital tools and meet a superior design experience that is fully customizable to your needs.

PATTERN DESIGN SOFTWARE (PDS) 2D

Open to leading standard sw/hw formats

Share your data in various file formats, and have the freedom to continue working with your cutters, plotters and digitizers, while transitioning to our super flexible and intuitive 2D solution

Flexible, user-friendly patternmaking and nesting tools

The intuitive user interface is customizable to suit your needs and requirements. The work area is designed to maximize your design space

Smart 2D Design

Optitex 2D powers your pattern and garment design process, from start to finish. Benefit from making easy adjustments by selecting multiple points and changing them all in once. Seamlessly create, move, and open darts, and pleats, including multi-pleats, in record time.

Functional Grading

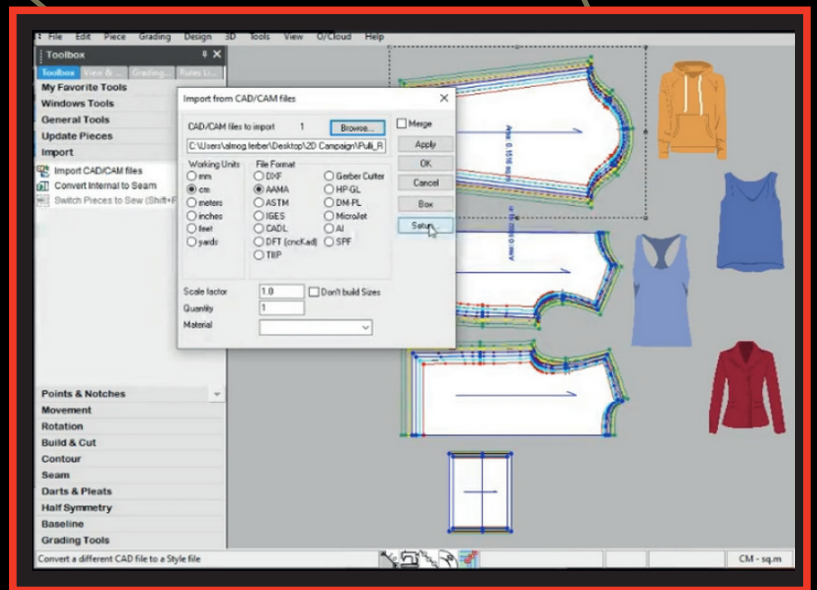
Imagine if you could seamlessly turn your base or sample size patterns into additional sizes, with just a few simple clicks? With Optitex 2D Pattern Grading tools, now, you can. Easy-to-use functional 2D Pattern Grading tools that enhance and streamline the grading process, so that you can seamlessly create a range of sizes for a single garment design – for a perfect fit, every time!

Quality and Precision

Optitex 2D's robust verification tools power your garment production process, with practical, easy-to-use tools, from start to finish. Enjoy real value-added functionality – quickly and easily make adjustments, compare lengths, and instantly view results on a range of sizes for a single garment design, all with a few simple clicks.

Smooth Collaboration

Optitex 2D's Tech Pack Essentials lets you assemble all your model data, easily generate customizable documents, and view all your model data – in a flash! Just imagine, no more lengthy, error-prone processes, and all your model data up front and center, including design data, pattern pieces, grading, stitching data, and lots more.



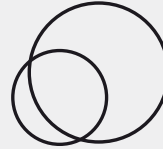


When Digital Innovation Takes the Lead, Wonderous things Can Happen

PAVE YOUR WAY TOWARDS GROWTH AND AGILITY



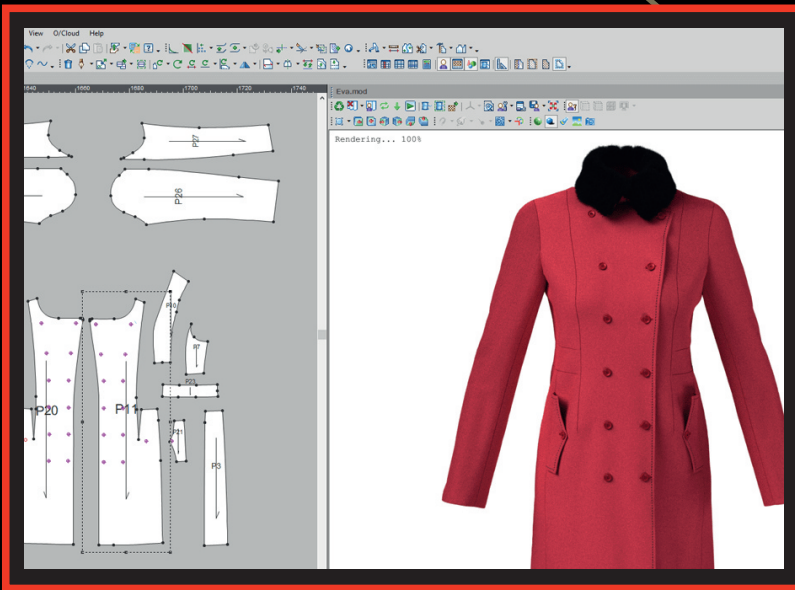
Experience a hassle-free digital environment that is fully compatible with all major CAD formats and enables data exchange possibilities without any hardware lock-ins.



Create virtual samples in various sizes using advanced grading tools that allow you to easily and simultaneously grade your patterns and visualize an accurate draped result in a 3D digital environment.

PATTERN DESIGN SOFTWARE (PDS) 3D

Visualize true to life virtual samples in an innovative 3D digital environment and make quick alterations at the click of a button with 95% accuracy.



Accurate Fabric Simulation

Delve into the fine details of your design and view precise fabric simulation.

Photo Realistic Rendering

Create and share Photo Realistic 360° images of a true to life 3D virtual sample with customized intensity of lighting and shadows for a realistic view of your creation.

Colorways and Print Placement

View style colorways and define print placement for fabrics, textures, stitches, buttons, and logos, with limitless virtual samples.

Avatar Editor

Tailor an avatar according to your needs with our all in one avatar solution that allows you to customize Optitex/your own avatars, so you can adjust morphs, create sizes, add accessories, and visualize your garment in various poses.

Fabric Management Solution

Measure and simulate fabric in 3D based on its physical and visual properties

Virtual Tension Map

Inspect simulated cloth using a tension map to view the exact value of tension, distance, and stretch between the cloth and the avatar.

Multi-Stitch Tool

Boost your stitching process using an innovative multi-stitch tool.

O/CLOUD

3D Collaboration – From Concept to Production

SEAMLESS COLLABORATION ACROSS THE SUPPLY CHAIN



Easily and seamlessly collaborate with all team members, vendors and partners.



Share 3D assets quickly and easily, with all files in a central location, for reliable, always-accessible storage for all your style data.



Fully control permissions and be confident that only relevant supply chain members can access your data.

CONNECT ON THE CLOUD

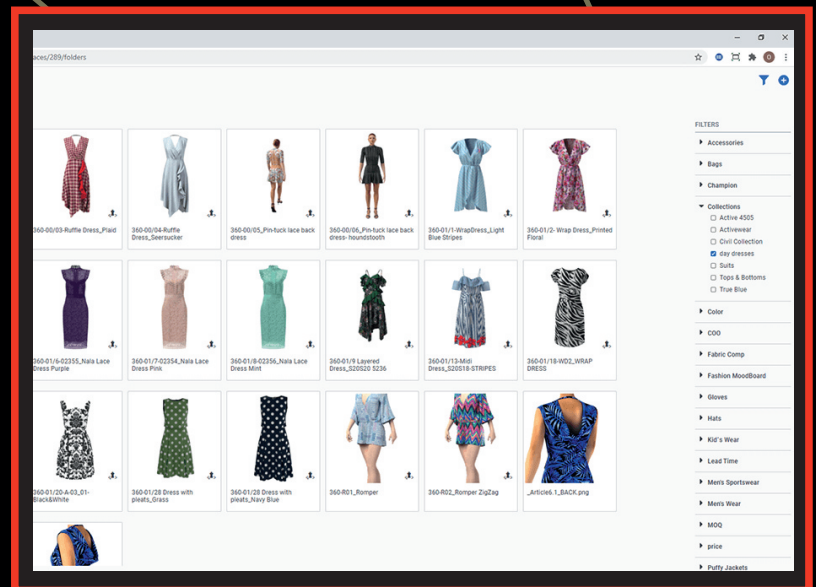
Collaboration is Key

In today's new reality, remote working and collaboration have fast become the cornerstone in maintaining business continuity – operational workflows, and communication with all stakeholders in the supply chain. O/Cloud allows you to efficiently manage the end-to-end development process by sharing your digital workplace with your teams, vendors and partners, all in a high-quality digital 3D environment.

Fast & Easy 3D Asset Sharing

Benefit from seamless 3D asset sharing, with all files in a central location, for reliable, always-accessible storage for all your style data. Manage user permissions and access, review technical PDS file details, view colorways and sample history and share and export your 3D style comments for decision-making early on in the process.

With O/Cloud, you'll benefit from earlier feedback, by displaying all styles and colorways before preparing the first physical prototype and communicate with your teams and colleagues in a centralized location, anytime, anywhere – and when it's convenient for you!



Reduce Design Time & Costs

By transforming more tasks to a digital platform, you'll save on valuable time, resources, and costs by sharing your designs with teammates and across the supply chain. Benefit from true-to-life results of your 3D samples using a high-quality 3D viewer based on photorealistic 3D rendering. Run online review sessions on your 3D files to fully document your meetings and present your collections with photorealistic 360° views of your designs, including colorways and style information.

Key Features

- Create Digital Collections
- Sort your 3D Collection
- A Data One-Stop-Shop
- Manage User Permissions
- Color Variations
- Markup Specific Area
- View Sample History

MARKER

Sustainability Arises When You Believe in Digital Transformation

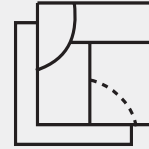
SAVE TIME, MONEY, AND FABRIC



Get the most use of your fabric by organizing pieces on the cutting table using various criteria.



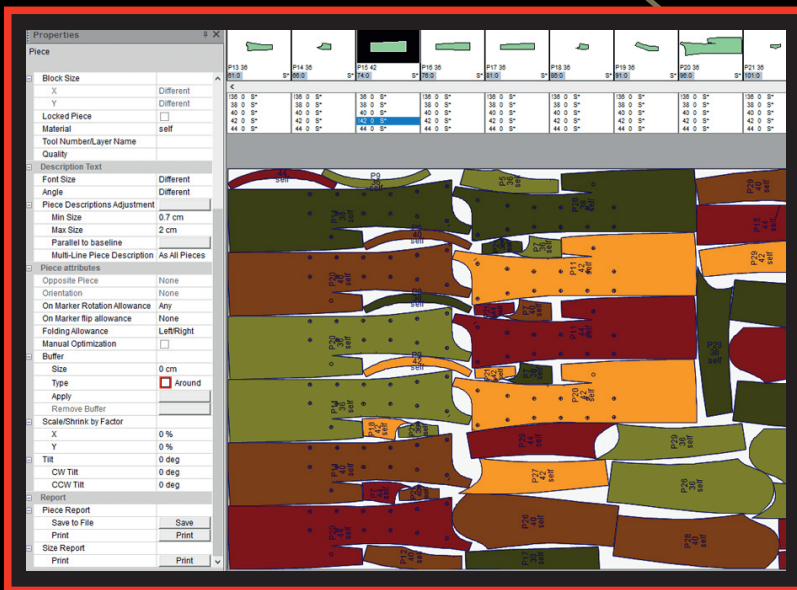
Streamline your workflow and save time by aggregating multiple PDS files for marking and nesting.



Increase your productivity by running multiple nesting processes.

Optimizing the Marker Layout

Save valuable time and resources by optimizing your use of fabric through automated nesting or manual placement of pieces on the marker table.



Define Marker Orders

Select style and material for cutting and specify bundle quantities per specific garment size while supporting complex variation grading.

Place and Manipulate Pieces

Place, select, rotate, and flip pieces at will, even along the fold.

Optimize Fabric Usage

Work around damaged or unusable sections while enabling the greatest yield possible from the remaining materials.

Automated Nesting

Place pieces intelligently and efficiently with an innovative automated nesting algorithm and achieve better performance with an optimal use of multiple processor cores.

Apply Nesting Constrains

Manage the marker layout to comply with your production needs by applying constrains on markers such as piece order and orientation.

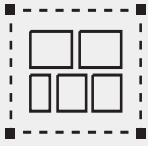
Customizable Data Reports

Generate a tailor-made report that can be used for different purposes such as material consumption and cost analysis.

CUTPLAN

Keeping it Green, Promoting Sustainability through Agile Production

SAVE TIME, MONEY, AND FABRIC



Get the most use of your fabric and optimize spreading by automatically grouping sizes that can be placed within the same marker.



Increase your productivity by using an algorithm to calculate the best cut order solution for your needs



Accurately project and calculate order production costs to save time, money and materials.

Manage Single and Multiple Orders Digitally

Manage Cut Orders

Create a cut order based on the number of styles, sizes, colors, and fabrics.

Boost your productivity, efficiency and profits with an automated order management tool that allows you to operate complex marker orders, while supporting complex variation grading, colors, and fabric types.

Optimize Fabric Usage

Automatically generate a number of markers to accomplish order requirements in the most efficient way possible.

View Order Information Reports

Generate reports in order to view information about your cut order, marker files, materials, spreading groups, fabric rolls and boost efficiency.

Enhanced Roll Management

Define fabric rolls in your warehouse according to colors and materials and then assign details such as width, length and costs to improve fabric roll utilization by creating a relation between the cut order and the fabric rolls.

Initial Demands

	Color	Quantity	32	34	36	38	40	42	44	46	48	50	52
Ratio			0	1	1	2	2	2	2	1	1	1	0
1	Purple	200	0	15	15	31	31	31	31	15	15	15	1
2	Red	400	0	30	30	62	62	62	62	30	31	31	0
3	Brown	100	0	7	8	15	15	15	15	8	8	8	1

☐ Show Deviation ☒ Use Percent Deviation: ☐ Positive Deviation

☐ Calculate quantity Total Quantity:

Marker Definitions

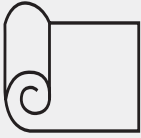
N°	Material	Create	Width, inch	Length, inch	Min Plies	Max Plies	Waste Limits, inch	Max Bundl
1	self	<input checked="" type="checkbox"/>	59.06	393.70	1	20	0, 0, 0, 0	0

☐ Use the same solution for all materials

PRINT & CUT

Boost Productivity of Your Digital Printer - Print Different Patterns on a Single Roll

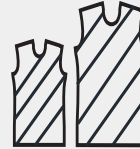
SAVE TIME, MONEY, AND FABRIC



Print and cut garment pieces on a blank fabric roll, rather than cutting pre-printed rolls, to significantly reduce roll inventory.



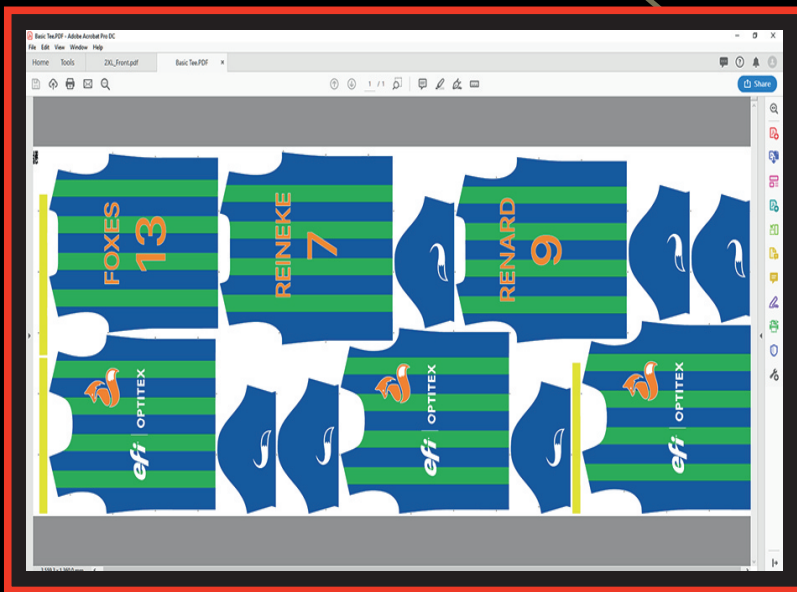
Optimize your time and materials and save on fabric and ink, by printing only the piece, eliminating the need to align piece geometry to printed fabric



Profit from print flexibility by realigning your graphics per garment size to determine the best solution to meet your needs.

Print on demand

An innovative on-demand manufacturing solution, Print & Cut is ideal for micro factory sample production, print on demand custom graphics or logos, efficient alignment of complex graphics, and uniquely tailored for small and mixed orders. If your organization relies on in-house digital printers, serves small brands or handles sublimation and direct prints, Print & Cut is for you. Benefit from substantial cost, resource and material savings – all in five easy steps!



1. Make the pattern

using Optitex PDS

2. Prepare graphics

for printing with Adobe Illustrator

3. Create marker

with Optitex Marker and generate Print & Cut output files

4. Print the fabric

with a digital fabric printer, directly or through sublimation

5. Cut the product

pieces with a single- or multi-ply cutter... and you're done!

Get in Touch

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