



The Complete Guide to **Fashion Tech Packs**



 **Surefront** Retail Guides

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Tech Pack Examples



Section 1

What is a Tech Pack?

Tech Packs Serve as a Collaborative Document for Teams

They are initially created by designers and sent to manufacturers. Manufacturers then use the Tech Pack to create product samples or to put a finished design into production (depending on the stage of the [product lifecycle](#)). Adobe Illustrator is a go-to Fashion Design application that has many tools to facilitate product design.

Tech Packs are primarily used in the fashion and clothing industry (softline) rather than hardline industries like furniture. Tech Packs help to create diverse fashion designs and clothing types, so they must be customizable.



Bridge the Gap between Design Concepts and Final Production.



Detailed Drawings



Measurements



Materials



Images with Markups



Comments to Your Teams

Key Elements of Tech Packs

Comprehensive Tech Packs Usually Include Several Key Elements:

Fashion Flat Sketches: Detailed illustrations of the garment from multiple angles.

Bill of Materials (BOM): List of all materials required, including fabrics, trims, and labels.

Garment Measurement Specs: Precise measurements for each size and component.

Garment Cost Sheet: Breakdown of all costs involved in producing the garment.

Images with Markups and Comments: Visuals annotated with specific instructions and comments.

Product Attributes: Detailed garment attributes, including colorways, sizes, and fit details.

Description, Comments, and Background Info: Contextual information about the design, including inspiration and intended use.

Design Notes: Detailed notes on design elements.

These Elements **Ensure Clarity and Precision** in Communication Between Designers and Manufacturers.

Who Creates Tech Packs?

Tech Pack creation is largely a **buy-side process**. Retailers and brands refine and improve design concepts until those designs are ready to be captured in Tech Packs.

Creating Tech Packs involves combining all the key elements discussed above into a multi-page document. Tech Packs contain exhaustive specifications so suppliers can accurately manufacture the intended product.

Tech Packs are sent to suppliers after being finalized by the product development team. Suppliers may have notes on the design. They may think a certain material or design element needs to be more practical or feasible. This is where things can get complicated.

Automating Tech Pack Collaboration

Tech Packs sometimes need a little refining after they are sent to suppliers. This can slow product development because Tech Packs are sent back and forth using inefficient tools like email.

Surefront's solution to this bottleneck is a **shared collaboration hub between retailers and suppliers**.

Surefront's platform allows both parties to add comments to specific product fields and to markup visual collateral.

Surefront's Tech Pack builder saves time in the collaboration process and keeps everything on a single source of truth—reducing errors.

How Tech Packs are Used

Once a supplier has finalized Tech Packs, they can use them to build sample items. Or, if they're further along in the process, Tech Packs will be used as a source of truth for mass production.

Tech Packs are usually printed and used by various workers on the production floor.

Tech Packs serve as a reference point for checking the quality of production. They provide a standard against which each piece can be measured, ensuring that all garments meet the required standards and specifications.

Key Elements of a Great Tech Pack

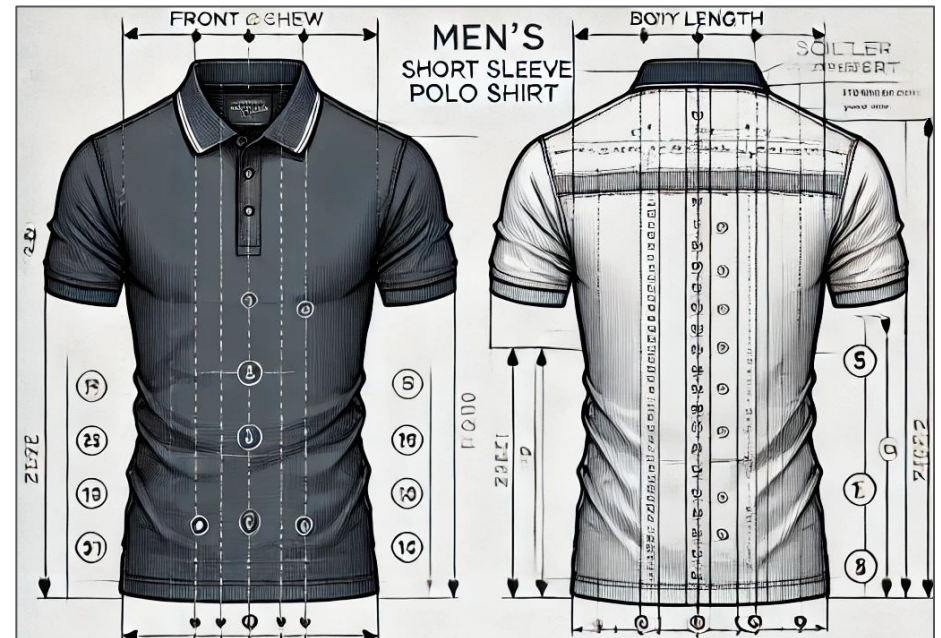
Garment measurement specs



Garment measurement specs are precise measurements for each garment component (for accurate sizing and fit).

This includes general measurements like body length, chest, waist, hips, armhole, shoulder drop, and neck opening, as well as specific measurements for details like collar length/width, cuff length/width, and pocket dimensions.

Fashion flat sketches



Fashion flat sketches are detailed, black-and-white illustrations of the garment from multiple angles, including front, back, and side views.

These sketches help manufacturers visualize the final product accurately.

They should be as detailed as possible, including all seams, darts, stitches, and other design elements.

Key Elements of a Great Tech Pack (cont.)

Colorways

The screenshot shows the 'Colorways' section of the Surefront interface. It features a 'Quick View' of a polo shirt in four colorways: grey, blue, green, and black. Below this, a 'Price Calculator' is visible, showing fields for 'FOB Point' (IDJKT), 'Unit Cost' (\$0.0000), 'UPC#', 'Warehouse Pack - GTIN', 'Vendor Pack - GTIN', 'Brand' (Abercrombie), 'Size', 'Color', 'MSRP', 'Material', 'Length', 'Width', 'Height', 'Carton Length' (12), 'Carton Width' (15), 'Carton Height' (15), and 'Cube' (1.56). The interface also includes a sidebar with 'Men's Casual' and 'Men's Back To School' categories, and a 'Products 4 of 7' indicator at the bottom.

When designing a product and specifying its colorway in a Tech Pack, it's crucial to detail how different hues and patterns will impact the final product. Clear colorway specifications in the Tech Pack ensure that the final shirts meet your design vision and maintain consistency across production.

Bill of Materials (BOM)

The screenshot shows the 'Bill of Materials (BOM)' section of the Surefront interface. It features a 'Quick View' of a plaid shirt in three colorways: red, blue, and white. Below this, a 'Price Calculator' is visible, showing fields for 'FOB Point' (Ho Chi Minh), 'Unit Cost' (\$18.7500), 'Freight Cost' (\$0.0000), 'Duty Cost' (\$0.0000), 'Misc Cost' (\$0.0000), 'Landed Cost' (\$18.7500), 'Margin' (0.67%), and 'Unit Price' (\$5.9900). The interface also includes a sidebar with 'Men's Casual' and 'Men's Back To School' categories, and a 'Products 4 of 7' indicator at the bottom.

The **Bill of Materials (BOM)** is a detailed list of all materials needed to produce the garment. This includes the main fabric, lining, trims, labels, and any other components. A well-defined BOM ensures that nothing is overlooked and helps determine the cost and sourcing of materials.



Surefront PLM Requirements Template .XLSX



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Calibri



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A25



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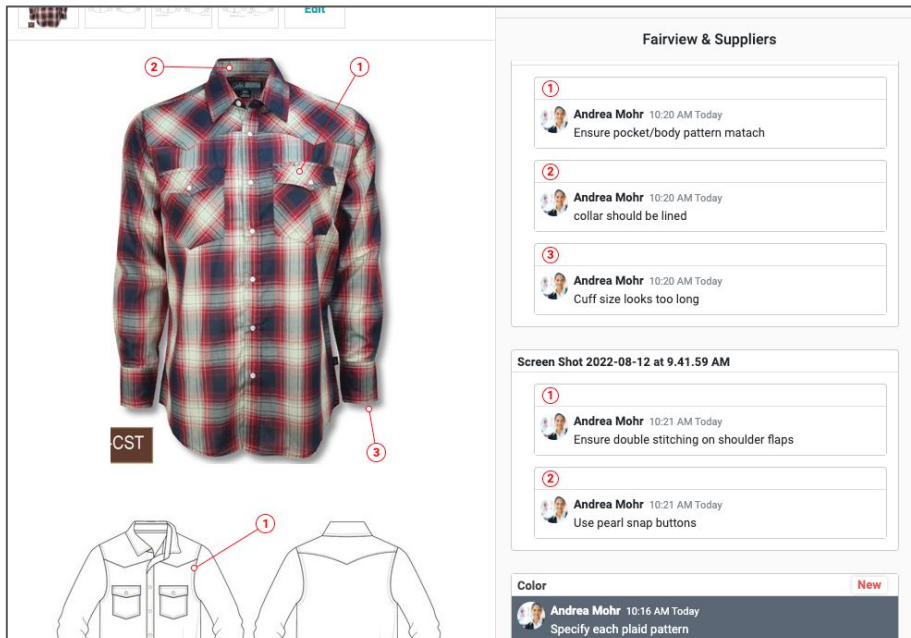
	A	B	C
1	Requirement ID	ID of specific requirement	
2	Functional Area	Business process/group affected by requirement	
3	Requirement	Description of required functionality	
4	Requestor	Business group requesting functionality/requirement	
5	Priority	Level of importance ranked 1-3 with 3 being highest	

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Key Elements of a Great Tech Pack (cont.)

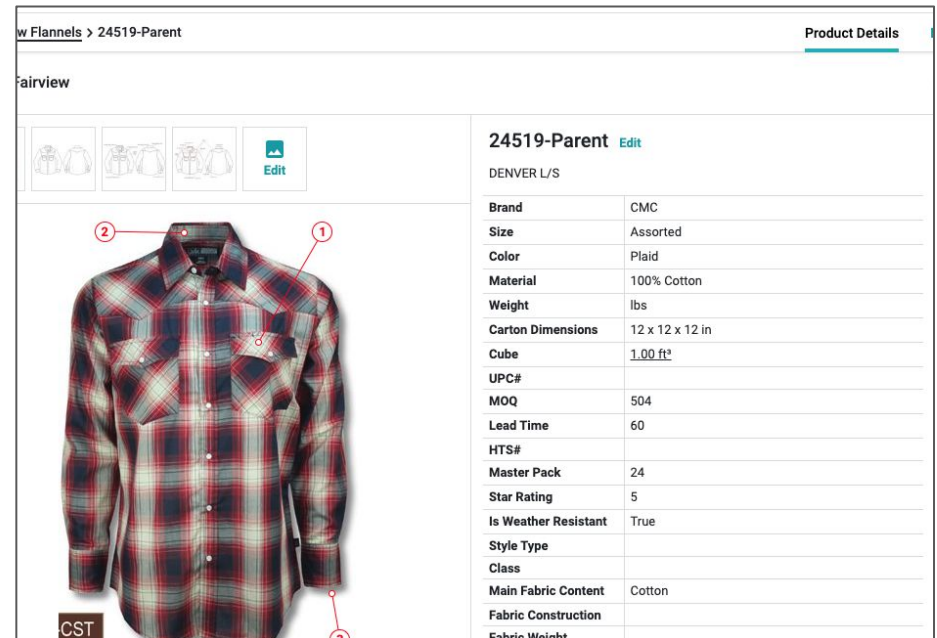
Images with markups and comments



Including images with markups and comments is essential for highlighting critical details and specific instructions. Annotated visuals help manufacturers understand exactly how each part of the garment should be constructed.

Surefront's Tech Pack builder allows for image markups and annotations right in the app.

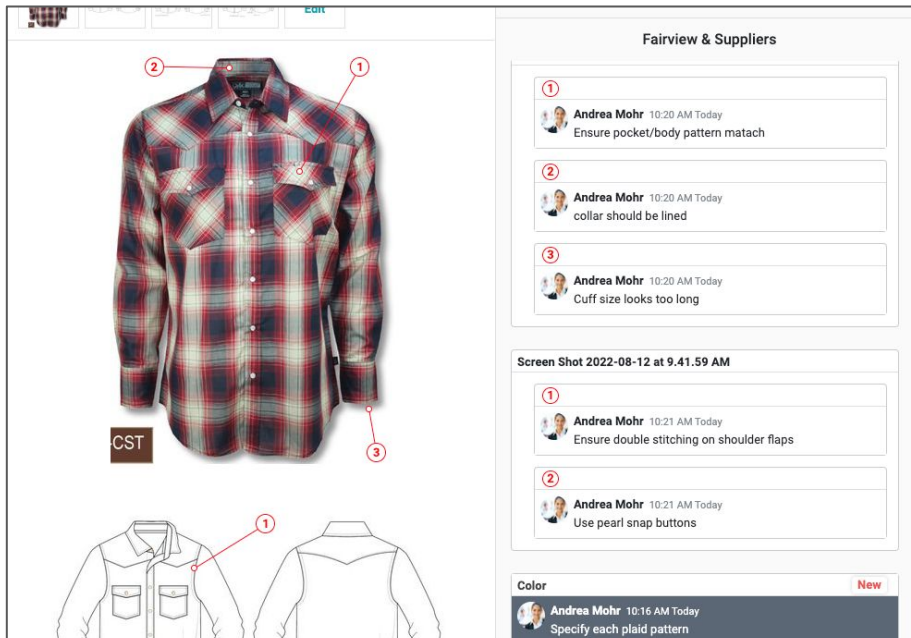
Product attributes



Product attributes include detailed information about the garment's characteristics, such as colorways, sizes, and fit details. This section ensures that all variations of the garment are clearly defined.

Key Elements of a Great Tech Pack (cont.)

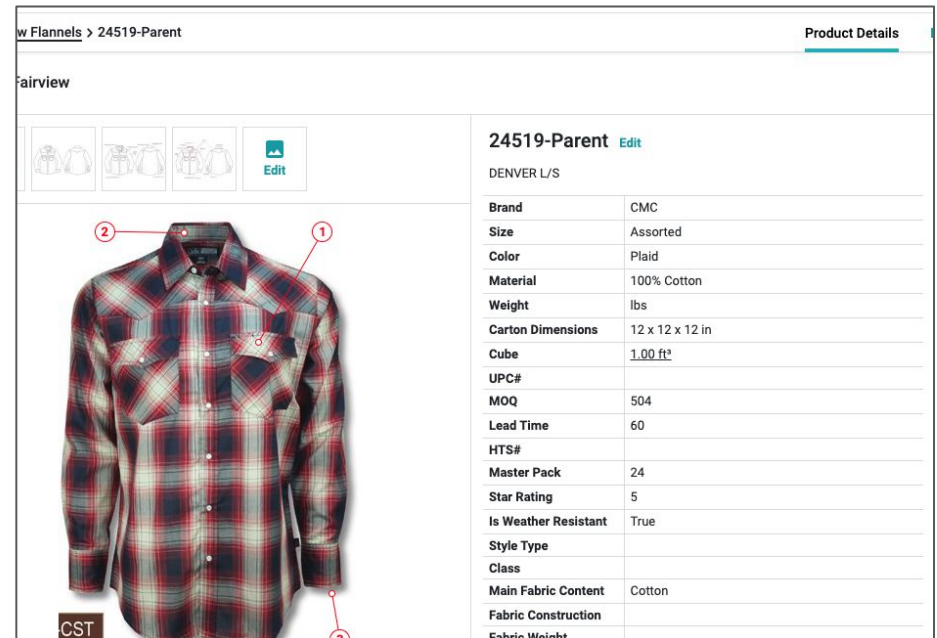
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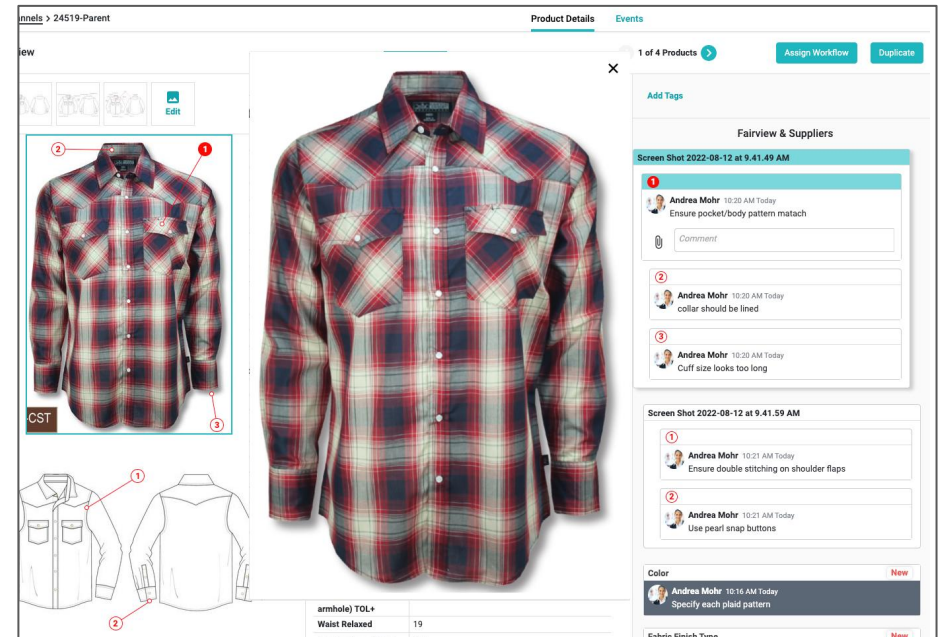
Key Elements of a Great Tech Pack (cont.)

Description, Comments, & Background

9-Parent	Edit Components	
4 Products	#	Image Product
No quotes requested	Parent	
24519-Parent Edit		24519-Parent DENVER L/S
DENVER L/S	Components	
Price Calculator	1 =	24519 DENVER Plaid Fabric L/S
FOB Point Ho Chi Minh	2 =	Z-1234 Zipper
Unit Cost \$ 18.7500	3 =	BTTN-001 Pearl snap button
Unit Price \$ 55.9900		
Brand CMC		
Size Assorted		
Color Plaid		

This section provides contextual information about the design, including inspiration, intended use, and any special considerations. Background information helps manufacturers understand the designer's vision and the garment's purpose.

Design notes



Design notes offer detailed explanations of specific design elements, helping manufacturers understand intricate details. These notes provide a clear record of design decisions.

A close-up photograph of denim fabric, likely from a pair of jeans. The image shows the texture of the denim, with prominent yellow and red stitching. A metal button is visible in the lower right quadrant, featuring a circular design with the word "JEANS" repeated around the perimeter. The background is dark and out of focus.

Section 2

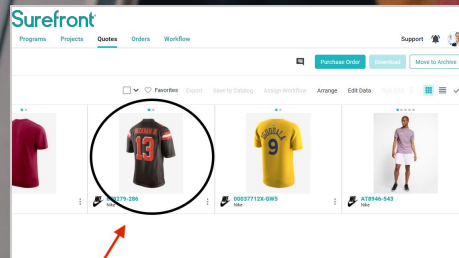
How to Create Tech Packs

Generating Tech Packs with Surefront

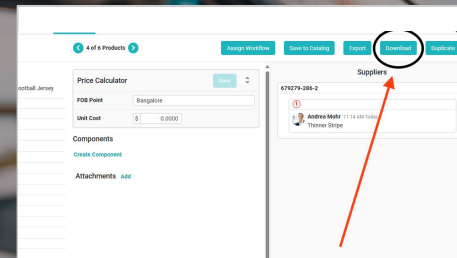
Creating Tech Packs can be Simple or Complicated Depending on the Product and the Tools Used to Generate the Tech Pack.

Tech Pack generation on Surefront takes a couple of clicks. This is because teams using Surefront iterate and design product specs within the platform. So, when you need to generate Tech Packs, you have all the data you need readily available. What you do next is incredibly simple.

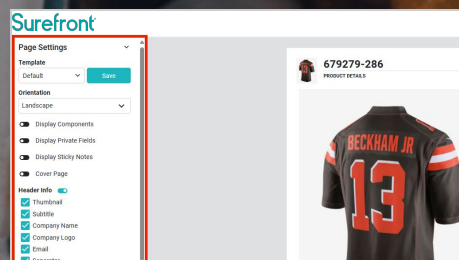
1 Choose a Product



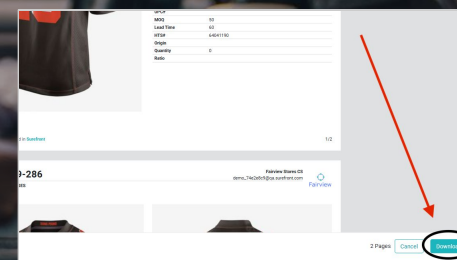
2 Click Download



3 Customize Your Layout



4 Click Download



You can save certain layouts as Tech Pack templates using Surefront.

These templates can automatically populate future Tech Packs with correct details and specifications.

Automate Your Tech Pack Instead of Entering the Information Manually

Without Surefront it's **more labor-intensive to manage** your product data, images, and specs that may be stored in various spreadsheets and documents.



Things You Won't Have to do Anymore.

Gather all design data: Start by creating detailed sketches and listing all materials required for the garment.

Compile measurement specs: Include all necessary measurements and sizing details to ensure accurate fit.

Prepare BOM and Cost Sheet: List all materials and calculate the costs involved in production.

Annotate Images: Add comments and markups to sketches to highlight critical details and instructions.

Compile the document: Use software like Adobe Illustrator to create a professional and organized layout.

This process can take hours to complete and involves a lot of manual data entry. If a supplier has notes for the Tech Pack, you may pass the Tech Pack back and forth trying to iterate until a sample is ready for production.

On **Surefront** Product Iteration Happens in Real Time on a Shared Platform

Best Practices

Be Thorough and Detailed

Ensure that all information is included and clearly detailed.

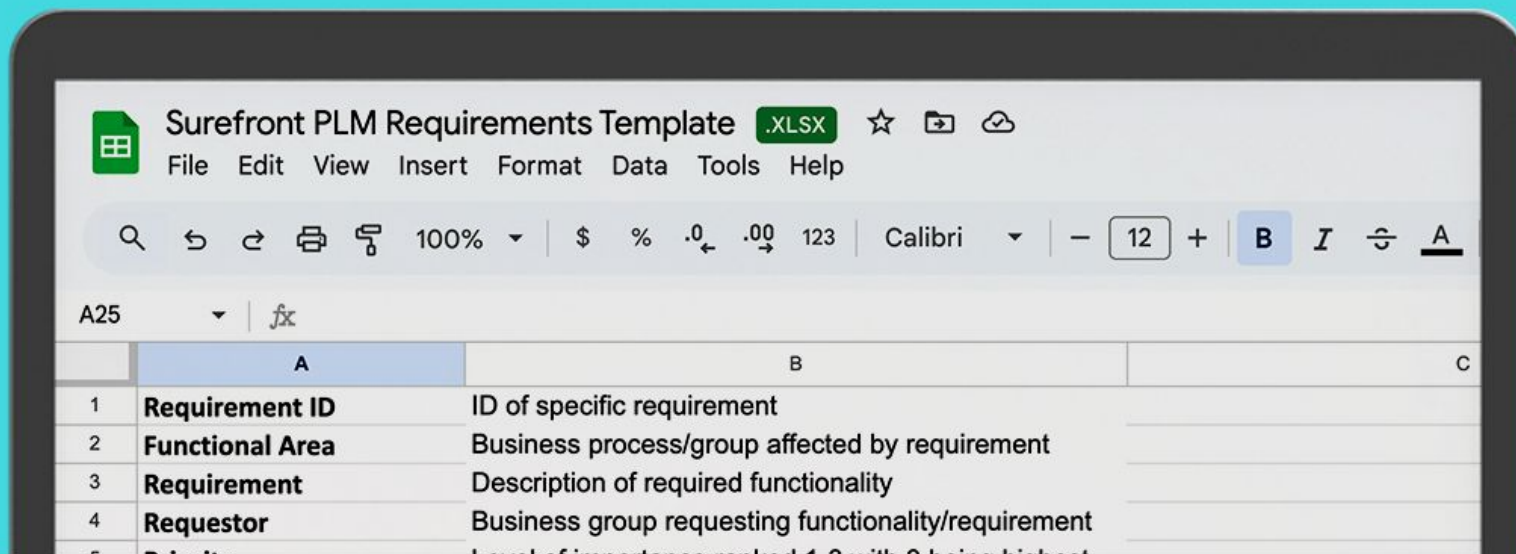
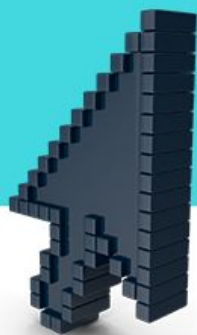
Use Clear and Precise Language

Avoid ambiguity and ensure that instructions are easy to understand.

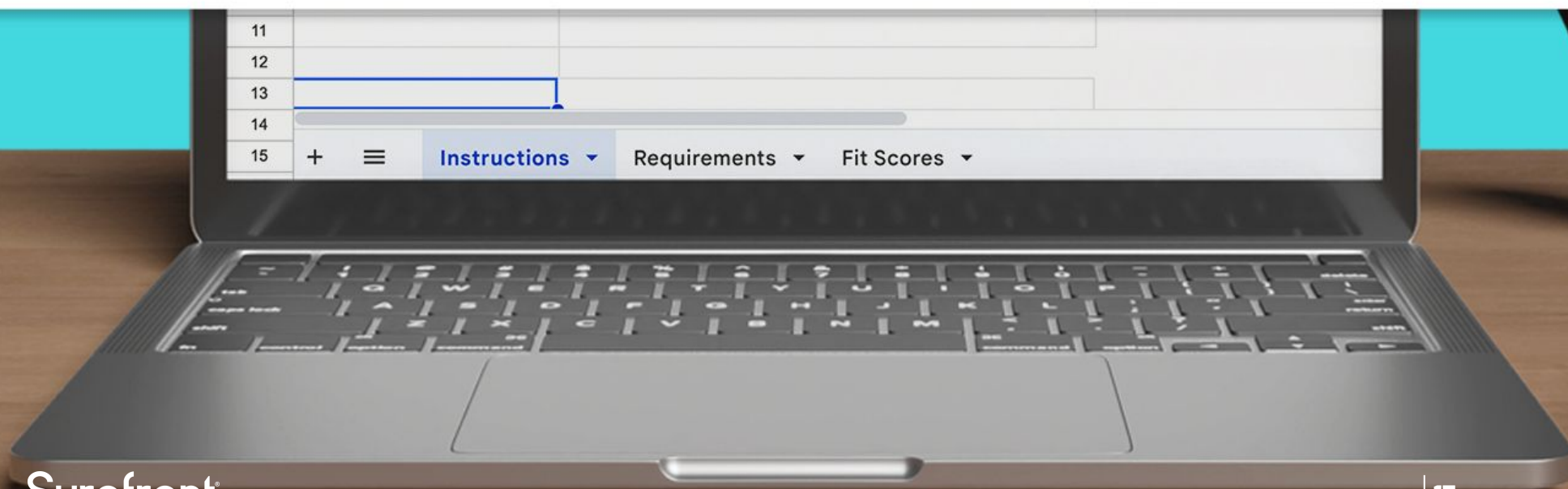
Include Multiple Views and Annotations

Provide comprehensive visuals to aid in understanding the design.





TRY IT FREE





Section 3

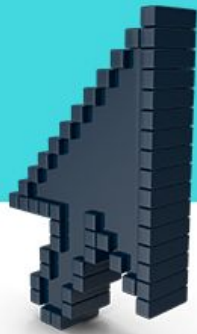
Tech Pack Templates

Tech Pack Templates

Templates save you time when creating tech packs for different purposes like merchandising, production, or quality assurance. It's easy to select the details you want to include on each template, then the next tech pack is only one click away.

Whether you are a buyer optimizing margin and costs, or a production manager ensuring items are produced to specification, or a quality assurance professional completing testing, Surefront's tech pack templates are key to your success.

The screenshot displays the Surefront Techpack Download interface. On the left, a sidebar contains 'Page Settings' with a 'Template' dropdown menu (highlighted by a red circle and the annotation 'Create templates for specific needs') showing options like 'Merchandising', 'Default', 'Merchan...', 'Production', and 'Quality Assur...'. Below this is a 'Display Sticky Notes' toggle and a 'Cover Page' toggle. A section for 'Drag & Drop Images or Browse' (highlighted by a red circle and the annotation 'Choose the Info You Want to Share') includes a 'Browse' button and a file type list (.jpg, .jpeg, .png). At the bottom, a 'Header Info' section (highlighted by a red circle and the annotation 'Choose the Info You Want to Share') lists checkboxes for 'Thumbnail', 'Subtitle', 'Company Name', 'Company Logo', 'Email', and 'Seperator', all of which are checked. The main area shows a techpack for 'bag190430301' with a 'PRODUCT IMAGE' of a bag. A red circle highlights a list of notes (highlighted by a red circle and the annotation 'Add Detailed Product Notes') with two entries: '1 Doug Heckmann 11:57 AM 02/09/2024 Change clasp color' and '2 Doug Heckmann 11:57 AM 02/09/2024 Change inside liner pattern'. The interface also includes a 'Fairview' logo and a 'royk@surefront.com' email address.



Surefront PLM Requirements Template .XLSX

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