REACH CAD

What does REACH CAD do?

Carrying out Apparel Pattern Engineering, Grading and Marker Planning manually is a notoriously inefficient and cumbersome process. **REACH CAD** effects significant time and labor savings by automating this process.

REACH CAD streamlines and improves efficiency of the fashion product development team by safeguarding against people turnover, eliminating manual errors, building a knowledge base that can be used to create and re-create garment patterns and garment markers and by enabling collaborative team working. Manual patterns of garments get worn-out and torn and cannot be re-used to create even slightly different fashion styles.

REACH CAD uses apparel specific intuitive and user-friendly tools to engineer garment patterns, grade the base garment pattern to various other sizes and to tightly pack these garment patterns to form the most efficient garment markers. Figuring out optimal layout of clothing patterns to form tight clothing markers needs the application of spatial visualization skills: this is best done on a computer monitor and not by going back and forth on a table.

Benefits of using REACH CAD

Make dimensionally accurate garment patterns that fit.

Use **REACH CAD** to create patterns that fit.
Forget about the wear and tear of the measuring instruments, differences in measurements between various instruments or differences in pencils.

With **REACH CAD**, you always get great accurate patterns!

REACH CAD

Modify garment patterns as required.
Easily and Fast!

Modifying pattern manually involves not only a lot of hard work but also use of a lot of instruments.
Also, since you need to access the earlier patterns that are to be modified, you need to be where the patterns are stored.

With **REACH CAD,** you can access your patterns any time, any where and modify these easily and fast.

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Add precise seam and other allowances to garment patterns easily.

Precise seam and other allowances to patterns are critical in garment construction.

Manually this takes a lot of time and is prone to errors.

A error in this can impact the overall construction of the garment.

With REACH CAD, you automate this process ensuring speed and accuracy.

Add notches, darts, pleats etc. to garment patterns in a few clicks.

REACH CAD enables you to do away with the tools required for adding notches, darts, pleats etc. and automates the process.

This ensures you save a lot of time and eliminate errors.

Production stage modifications of patterns/grading become easy. Production Planning and Control (PPC) and Production teams get the opportunity to quickly work on various options in clothing grading to achieve the desired results.

Production stage modifications of patterns/grading become easy.
Production Planning and Control (PPC) and Production teams get the opportunity to quickly work on various options in grading to achieve the desired results.

In many instances,the PPC department discovers that even though the graded patterns are accurate, the size set samples do not meet the required measurements.

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This could be due to a number of reasons: uneven shrinkage in fabric, curved parts of a garment or panels which are cut on bias sometimes elongate or shrink while stitching.

The PPC team needs to quickly work on many options of pattern revisions to see which option gives the desired result.This process become easy and quick with **REACH CAD**.

Ensure that checks and stripe matching is maintained in bulk by fixing the positions of clothing patterns on marker so that the final product is perfect.

In the construction of a garment with stripes and checks, the garment has to be properly metered. Metering is the alignment of the design, stripes or checks on the garment seams. So when the shirt, for e.g., is worn, the stripes on the left front panel would flow uninterrupted across the placket to the right front panel.

This process usually consumes a lot of time.

With **REACH CAD**, you can do this efficiently in minutes.

Make garment patterns anywhere and modify them anywhere without the need for pattern tables and tools.

With **REACH CAD** you can create or modify patterns any where, any time.

No need to for pattern tables, associated tools or pattern paper.

Retrieve earlier patterns and make changes or create entirely new patterns when you are free during the day or at night.

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Eliminate human errors in garment pattern design.

Errors can creep in when patterns are made manually for many reasons.
Manual pattern making process is laborious, repetitive and the most disciplined pattern maker too can slack off at times.
Or errors might be introduced because of the differences in the instruments used.
And when an error is made it is double the effort to make the correction.

Not so with **REACH CAD.**
With **REACH CAD** your pattern making process is effortless.
An even when an error is made unintentionally, you can make corrections in a jiffy.

Maintain historical records of styles, consumption, clothing patterns, clothing markers etc. easily for future styles and re-orders

Storage of manual patterns take a lot of space and careful handling.

Manual patterns can get worn out and torn and handling is often difficult.

With **REACH CAD,** you can easily store hundreds or tens of thousands of patterns and related data easily.

And retrieve these any time, any where.

Grade garment patterns accurately and quickly.

Manual grading of patterns takes skill,concentration and time. Even with the best efforts, inadvertent errors could creep in.

With **REACH CAD,** you can grade patterns accurately in a few clicks.

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Save hours of hard work while grading garment patterns.

Manual grading of patterns is laborious and takes many hours of hard work. **REACH CAD** automates grading saving you a lot of time.
Just think of a situation where you need to create a new garment style that is a slight variation of an existing one.
Manually all patterns have to be created afresh and graded.

With **REACH CAD,** you will save many,many hours of laborious work in this.

Superimpose garment patterns over one another and visually inspect the grading

With **REACH CAD,** patterns can be graded and then these graded patterns can be overlapped on one another to visually analyse even and correct grading.

This helps in avoiding any errors in grading of some specific areas like the armhole curve,grading around the placket area etc .

The markings for placing various types of embellishments/embroidery etc. can also be checked by overlapping the graded patterns.

Calculate fabric consumption quickly while doing garment costing or fabric procurement.

Fabric cost is often a significant part of the garment cost. Being able to accurately arrive at fabric consumption is key to a profitable apparel enterprise.

With **REACH CAD,** you can easily generate 'Mini Markers', email these to various team members, discuss and arrive at important decisions on costing or fabric procurement.

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Easily visualize various options in clothing pattern laying on various fabric widths.

Fabric comes in varying widths and different markers can be made for different fabric widths to reduce fabric wastage.

Manually visualising different pattern layouts for various markers for different fabric widths is a challenge, even for an experienced marker planner.

With **REACH CAD,** you can easily create different markers for different fabric widths easily saving you a lot of fabric and time.

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Enable production teams to avoid errors while laying clothing patterns on raw material

In the conventional method, patterns are laid on fabric manually to achieve the required consumption.

In this process,a skilled pattern lay expert needs to be there all the time to ensure that the patterns are laid correctly every time a new fabric lay is cut. Manually, this is a risky process and often results in incorrect laying of patterns causing increased consumption and wastage.

With **REACH CAD,** a fixed marker can be printed on a plotter and the chances that of a mistake in laying the patterns manually is eliminated.

Avoid human errors in the repetitive and laborious process of clothing grading

Errors can creep in when patterns are graded manually for many reasons.
Manual pattern grading process is laborious, repetitive and the most disciplined pattern maker too can make mistakes.
Or errors might be introduced because of the differences in the instruments used.
And when an error is made it is double the effort to make the correction.

Not so with **REACH CAD.**
With **REACH CAD** your pattern grading process is effortless.
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Include printable clothing markers and clothing mini-markers as part of your email communication with customers as required

Include printable markers and mini-markers as part of your email communication with customers as required.

Discussions with customers include discussions on costing.

Fabric is a significant part of garment cost.

When patterns and markers are made manually, these discussions can go on and on, back and forth without accurate references.

With **REACH CAD,** you can generate 'Mini Markers' and printable markers that enable detailed discussions on costing with customers to reach agreements faster.

To buy REACH CAD or for more information,

please email info@reach-tech.com