

## What does REACH CAD do?

Carrying out 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 product development team by safeguarding against people turnover, eliminating manual errors, building a knowledge base that can be used to create and re-create patterns and markers and by enabling collaborative team working. Manual patterns get worn-out and torn and cannot be re-used to create even slightly different styles. REACH CAD uses apparel specific intuitive and user-friendly tools to engineer patterns, grade the base pattern to various other sizes and to tightly pack these patterns to form the most efficient markers. Figuring out optimal layout of patterns to form tight 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.



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**REACH**  
Technologies

## Benefits of REACH CAD

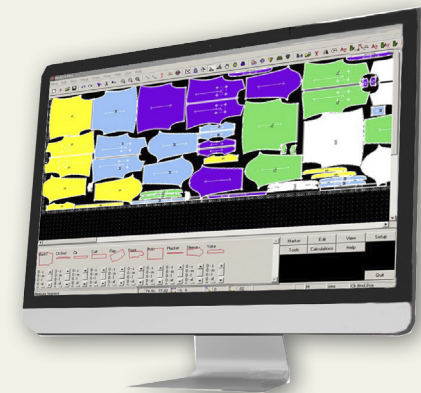
- » Make dimensionally accurate patterns that fit.
- » Modify patterns as required. Easily and Fast!
- » Add precise seam and other allowances to patterns easily.
- » Add notches, darts, pleats etc. to patterns in a few clicks.
- » Make patterns anywhere and modify them anywhere without the need for pattern tables and tools.
- » Eliminate human errors in pattern design.
- » Grade patterns accurately and quickly.
- » Save hours of hard work while grading patterns.
- » Superimpose patterns over one another and visually inspect the grading
- » 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.
- » Avoid human errors in the repetitive and laborious process of grading
- » Calculate fabric consumption quickly while doing costing for fabric procurement.
- » Easily visualize various options in pattern laying on various fabric widths.
- » Enable production teams to avoid errors while laying patterns on raw material
- » Ensure that checks and stripe matching is maintained in bulk by fixing the positions of patterns on marker so that the final product is perfect.
- » Include printable markers and mini-markers as part of your email communication with customers as required
- » Maintain historical records of styles, consumption, patterns, markers etc. easily for future styles and re-orders

Intelligent Solutions for Apparel, Garment, Clothing Sectors

# REACH CAD


*For Micro, Small and Medium Enterprises (MSME)*

Best In Class Apparel Pattern Design, Grading and Marker Planning software.



Industry 4.0 Artificial Intelligence Machine Learning Analytics

## Way Forward

Please write to us at [info@reach-tech.com](mailto:info@reach-tech.com) or message us at WhatsApp  +91- 8459278496 to request a call back.

We offer a number of engagement options:

1. REACH CAD software license purchase with or without Online /Onsite Training.
2. REACH CAD software rental/ subscription for 1 (One) day to 1 (One ) year with or without Online / Onsite Training.
3. Online / Onsite Training on REACH CAD. We provide REACH CAD software licenses and Trainer. You provide Class Rooms and Trainees. We also leave REACH CAD software licenses with you for 1 ( One) week to 3 ( Three ) months for Trainees to practise. We offer training in over 50 different languages.
4. Cluster Intervention where we station a REACH CAD product specialist in your area for 1 (One) month to 3 (Three) months to enable implementation of REACH CAD at 5 or more MSME apparel firms.

## REACH CAD for Micro, Small and Medium Enterprises (MSME)

Vast majority of apparel manufacturing firms are Micro, Small and Medium Enterprises (MSMEs). REACH CAD will save fabric and time for them enhancing their competitiveness.

General CAD products do not meet fashion/apparel industry user requirements well. Fashion/ apparel CAD needs many industry specific functions .For eg., grading (creating different sizes like S,M,L,XL,XXL etc from a base size) can be done in REACH CAD in minutes (manually, this could take hours). Adoption of intelligent digital tools like REACH CAD among apparel MSMEs have been very low for reasons of price, awareness, availability of local talent, local support etc.

Sewing machine is an engineering marvel. Also, a social engineering tool. Sewing machines brought millions of women the ability to participate in economic activity, even when they could not migrate to towns or family circumstances did not allow them to work outside for 8 hours, and consequent empowerment. Intelligent Digital tools like REACH CAD do the same today.

Today, a woman in a remote village can design textile and garment, create patterns for it and manufacture the garment herself or collaborate with a manufacturing unit to manufacture her designs. She can also offer apparel pattern design services as an outsourced service to a larger firm located elsewhere in the country or outside.

Apparel industry is among the most fragmented industries. Quite a lot of technology enablement has happened on the demand side ( eg. online sales catalogues, AI to understand consumer preferences and make recommendations etc.). However, on the supply side, tech enabling millions of apparel MSMEs is work far from done.

If you are a policy maker or a government representative, you can contribute to making apparel firms in your region competitive by creating awareness of and helping implement REACH CAD. We offer awareness sessions, workshops, pilot projects, training, elearning content, support for market and finance linkages and linkages to industry experts.

# REACH CAD

*Create Patterns That Fit.  
Accurately, Always.  
Save Time. Save Fabric.  
Collaborate With Team Members.*