

**REACH-CAD enables you to**  
Compress your product development cycle times substantially

You realize fashion is fickle. Consumer preferences change fast and retailers want merchandise faster.

You wish your organization could make accurate, well engineered patterns right the first time, all the time.

Then you know, you can thrive in a world where the fast eats the slow.

**REACH-CAD enables you to**  
protect / increase your Profit Margins

You face increasing pricing pressures, you need to protect your profit margins.

You know reducing fabric consumption is critical.

You realize a system that lets you engineer patterns efficiently and nest them together to develop high efficiency markers is competitively imperative.

You realize one can't visualize layout of patterns for efficient markers by walking up and down a 6 meter table.

You realize that's possible only on a computer screen and using software that taps one's spatial visualization skills.

You realize how large the financial savings are.

They benefit from REACH Solutions:


**REACH-CAD enables you to**  
Re-Use rather than Re-Invent Knowledge

You realize correcting, editing, deleting patterns account for a large part of pattern development time.

You wish you didn't have to re-do a pattern that is only slightly different from an earlier pattern.

You wish you could mix and match patterns and patterns, markers and markers, lines and curves.

You wish you could send patterns and markers to your production unit kilometers away in a matter of minutes.

You wish you didn't have to make a change in the armhole when the sleeve crown is modified.

**REACH-CAD enables you to**

Translate Individual Knowledge to Organizational Knowledge by automating the pattern making/marker planning process and thereby safeguarding you against people turnover.

Does your Pattern Maker / Marker Planner go on leave sometimes? Does this have an impact on order execution time?

Is there a possibility of his / her leaving the organization sometime?

Will he/she walk away with the knowledge and skills?

Does your organization have mechanisms to translate Individual Knowledge to Organizational Knowledge?

## Benefits

Accurate patterns.

Accurate grading.

Tightest markers.

Feed accurate cut parts to the sewing sections.

Translates pattern engineering skills into Organizational Knowledge.

Enables reuse and modification of existing patterns.

Eliminates / minimizes errors by enabling collaboration between various relevant workgroups.

## About REACH Technologies

REACH Technologies, a leader in Business Technology Solutions for the global soft goods industry, offers pre-packaged products, custom solutions, Business Process Outsourcing (BPO), consulting services and offshore development facilities.

REACH solutions enable stake holders across the soft goods value chain work collaboratively more effectively and efficiently.

REACH solutions impact the creme de la creme of companies, academic and research institutions including Calvin Klein, DIESEL, GAP, Levi's, Marks & Spencer, NIKE, TESCO, United Colors of Benetton, Tommy Hilfiger, Wal Mart, Zodiac Clothing, Madura Garments, Arvind Clothing, Gokaldas, United Nations Conference on Trade and Development, Apparel Training and Design Centre, Apparel Export Promotion Council, Clothing Manufacturers Association of India, National Institute of Fashion Technology, Regional Vocational Training Institute etc.



### REACH Merchandising Manager

is tailored to ensure your competitiveness in the sewn product manufacturing and merchandising marketplace where trends are created overnight; fashions change quickly and without warning. RMM streamlines sampling, merchandising, production and quality processes, integrating customer service with optimal utilization of resources across the enterprise.



### REACH Cut Planner

is the proven industry standard Cut Planning tool that uses techniques in combinatorial optimization and decision support to let you save significant quantities of fabric.

Finding the optimal allocation of plies and fabric rolls for a given set of style / colour quantities present a challenge to the best cut planners. The number of variables and possible solutions exceed normal human abilities but not that of REACH Cut Planner.



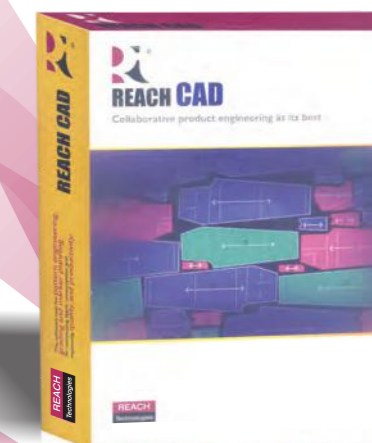
### REACH Fashion Studio

is a multipurpose software for design, sales, sampling and printing departments of apparel, textile, leather, interior and home furnishing industries.

REACH Fashion Studio does 3D storyboard and cataloguing, texture mapping, colour reduction and cleaning, design and repeat, colourways, screens for printing and colour communication using pantone.



**REACH CAD**  
Minimize waste.  
Maximize quality and save time.



**REACH**  
Technologies

**REACH**  
Technologies

[www.reach-tech.com](http://www.reach-tech.com) | [info@reach-tech.com](mailto:info@reach-tech.com)

enabling collaborative partnerships across the soft goods value chain

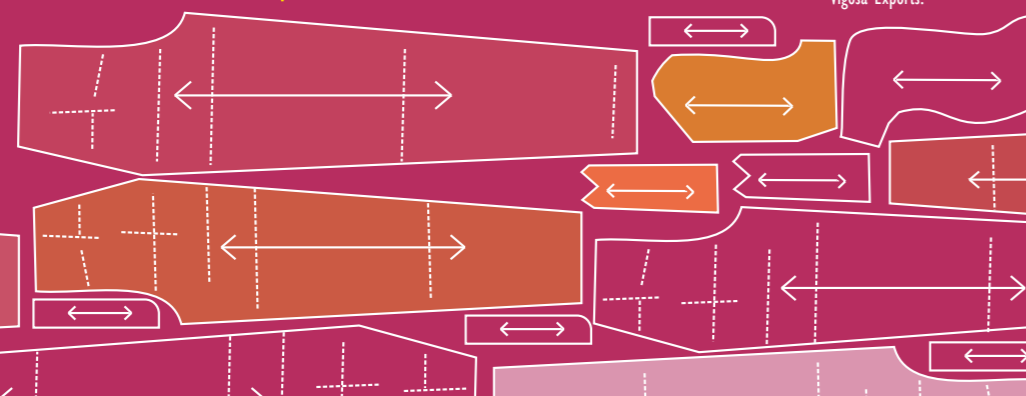


"We are satisfied users of REACH CAD package and find that it compares favorably in all areas of functionality with global competitors like Lectra, while providing much better value."

Sumir Hinduja, Director  
Gokaldas Images.

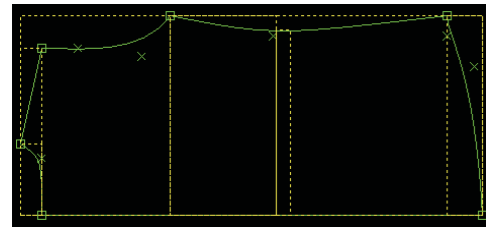
"REACH CAD is working brilliantly for us. Once the buyer has approved the pattern, REACH CAD grades it perfectly to all the other sizes. All the mistakes associated with grading a pattern manually have been eradicated. Our pattern makers now have time to do more things, to develop more styles. It's a great productivity enhancement tool."

Sunil M. Masand, Managing Partner  
Vigosa Exports.



# Bringing in the best practices in apparel product development

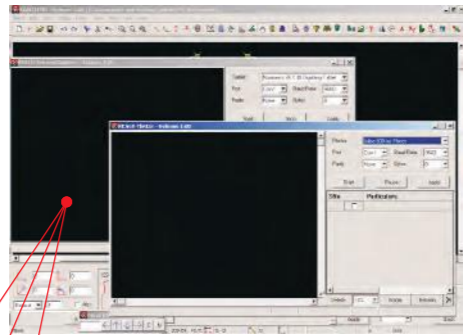
Optimizing fabric consumption. Improving process capabilities. Cutting down cycle times.



## Faster Pattern Drafting

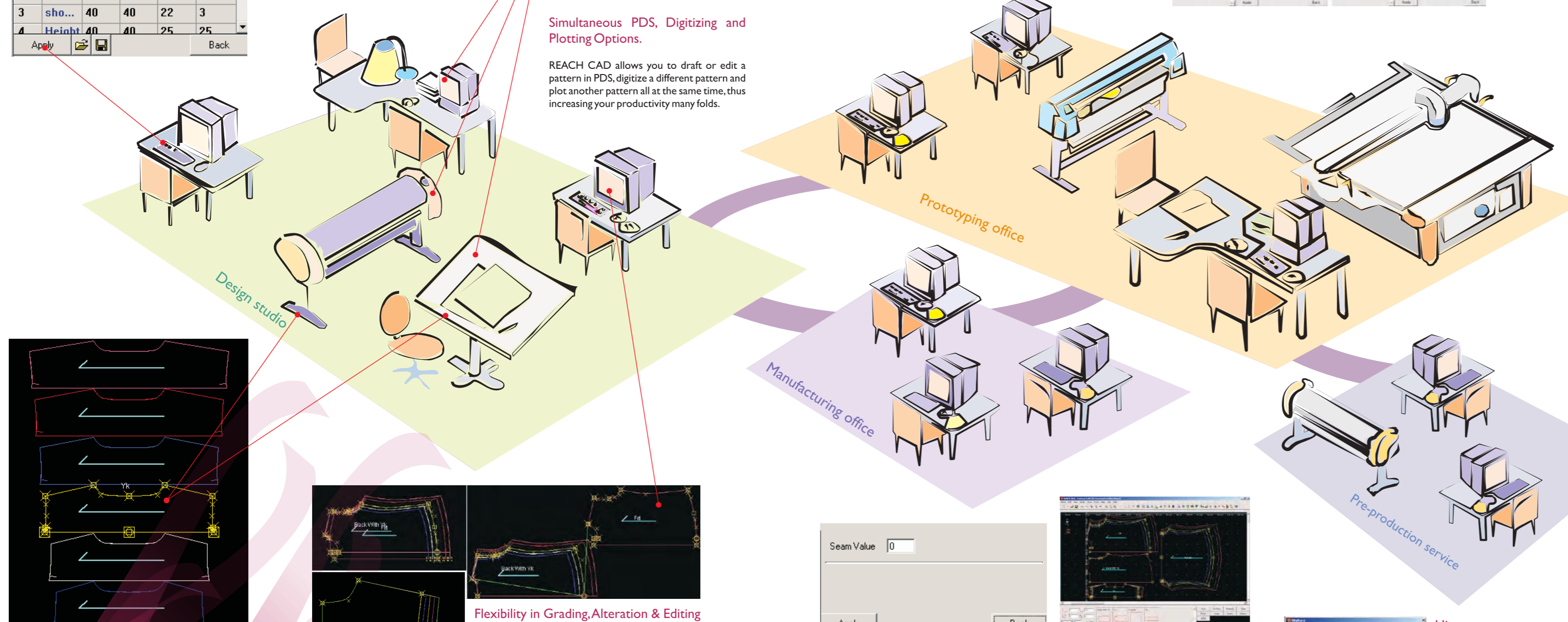
Block, tracing and grade values can be saved and used as templates to develop multiple styles, thus speeding up the drafting of patterns.

SNo	Name	Left	Top	Width	Height
1	Chest	40	40	25	55
2	Neck	40	40	8	5
3	sho...	40	40	22	3
4	Height	40	40	25	25

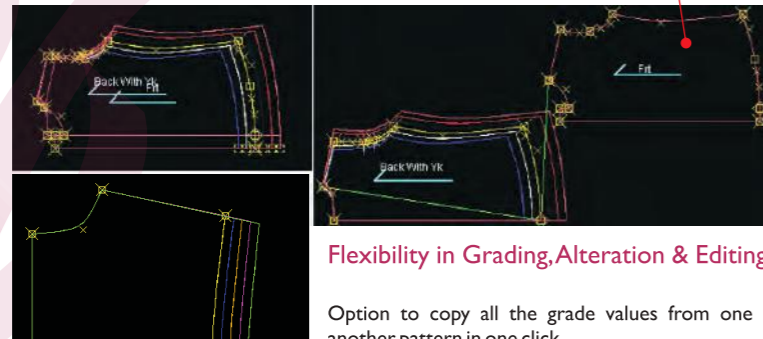


## Simultaneous PDS, Digitizing and Plotting Options.

REACH CAD allows you to draft or edit a pattern in PDS, digitize a different pattern and plot another pattern all at the same time, thus increasing your productivity many folds.



**Flexible tools**  
Patterns after grading can be un-nested easily and the user can make amendments to any of the patterns, if required.



## Flexibility in Grading, Alteration & Editing

Option to copy all the grade values from one pattern to another pattern in one click.

Patterns can be placed on top of each other and graded simultaneously at required points. This is helpful as patterns having similar grade rules can be graded together, thus speeding up the grading process.

REACH CAD makes Angular Grading possible.

Grade rule can be saved and the same can be applied for another pattern.

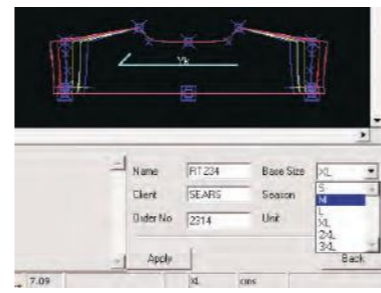
SNo	File Name
1	15Strike.Dxf
*	M22556811...

## Open CAD

REACH CAD does not attempt 'vendor lock-in'.

REACH CAD adheres to international pattern data exchange formats.

In REACH CAD the user can convert pattern files from one format to another for import & export of data. Thus REACH CAD can communicate with other CAD programs seamlessly.

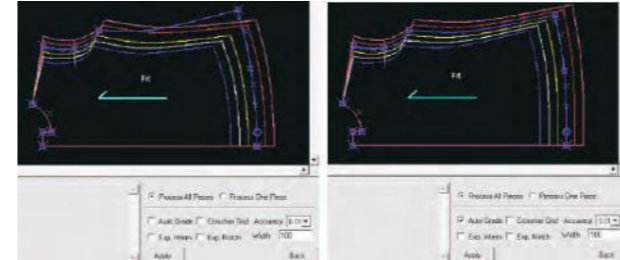


## Faster Grading

Option to have any size pattern as base pattern.

After grading a particular style the user has the option to add more sizes at the click of a button thus saving considerable amount of time.

One size can be altered in a nested pattern without affecting other sizes and vice-versa.



Size Name: [ ]

Buttons: Inset, Append, Back

sNo	Piece	Cut	Material	Way	FlipX	FlipY	Annotate
1	Back ...	0	Shell	Two	<input checked="" type="checkbox"/>	<input type="checkbox"/>	\$PIECE...
2	Frt	2	Shell	Two	<input checked="" type="checkbox"/>	<input type="checkbox"/>	\$PIECE...
3	Rdy Bk	1	Shell	Two	<input checked="" type="checkbox"/>	<input type="checkbox"/>	\$PIECE...
4	Yk	2	Shell	Two	<input checked="" type="checkbox"/>	<input type="checkbox"/>	\$PIECE...

## Error Free Markers

Patterns can be classified by the material used and patterns of different fabrics can be extracted to their respective markers at the click of a button, thus reducing the possibility of human errors.

In REACH CAD the user has the flexibility to import selected patterns from different styles into a marker, using the variant file option thus speeding up the marker making process.

Alterations made to patterns will automatically be updated to the respective patterns in the marker file thus ensuring an error free marker.

SNo	Piece	Warp	Weft	Tol Angle
1	Back W...	2	2	0
2	Frt	2	2	0
3	Rdy Bk	2	2	0
*	Yk	2	2	0

## User friendly Shrinkage

In REACH MARKER, different shrinkage allowances can be applied to the patterns to correspond with the fabric's lot wise shrinkage difference.

Horizontal  Vertical  Anywhere

Distance: 19.6  Closest Distance

Buttons: Apply, Change, Back

## Tight Markers

Gap between two patterns in the marker can be measured. Also, patterns can be placed on a marker at a specified distance thus enabling the user to make a precise and an optimum marker.

Select Size: [s] Copy Type: Twisted

Replace Size:  Retain Sizes  Copy Sizes

Buttons: Apply, Back

## Time Saving Options

One marker combo can be replaced by another combo at the click of a button thus enabling the user to look at various combinations in a marker, saving time and fabric. (E.g. Combo of sizes 42 & 44 can be replaced by the combo of size 38 & 40).

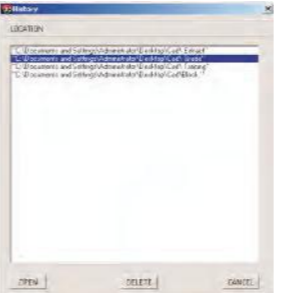
Source: [m] Destin: [s]

Buttons: Apply, Back

Select Size: [s] Copy Type: Twisted

Replace Size:  Retain Sizes  Copy Sizes

Buttons: Apply, Back



## History

It is possible to save the history of the changes made to a pattern as multiple files while drafting, and one can switch between the files thus reducing time and making the pattern drafting process even more user friendly.

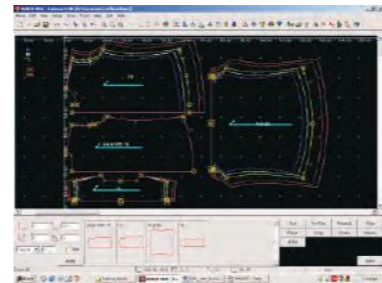
Seam Value: 0

Buttons: Apply, Back

Length: 3 Pattern Internal Tracing

Angle: 45

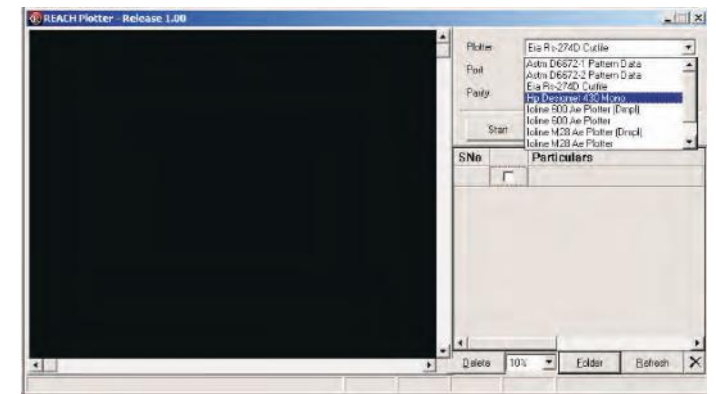
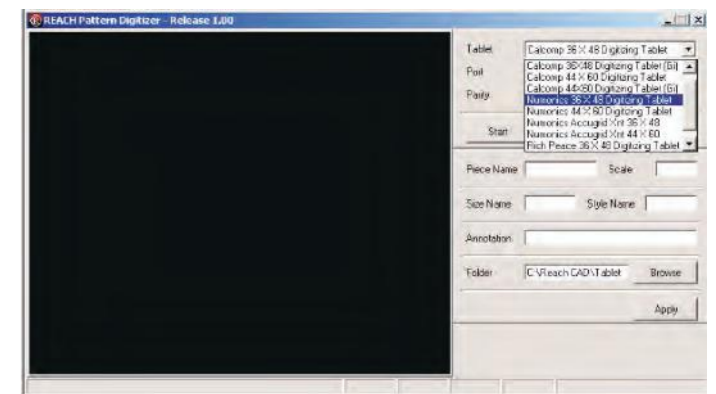
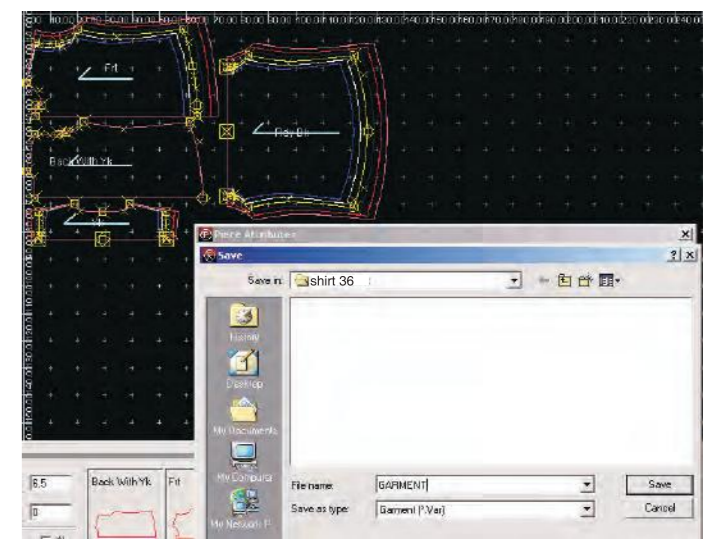
Buttons: Apply, Back



## Much faster tools

REACH CAD provides the user with various tools to edit the pattern, tracing as well as the internals.

Various options in REACH CAD can be accessed in multiple ways thus making the software easy to navigate.



## Compatible with a range of hardware

Compatible with globally available digitizers and plotters.

SNo	Particulars	Value
3	Pattern Area	1.84 Sq. Mts
4	Total Area	3.21 Sq. Mts
5	Area Wasted	1.37 Sq. Mts
6	Pieces Placed	6
7	Total Pieces	10
8	Efficiency	87.26%
9	Fabric GSM	200
10	No Of Garments	5
11	Garment Weight	.37 Kgs
12	Total Weight	.64 Kgs
13	Weight Wasted	.27 Kgs
14	Consumption/Garment	.54 Mts/Gmt
15	Area/Garment	.64 Sqm/Gmt
16	Weight/Garment	.13 Kgs/Gmt

## Real Consumption Facts

In REACH MARKER, detailed Fabric Consumption report for both woven fabric (MTRS) and knits (KGS) is available.

enabling collaborative partnerships across the soft goods value chain

