

**PolyPattern**



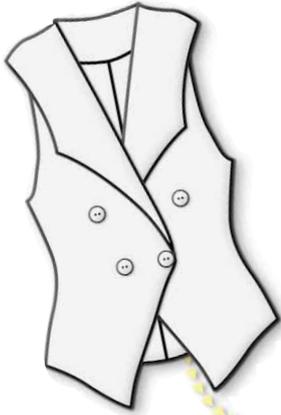
**Pattern Design,  
Grading, and Marking**



## Productivity

The bottom line in the user friendliness issue is that the user must be able to get results fast. Examine the actual measured times from our users.

### PolyPattern: Time to complete a vest pattern:



TASK	PolyPattern
Basic pattern design	2' 07 "
Design and add tail	2' 37 "
Set fabric direction	0 "
Design collar	1' 14 "
Design front facing	24 "
Non-proportional grading	2' 18 "
Define and add seam allowances	45 "
Define and cut armhole facings	15 "
Assemble garment and save	1' 10 "
<b>Total Time</b>	<b>10' 50 "</b>

Time measured is the time to perform the listed steps in PolyPattern.

### PolyPattern: Time to complete a t-shirt pattern:

TASK	PolyPattern
Basic T-Shirt Design	1' 23 "
Non-proportional grading	1' 02 "
Add seam allowance	18 "
Hems	11 "
Cuts	40 "
Grading cuts	0 "
Assemble garment - save	11 "
<b>Total Time</b>	<b>4' 45 "</b>



Time measured is the time to perform the listed steps in PolyPattern.

## Accessible Functionality

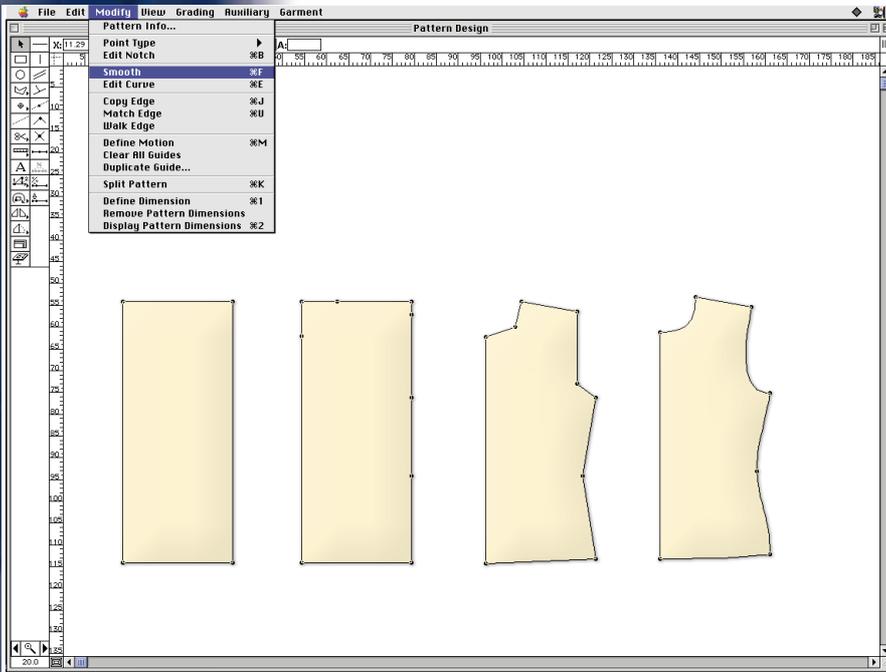
You'll use all of PolyPattern's features because you'll know *how* to.

## Open Architecture

PolyPattern runs under both **MacOS®** and **Windows®** operating systems. PolyPattern's ability to communicate with most plotters, digitizers, cutters, databases, spreadsheets, and other pattern systems, using international standards, guarantees that your investment in PolyPattern will last long into the future.

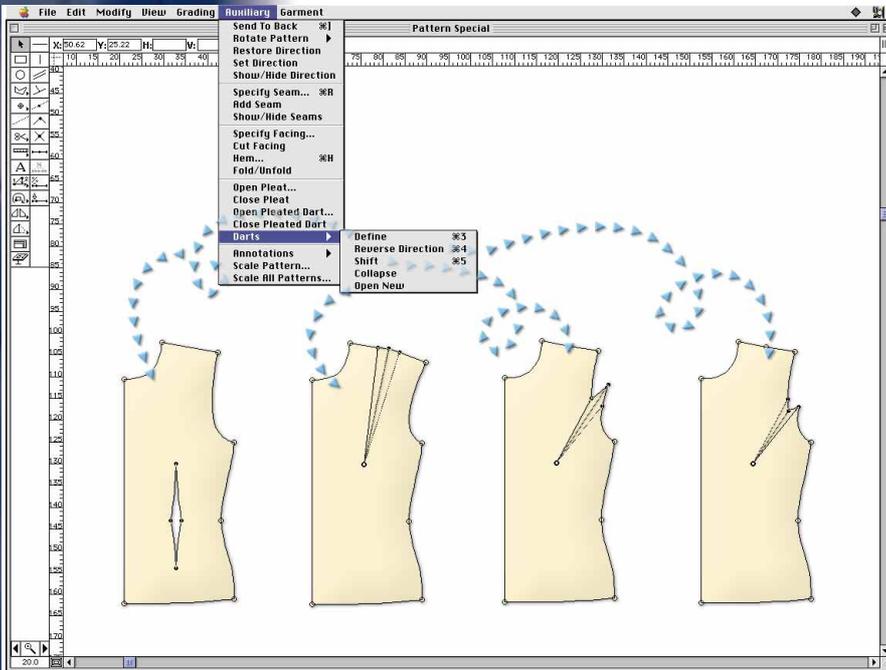
As we continue to add features and functionality to PolyPattern,

# we promise to keep it simple.



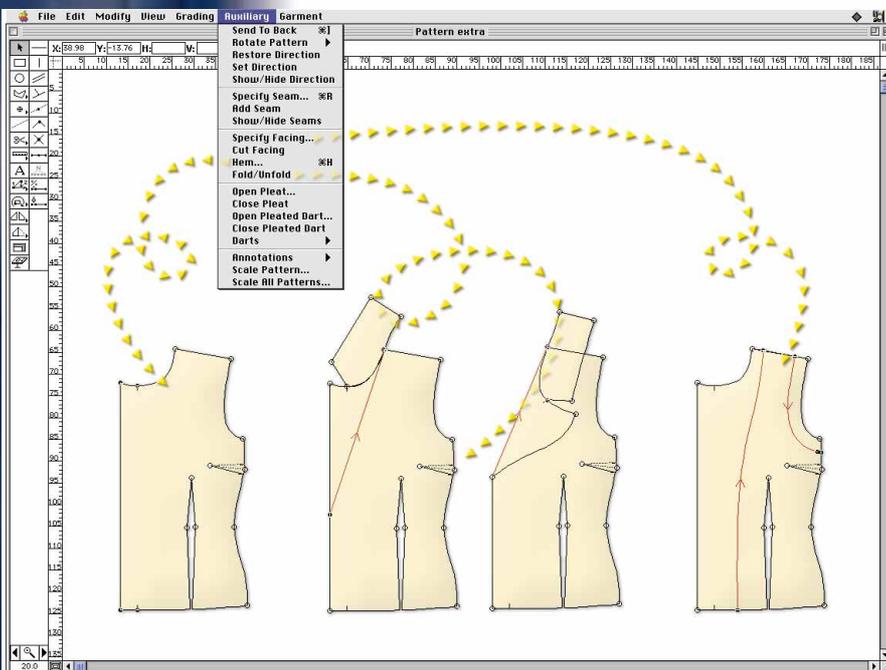
## SPEED

PolyPattern's construction tools, combined with its unique "snaps" and keyboard input, allow you to work quickly, with perfect ease and precision. You can work in any sequence, without restriction, on any pattern part or even on many patterns simultaneously.



## SIMPLICITY

Just take a look at how we handle darts. Darts can be defined on a pattern where the space for the dart can be added by "opening" a dart, all or part of a dart can be shifted to one or more points, and you can make a dart fold the other way. In any case, it's a one-step operation!

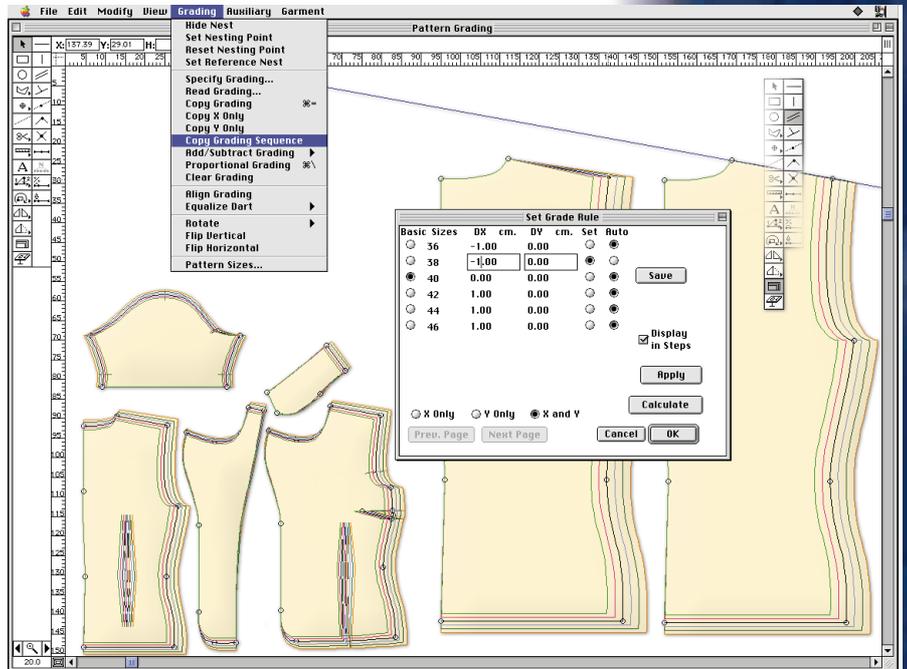


## ADVANCED FEATURES

PolyPattern gives you other advanced capabilities such as instant hems and automatic facings and seam allowance. You can even fold a pattern, such as a collar or lapel, to get a view of how the finished garment will look and perfect your pattern from this view.

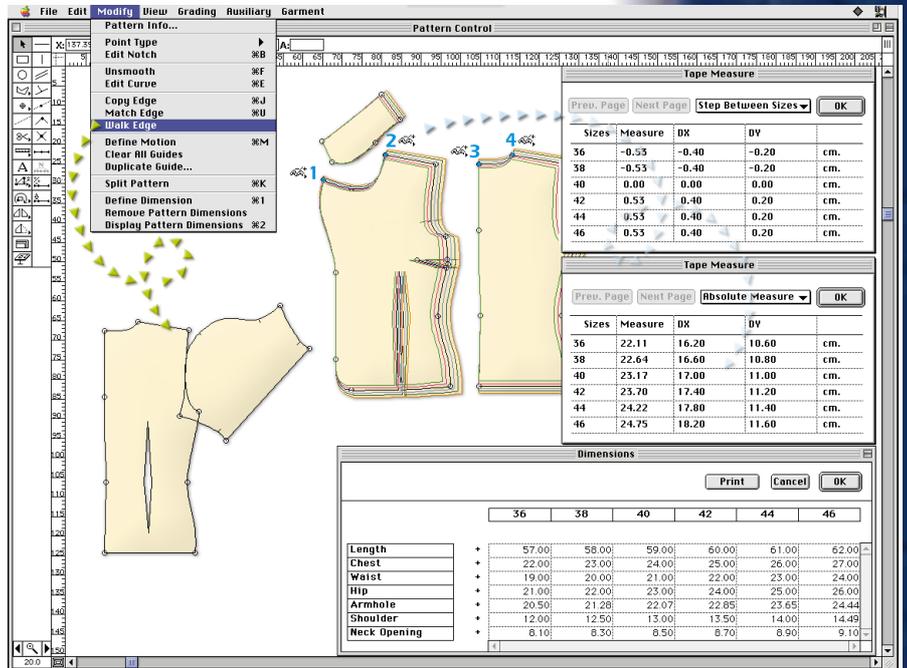
## FLEXIBILITY

As with all tasks, grading can be done in a variety of ways. You can grade using a classic X-Y table, or by using the graphical grade tool to easily specify a grading along any line. Grading is done quickly and correctly, due to the number of ways you can manipulate grade rules, such as copying, adding, rotating, etc., plus the ability to “equalize” dart grading.



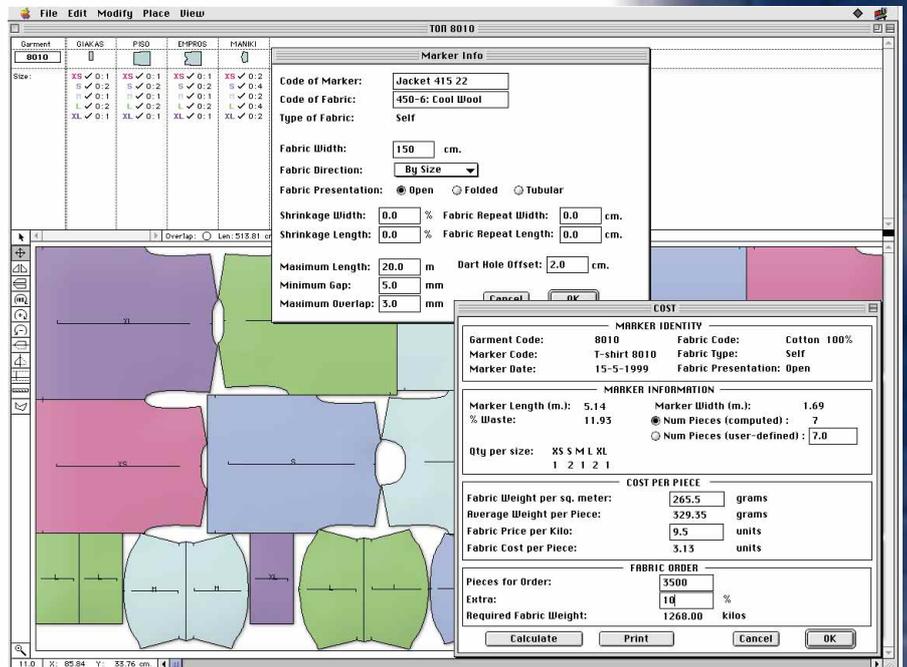
## CONTROL

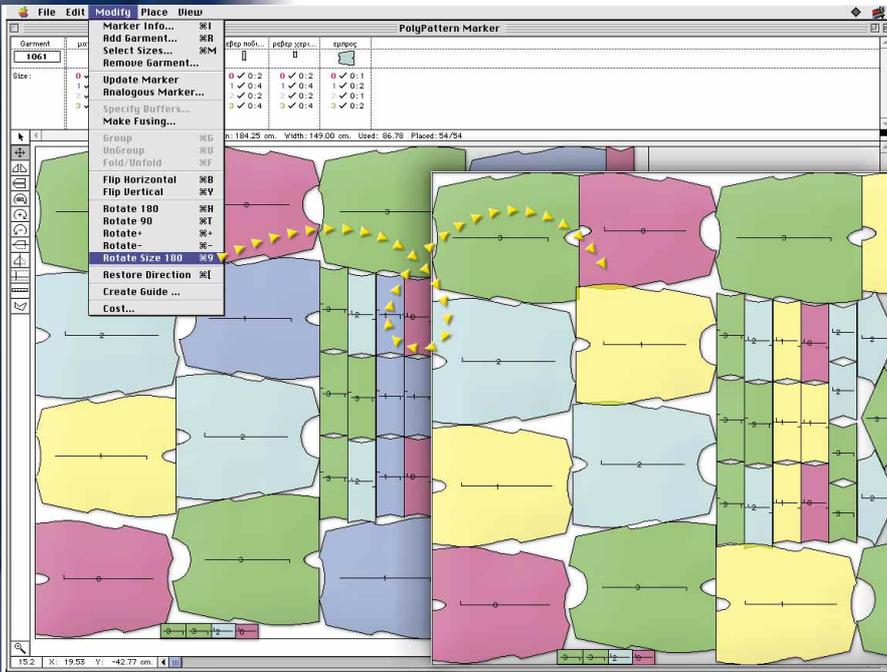
Many tools are available for you to make sure that what you have created is correct. Shown here are “curve walking”, multiple measurement tables which can be viewed in absolute or relative terms, and a table of dimensions for an entire pattern. The information in these tables can be printed or copied to another application for further calculations or filing.



## EFFICIENCY

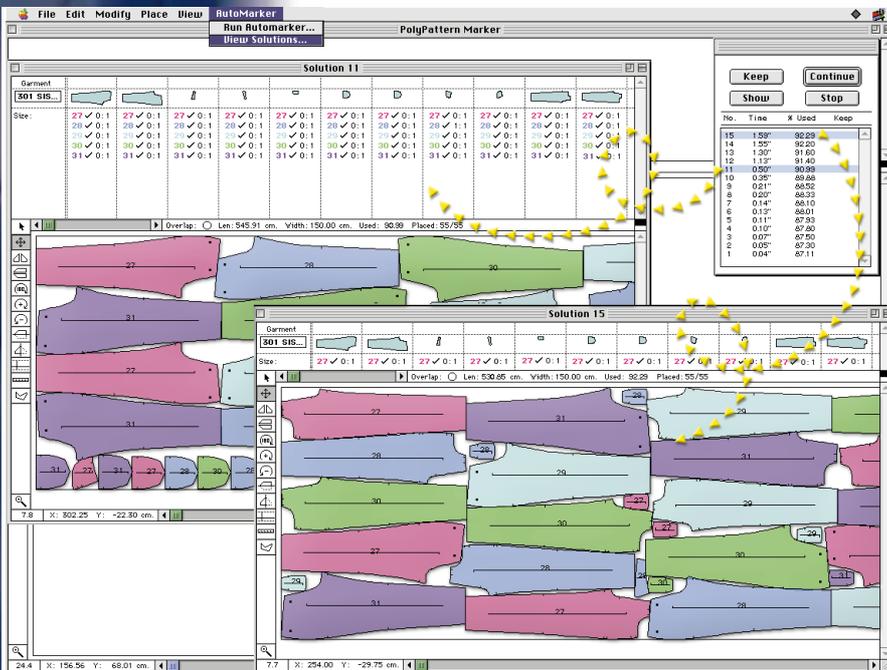
PolyPattern lets you quickly assemble a garment and pass it on to the marker. There are no mistakes in the patterns, no open ends to go over and correct because PolyPattern makes sure your patterns are well-defined throughout the design process. Marker parameters are more than adequate, yet simple to specify. Another simple but effective feature is the quick cost estimate for knitted fabrics.





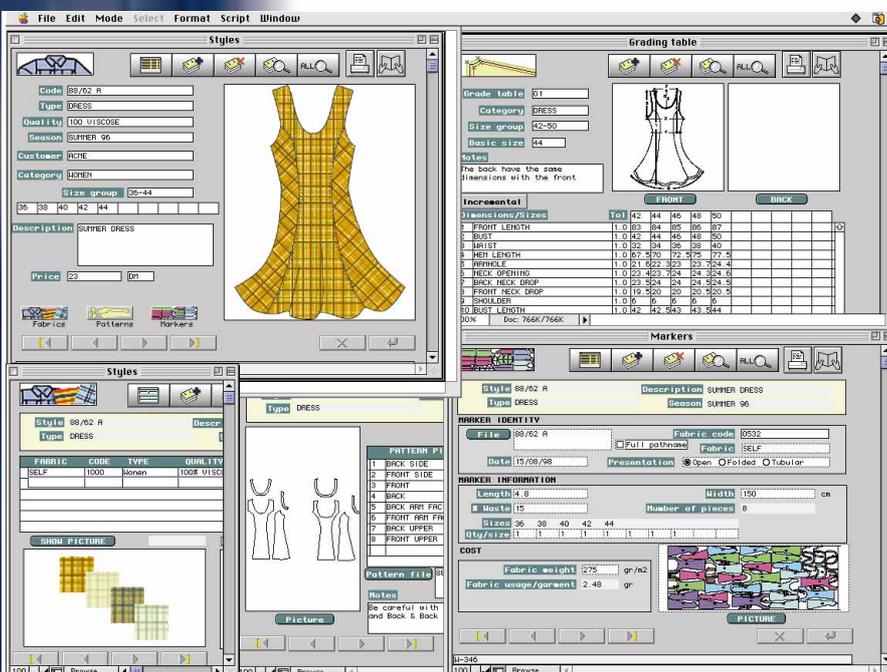
## SMART TOOLS

The burden of the work is PolyPattern's. Take fabric direction. You simply specify how you want to control it - strictly, by size, or by bundle, or not at all. PolyPattern does the rest, counting bundles, checking direction, making sure you don't make a mistake. Of course, that doesn't mean your hands are tied.



## AUTOMATION

PolyPattern's automarker module is smart and simple. You only need specify some basic parameters, and PolyPattern generates efficient markers by itself. You can run an automarker in the background while you continue to work, or queue several for unattended processing. Save as many solutions as you like, and review them later.



## DATA MANAGEMENT

As the amount of data you put into a system grows, it gets tougher and tougher to keep track of. The solution? PolyPattern Database. Keep track of basic style information plus pattern and markers associated with your styles. With a single command from the PolyPattern Design or Marker module, you can automatically update the database with pattern or marker information. The database knows the location of your files, so with a simple click PolyPattern will directly open your pattern or marker files.

## Output

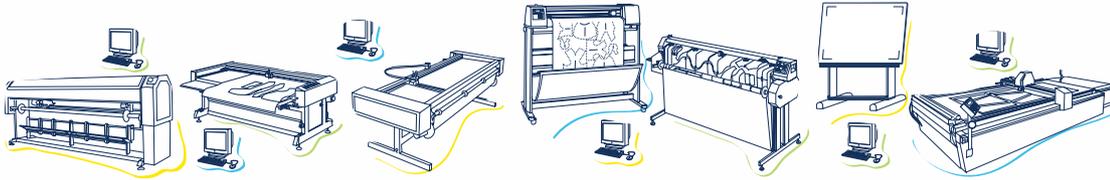
Ioline Models 600 & 28, Ioline Summit, Ioline Studio, Wild TA series, Roland PNC-1100, Mutoh AC series, Algotex, Calcomp, Hewlett Packard, Lectra Systems, GGT Accuplot, any RS-232 plotter with HP-GL 7475 compatibility.

## Input:

Any ADB digitizer (MacOS computers only) or any serial digitizer with standard RS-232 communications and capable of emulating: Numonics, Summagrid, GTCO, Calcomp 2000, Calcomp 9X00. 16-button cursor required.

## Data Exchange

Copy/Paste of all PolyPattern objects to other applications, Copy/Paste from key information dialogs, automatic data transfer to PolyOrganize PDM system, Import/Export AAMA format, Export HP-GL, Export ISO cut files.



## PolyPattern Modules

### PolyPattern Design

Essential pattern design features for the knitwear manufacturer:

- Work quickly and accurately, due to PolyPattern's unique combination of input from the mouse, keyboard, and "snaps".
- True multi-window environment..
- Work simultaneously on as many patterns as you like.
- Work in any sequence, without restriction, without specifying information that is of no importance.
- Use any pattern construction technique - PolyPattern's construction tools are suited to any method.
- When specifying any sort of measurement, use absolute or relative measures.
- Geometric tools for creating and modifying rectangles, polygons, circles, curves, and construction lines.
- Cut and join patterns along any shape edge.
- Rotate, mirror, and unfold patterns.
- Text tool for writing notes and reminders.
- Automatic computation of seam allowance, which can

be changed at any point..

- Automatic computation of facings and hems.
- Customize your working environment..
- Quick, no-fuss, garment assembly.

### PolyPattern Design Pro

Everything in the Design module plus advanced features such as:

- Automatic opening of any type of pleat.
- Automatic dart creation and shifting.
- Edge-walking to determine the "fit" of two pieces.
- Pattern annotations of any shape or text..
- Advanced measuring tools to add and subtract measurements across many patterns.
- Keep any dimensions you choose in a dimension table, that reflects any subsequent changes you make to a pattern.

### PolyPattern Grading

Complete set of grading features includes:

- Give any names you want to sizes.
- Save size specifications in reusable groups.
- Graphic or table-like specification of grade rules.
- Grade rules are re-

usable and transferable to other patterns and styles.

- Add, subtract, rotate, mirror, and combine grade rules.
- Visualize a graded nest, in as many sizes as you want, on screen, or on the plotter, with any point as reference.
- Add new sizes, in-between or as an extension of existing sizes, which will be automatically graded.
- Automatic, accurate, dart grading.
- Measure quickly all sizes in the nest..
- Advanced measuring tools to add and subtract measurements across many patterns and see the result in one table, in absolute measurements, steps between sizes, or relative to the basic size.

### PolyPattern Digit

Quickest, simplest, digitizing possible:

- No advance pattern setup. Simply click the digitize tool and start tracing the paper pattern.
- Unlimited removal of points in case of an input mistake.
- Digitize grade rules simply by indicating position of corresponding point in another size.
- No need to key in text data from an on screen keyboard or

large digitizing cursor.

### PolyPattern Import/Export

Import/export of AAMA/ANSI-292 standard pattern data.

### PolyPattern Marker

Interactive marker making:

- Simple specification of marker parameters - from design to marker in no time, with no hassles.
- Key equivalent for all tools - designed for one hand on the keyboard and the other on the mouse.
- Leave an automatic gap around hard-to-cut pieces.
- Change the order quantities at any time.
- Use more than one style in a marker.
- Automatically re-size patterns to accommodate specified fabric shrinkage.
- Update a marker's patterns to reflect any design changes.
- Duplicate all or part of a marker in different sizes.
- Simple to manage features for managing special fabric types with repeats, direction, or fusing.
- Automatically make a marker similar to another.
- Marker check feature which points out all trouble spots.

- Quick cost estimate for knit fabrics.

### PolyPattern AutoMarker

Automatic marker making:

- Run simultaneous automarkers in the background.
- User-specified number of solutions to be saved.
- Piece parameters such as spacing, rotation, and direction.

### PolyPattern Database

Relational database for keeping track of style, fabric, marker and pattern info.

- Automatic update from PolyPattern Design, Design Pro, and Marker modules.
- Keeps track of file locations for pattern and marker data.
- Powerful search engine.
- An image can be attached to each style, fabric, sketch, pattern, and marker for quick recognition.
- A single click launches PolyPattern and opens a window containing the specified patterns or marker.

### PolyPattern Connectivity

Connectivity to non-standard RS-232 plotters such as GGT and Lectra Systems.

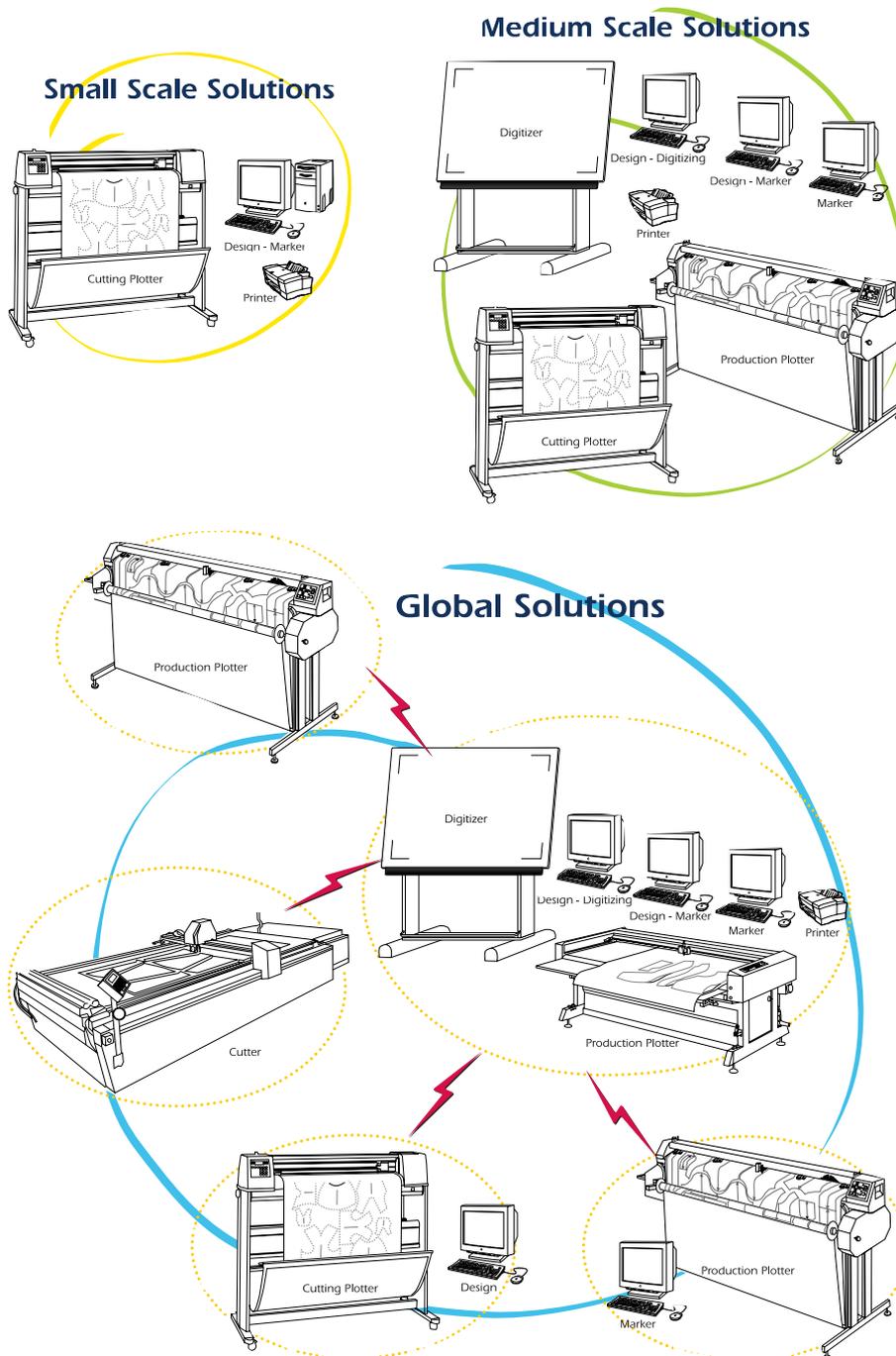
# SOLUTIONS

Since

- PolyPattern runs under both MacOS® and Windows® environments,
  - you can configure the software to as many modules as you need,
  - PolyPattern connects to a wide variety of hardware,
- no matter**
- what your current setup is,
  - what the size of your operation is,
  - how you run your operation,

**there is a PolyPattern solution to fit.**

Whether you are a pattern design bureau, a fashion atelié, a small or medium size manufacturer, or a large size manufacturer whose operations take place in more than one location, we have a solution you'll be pleased with.



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**PolyPattern**

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