



 **ET CAD**

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 **SAMR**  
TECHNOLOGY

## ENHANCES & TRANSFORMS FLOW OF DATA FROM DESIGN TO CUTTING ROOM



Today's customers want it all, easy to use, quality and value, all through a customised experience. The brands, retailers and garment manufacturers who explore this new reality and make speed market the top priorities are the ones who will win.

Those equipped with ET CAD supported by SAMR Technology—a trusted platform in the fashion industry—will be ready for the challenge.



### ET PATTERN DESIGN

- Intelligent Pen – Ai Based ON screen Digitizing
- Vector convert to Embroidery
- Easy to bead and fix a position for Embroidery Piece
- Patent name : Method & apparatus for turning bitmap representation of a graph into vector shadow lines  
Patent number:ZL201010501467.6
- Few Click Collar & Sleeve Design
- Use existing blocks to create new styles and achieve consistent fit across seasons.
- Track original pattern and compare revisions.
- Drive and Marry pattern pieces on screen to ensure notch placement and proper sewing.
- ON/OFF easy viewing of notch shapes on patterns.
- Quick pattern development of Dart, pleat, and fullness functions help you create complex designs with click of few buttons.
- ET System provides standard pattern design tools not only for lady's sleeves, but also for mens suits two pieces Sleeves.
- Match Men's suit sleeve check and adjust measurement 3D visually evaluate sleeve style.
- **Seam Smooth Function** : Match & smooth bottom line, 3D preview the effect.
- One Click Zip Simulation realize fixing position between two pieces. Such as when you make pocket mouth position, fix notch position etc.
- **One Click Pleat Function** : Crossing tooth pick pleat.
- **Down Filling Tool** : Point out where to fill down by cursor, then ET system will calculate the down grams for this piece. After grading, the down grams of other sizes will be calculated automatically and loaded to Excel.
- **Quick Drafting** : Simple measurement adjustment to get a new style.
- **File Comparison** : You can get all amended info via comparing the amended file with the original file.
- **Productivity Tracking** : Memorises time for creating and modifying.
- **Measurement Tracking** : All named measurements are recorded. If any alterationa are made to Named



The ET CAD Platform combines a powerful basket of fully integrated software tools capable of taking your imagination from concept to retail with the speed and efficiency that the market demands.



measurement, ET system will record and update the measurement chart database.

## GRADING MODULE : : Pattern Design and Grading All-in-one

- In Grading interface, all tools for pattern designing are open. When convert Between Pattern Design & Grading, ET system will hide the details which are not useful on current interface.
- **Online Image Grading accelerate on -demand manufacturing process. :**  
The most Comprehensive & Super-Fast Grading Software in the Industry
- Size chart grading
- Formula Grading
- Data Grading
- Outline Grading
- Rotate Piece Grading
- Pick Split Grading
- Point or Piece copy Grading
- One key file copy Grading
- Can combine all the grading modes
- Auto Close pleat then grading
- Different pleat width for dif size
- Split embroidery grading
- Top Stitch auto grade together
- Notch curve grading
- Tolerance grading
- Text grade with line
- Text different grade for each size
- Single size grade
- Different button number for each size
- **Use multi-dimensional Grading:**  
One-Click Grading need no adjust repeatedly & Keep the shape unaltered after even changing angel to match the pieces.
- Split and close the pieces to grade intelligently with Single click

## • Other advanced Features :

- Fabric relational data base for quick marking.
- Memory Grade allows users to review to original Graded Nest Vs New Graded Nest
- Grading memory eliminating the need to re-grade pieces after modifications.
- Graded Measurement Chart can be exported to ERP or PLM
- Advance Alteration Library helps to create MTM Apparels from Original Pattern

## ET Marker Making

- Easy Marking for production with material width, Length, Colour and Size.
- ET System provide two methods to place piece: Overlapped automatic -ally placed nearby and Drag/Slip placed.
- ET system's Ai can automatic detect normal human errors up to 11 items reduce the risk of wrong marker being executed.
- ET System's MIS Reporting will provide marker plot data.
- User can access multiple markers of same style at a time.
- Get Interlining Marker Automatically with buffer on single click.
- Single Click Function for Edge or Corner for Cut Labelling.
- Cut file output to Industry Standard Multiply Cutting with cut sequencing
- and cutting time computing, Multi-Dimensional fabric cost calculation sheet

Drawdown your imagination using any 3D Software further seamlessly integrate your 3D renderings to ET CAD Pattern Design using DeSL. Automate your markers in Intelligent Nesting in combination with Planning Tool for material allocation for iECHO Spreading and Cutting.

API with DeSL, the industry's leading PLM software, ensures that data is seamlessly published in its Cloud for teams to access it domestically and internationally

Registration of intellectual property rights



## MULTIPLE MARKER REPORT FORMAT :

- Material Utilization Report
- Weight based material utilization report for Knitted Apparel Marker Making
- Sophisticated Cut File Generation with M Codes
- Automatic Segment & Corner slowdown.
- Ai based NC File Error detection algorithm
- Ai based Automatic Start Point insertion
- Batch edit Start Point
- Automatic Cut Sequencing and Simulation.
- Automatic Air hole Creation and Sequencing for non-breathable fabric for better cut quality.
- **Additional functions of Marker Making** ERP and PLM Integration Output files directly from Marker Making Solution to digital fabric printers for on-demand manufacturing. Splice marks to markers to assist during the spreading process.

## SUPPORTED OPERATING SYSTEMS.

- Windows® 10 Professional and Enterprise. **64-bit only.**
- Microsoft Office, 64-bit version, required

## SYSTEM REQUIREMENTS

	Minimum	Recommended
Processor Speed	Intel® Core™ i-5 -3550S 3.7 GHz or higher	Intel Core 2400 3.1 GHz or higher
Hard Disk Capacity	120+ GB	240+ GB (SSD)
Memory	8+ GB	16+ GB
Ports	USB	USB
Service Packs	Current	Current





## ET INTELLIGENT NESTING MAY BE ADDED TO AN EXISTING ET CAD SOFTWARE



ET INTELLIGENTNEST deploys powerful matrix to analyze multiple nesting solutions and deliver highest material utilization marker. It enhances the marker making process and reduces labor costs. businesses of all sizes that are eager to reduce material costs by making more efficient sample, costing and production markers

Can Deploy **ET INTELLIGENTNEST** harnesses the power of multi-core processor & computing power to automatically generate markers that deliver better fabric utilisation.

INTELLIGENT NESTING Automatic Server Based Super Nesting



### WHY INTELLIGENT NESTING?



### FASTER MARKER MAKING

- Automatically generate production and costing markers.
- Creates markers automatically for Checks and Stripe marker.

### IMPROVE MATERIAL UTILIZATION WITH Ai

- Follows all material constraints to pieces such as rotation direction, tilt buffer to ensure quality and reduce mistakes.
- Groups pieces by size into sections.
- No human intervention required, & batch can run overnight.
- Predefining unusable areas of the material to avoid nesting on material defects.

### IMPROVE JOB MANAGEMENT

- Advance Queue management.
- Finished Marker View management for QC.
- Traffic light system for quick view of Queue status.
- Export job queue to CSV file for ERP Reporting.

### SEAMLESS INTEGRATION.

- Fully integrated with ETCAD
- Import data from most common apparel CAD packages to generate or re-nest markers.

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Memory	8+ GB	16+ GB
Ports	USB	USB
Service Packs	Current	Current



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