

## Mira Designer 3000

### Premium Carpet Design CAD System

Mira Designer 3000 is our “top of the line” carpet design and editing system. Designer 3000 not only has all of the advanced drawing tools and functions of Designer 2000, but also many powerful automated creation wizards. These are extremely effective in visualizing new design concepts in minutes, prior to finalizing details required for production designs. Simulation of double color selection, carving, and other techniques greatly assists in visualizing new design styles both internally, and with key customers.

Designer 3000 includes all of Mira’s CAD capabilities. Extend it into an integrated CAD/CAM system by adding selected weaving or tufting processing and simulation options. Or rely on its full compatibility with other Mira products for CAM processing. Optionally also link to Wilcom’s Carpet Design Warehouse to store and organise your designs.

#### Automatic Composition of Border Designs

Collate design elements; set parameters and let Mira’s Border Wizard do the rest.

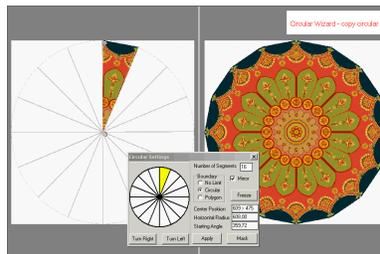


Motifs are automatically positioned and repeated within the borders regardless of the X and Y densities and the infill is automatically repeated and perfectly scaled to fit the design.

From one set of saved elements you can convert to a runner, rectangle, circular or oval design and rescale individual borders – in minutes.

#### Automatic composition of Circular and Polygonal Designs

Design or copy an area, set parameters and let Mira’s Circular Wizard do the rest.



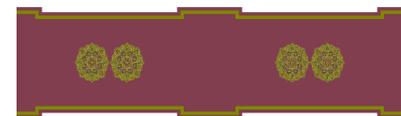
In real time view the result in the complete design

Use Circular Wizard to copy and convert existing designs to a new shape.



#### Automatic Composition of designs from sets of elements

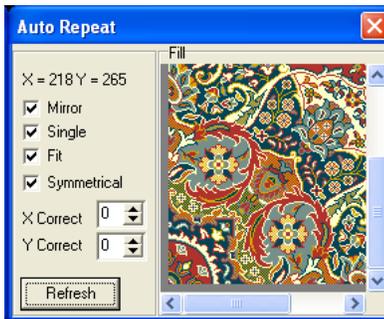
Use Mira’s Design Composer for fast and accurate design composition by combining multiple design elements into a unified design.



Design elements are perfectly aligned – no manipulation is necessary. Multiplication of elements enables quick resizing of existing designs.

### Automatic Composition of Designs with Repeated Motifs

Select a motif set the repeat parameters and Mira's Auto Repeat will automatically manipulate the motif to exactly fit the design area.



Resize the design and the number of pattern repeats is automatically adjusted and simultaneously scaled to fit the new design area.

### Automatic Composition of Designs from Pasted Motifs

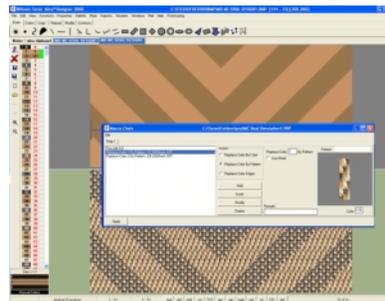
Compose designs from pasted design elements or motifs and automatically place those elements/ motifs at predetermined positions using Mira's Paste align feature.



### Automate Repetitive Editing Tasks

Automate repetitive color and pattern editing tasks and execute those tasks

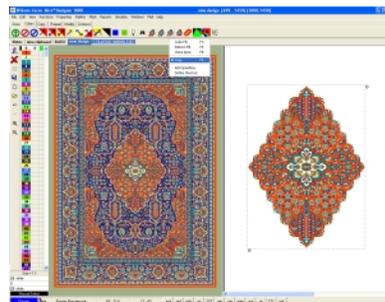
simultaneously with Mira's Macro Chain (CAD).



Batch replace color-by-color, color by pattern and replace color edges

### Magic Copy

With Mira's powerful Magic Copy – Flood fill in copy mode, just Point "n" Click on the area to be copied and all other areas are automatically protected

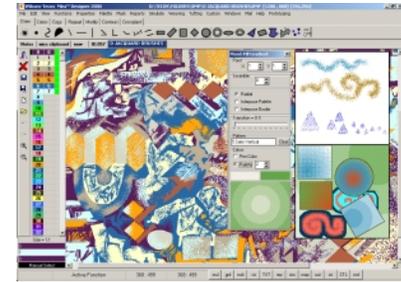


### Create Effects

Create effects using Mira's Smudge Tool to soften edges or create airbrush effects with Mira's brush tool.

Create brush patterned freehand effects and with Mira's Pattern Drop function set the drop area in the design, density and transformation options.

Mira's gradient fill and flood-fill gradient tools include a comprehensive range of advanced options.



Brushed Patterned & Gradient effects

### Color Features

Mira 2000 offers numerous options for color manipulation. You can assign permute, substitute, swap colors or areas of color, merge colors or merge to pen color.

You can add multiple palettes to color books, store palettes to new color books and substitute colors by Color Table.

Protect Colors in a design from any function being executed on those selected colors. You can use masks in combination with the Protect Color function.

Mira's Dither technique reduces the number of colors in an image by simulating shades of colors using a palette that is either selected or automatically calculated for the specified number of colors.

Mira's color clean-up tools include a Smooth Color function to eliminate errant colors from a design point in scanned designs and complex images, a Filter on Neighbours function to de-speckle a design of rogue clusters of pixels and a Find Color function to quickly find and replace individual pixels of selected colors.

## Replace Solid color by Pattern

To Replace Color by Pattern simply copy the required pattern to the Mira clipboard, enter the repeat properties and click a color in the design and the pattern is automatically repeated to replace the selected color.

## Design Repeats

A comprehensive library of ready to use Design Repeats is included in a user-friendly repeat tool that enables you to customize your on-screen design repeat and to develop your own repeat combinations.

## Masking

Use Mira's PowerPen™ to apply protection to one or more selected areas with the Mask function and to remove and substitute masked areas as required. Mask even or odd rows, columns or points.

## Contours

Mira's Automatic Contours function is complemented with tools to smooth jagged edges, shrink outline widths incrementally with each click, and to insert a separation between design colors to protect edges.

## Oversize designs

When design width exceeds machine width use Mira's Section design feature to automatically section the design into the required number of lanes and pixel width.

## Batch Convert Design Files

Convert multiple design files to another file format, color book or density or compress for archiving or back up, with Mira's Batch Conversion of Parameters function.

## Design Simulation of Woven Carpet

Simulate woven designs including 3D carved effects or double color selections and store in an effects table for future use.



Simulation and double color effects table

## Optimize Cone winding

Save yarn by minimizing the amount of yarn left over on cones with Mira's optional Yarn Consumption calculation module.

Define the number of winding classes and Mira will then calculate the length and weight of the required cone winding for each color and class and then provide a cone loading report for each class and frame and spindle number.

## Options for Mira Designer 3000

### Design Options

- Cross Plant for Axminster

Processing Options – Woven.

- Carpet Weave Creator
- Carpet Weave Calculator
- Batch Conversion of Parameters
- Batch Processing of design files to machine files. (In conjunction with processing).
- Macro Chain (CAM).
- Woven Text ID (in conjunction with Carpet Weave Calculator)
- Interfaces for Jacquards.

### Processing Options – Tufted

- Tuft AB Simulation & Processing
- Tuft SNB Simulation & Processing
- Tuft Multi Roll Simulation & Processing
- Tuft Scrolls / cut loop Simulation & Processing
- Beam Thread-Up report
- Machine Set-up report
- Interfaces for CMC, Cobble, Tuftco, A&P, Yamaguchi, Chattanooga, Tapistron, Thom, Tufted Weaver
- Yarn Consumption Reports

## Ask for More Information

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