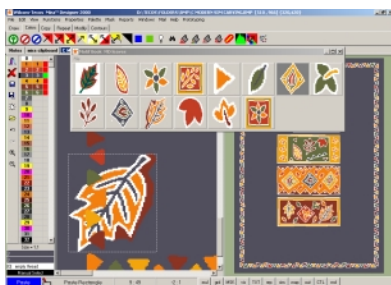


Mira Designer 2000

Advanced Carpet Design CAD System

Mira Designer 2000 is our “work horse” carpet design and editing system. It has a myriad of advanced drawing tools and functions, especially suited to complex carpet designs for weaving, tufting, and printing. It includes many productivity functions to empower designers to perform typical repetitive carpet design tasks more quickly and easily, leaving more time for creative work. Improve your design perspective by visualizing designs in room settings.

Extend Designer 2000 even further with your choice of automated CAD options such as Mira Circular Wizard, or upgrade to Designer 3000 if your needs grow. Add selected weaving or tufting CAM processing and simulation options, to make your own integrated CAD/CAM system. Designer 2000 is fully compatible with all Mira product models, including the Mira 3000 series. Optionally link to Wilcom’s Carpet Design Warehouse database system to store and organise your designs.



Multiple windows including Motif book and Masks.

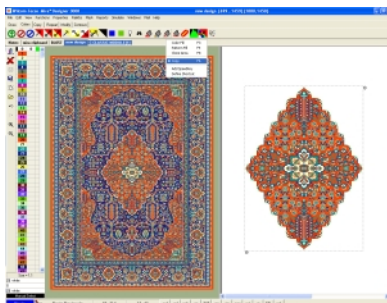
Design Productivity

Mira’s PowerPen™ with independent pen settings for each drawing tool provides direct access to a comprehensive range of drawing and filling functions without having to negotiate complex layers of menus. The set pen color function allows you to mix your own pen colors and add to existing color books.

Masking is infinitely flexible when you can mask and unmask using any of the drawing tools in fill or outline mode with

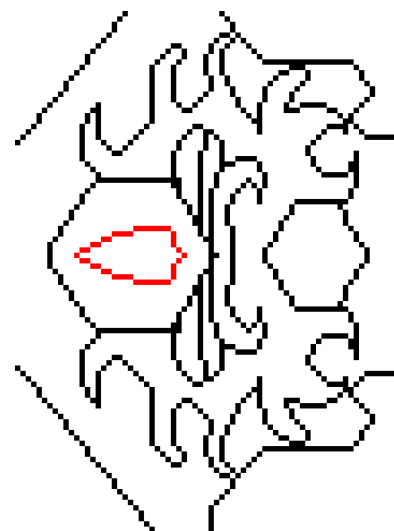
adjustable pen size and configuration.

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.



Magic copy

Mira’s Textile Toggle function allows you to draw with or without overlapping pixels and enables fast and accurate color fill even in “txt”, non-overlapping pixel mode.



“txt” mode – no overlapping pixels, but you can still fill a line with one pen movement

You can experiment with designs by using Mira’s Restore Area mode that allows you to draw on designs that have been saved in the memory and then return to the underlying image or you can duplicate designs without losing previous work.

With Mira’s Flood Fill Multiple you can fill two or more colors of

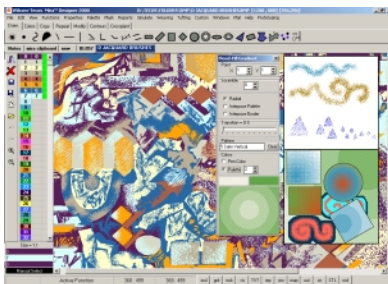
a design simultaneously by bounding those colors in a box and replacing those colors with a single pen color throughout the design.

Mira's Clone Area mode allows you to copy an area of a design to another location and rapidly proliferate a design element or pattern across a whole design.

Create Effects

Use Mira's Smudge tool to soften edges or the Brush tool to create Airbrush effects. 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



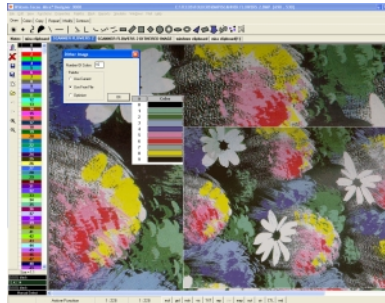
Brushed Patterned & Gradient effects

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.

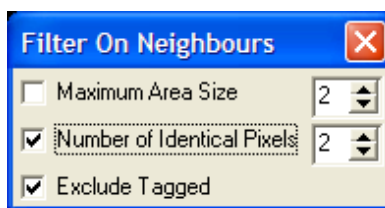
Protect Colors in a design from any function being executed on those selected colors. You can use masks in combination with the Protect Color function.



Reduce true color-to-color palette.

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 Neighbors 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.

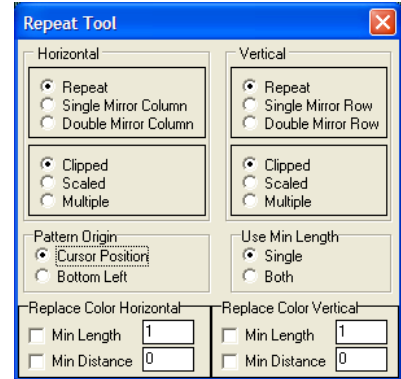


Filter out rogue clusters of pixels

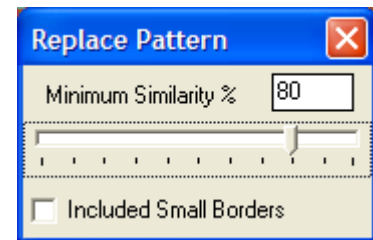
Replace Solid color by Pattern

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.



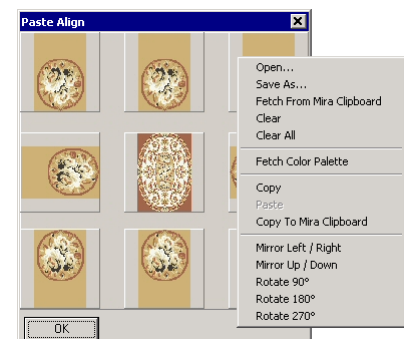
Replace Color by Pattern



Alternatively, replace pattern with color

Copy and Paste

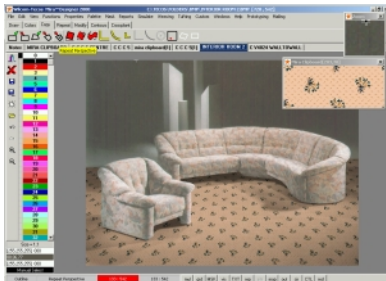
Mira's copy and paste tools include the capability to compose designs from pasted design elements or motifs and automatically place those elements / motifs at predetermined positions in the design using Mira's Paste Align feature.





Paste Align

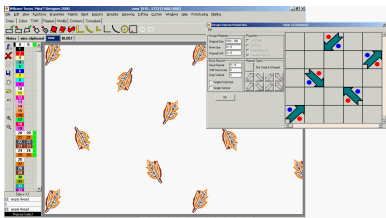
Convert 3D images into 2D format with Mira's Copy & Paste Perspective feature. Copy an image, such as a rug, from a brochure and stretch the selected image to your specified dimensions and copy to the Mira clipboard for pasting.



Copy and paste perspective

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.



Design Repeat

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.

Options

Design Options for Mira Designer 2000 include: –

- Woven design Simulation
- Border wizard
- Circular Wizard
- Design Composer
- Macro Chain (CAD)
- Batch conversion of parameter settings
- Cross plant
- Weaving Yarn Consumption Calculation.

Processing

- Carpet Weave Creator
- Carpet Weave Calculator
- Batch Processing of design files to machine files. (in conjunction with processing)
- Macro Chain (CAM)

- Woven Text ID
- Interfaces for Jacquards
- Tuft AB Simulation & Processing
- Tuft SNB Simulation & Processing
- Tuft Multi Roll Simulation & Processing
- Tuft Scrolls / cut loop Simulation & Processing
- Tufting Yarn Consumption Calculation (in conjunction with processing).
- Beam Thread-Up report
- Machine Set-up report
- Interfaces for CMC, Cobble, Tuftco, A&P, Yamaguchi, Chattanooga, Tapistron, Thom, Tufted Weaver

Ask for More Information

W WILCOM-TECOS®

Wilcom-Tecos Belgium

Tel: +32 (56) 25 92 41

Fax: +32 (56) 25 73 65

Email: sales@tecos.be

Web: www.wilcom-tecos.com

Wilcom America Inc

Tel: +1 877 657 7500

Fax: +1 770 557 7501

Email: sales@wilcomamerica.com

Wilcom International Pty Ltd

Tel: +61 2 9578-5100

Fax: +61 2 9578-5108

Email: wilcom@wilcom.com.au

Web: www.wilcom.com.au