

**Screen Printing Solutions for Schools = Fast, Easy and Low Cost.**



Screen print fabric, canvas, paper or wood in minutes using your designs.

Our A3 Thermal-Copier, pictured left, transfers your designs onto ScreenMaster Thermal Mesh in seconds, creating screens up to A3 size, imaged using a thermal process - no chemicals/ solvents, no hand cutting - fast, easy, low cost and mess free.

- Small to higher screen volumes
- Starter package keeps overall equipment small
- Screens of A5, A4 and A3 csize
- Create A3 designs on A2 size screens for opaque and 'off contact' printing
- New generation machine with full warranty

**Advanced features**

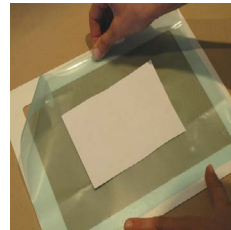
Our larger A3 Thermal-Copier has many additional features over the A4 model to help with cooling and the machines operation, including:

- Software controlled cooling with dual cooling fans
- Dual temperature sensors to prevent overheating
- Rotation control sensor

**Easy to use**



Image mesh



Mount to frame



Print your design

**Artwork to print in under 5 minutes**

Here's a quick comparison of screen making methods - Thermal systems have no screen cleaning or preparations, no chemicals, no solvents, no U.V. exposure and no hand cutting stencils or films. This eliminates almost all the screen production time, saving you valuable time and resources.

- A5 size from \$1.78, A4 from \$3.55, A3 from only \$6.37 & A3 on A2 Size only \$14.83
- View costs for all mesh types/ sizes - [www.nehoc.com.au/go/costs](http://www.nehoc.com.au/go/costs)

NEHOC Thermal Systems	Hand Cut Stencils	Chemical Emulsion
1. Create/ Design artwork	1. Create/ Design artwork	1. Clean/De-grease the screen
2. Expose against screen	2. Tape to cutting board	2. Dry the screen
3. Mount, tape and check	3. Register stencil on design	3. Fill coating trough
4. Print	4. Transfer design to stencil	4. Coat the screen
5. Cleaning: Wash off ink	5. Cut the design by hand	5. Create/ Design artwork
6. Cleaning: Dry	6. Adhere stencil to screen	6. Produce original onto film
✓ Print text, lines, photo's and solids	7. Mount, tape and check	7. Expose against screen
✓ Screens are reusable	8. Print	8. Wash out screen
✓ No chemicals used	9. Cleaning: Wash off ink	9. Vacuum/ Dry screen
✓ Work in normal light - No U.V.	10. Cleaning: Remove stencil	10. Mount, tape and check
✓ Low cost operation	11. Cleaning: De-grease screen	11. Print
✓ A5, A4 and A3 screen sizes	12. Cleaning: Dry	12. Cleaning: Wash off ink
✓ Professional results	✗ Bridges to centres & floating areas	13. Cleaning: Emulsion remover
✓ Print dark fabrics with opaque ink	✗ No halftones or graphics available	14. Cleaning: Rinse off remover
✓ Print 100% cotton & 100% polyester	✗ No direct computer artwork	15. Cleaning: Hi pressure water blast
✓ Clean up in water		16. Cleaning: De-grease screen
		17. Cleaning: Dry

Step by step guide see [www.vastex.com](http://www.vastex.com)



[www.nehoc.com.au/go/school](http://www.nehoc.com.au/go/school)

Visit the website to watch a video demonstration of the system in action, view the operation manual or see the available applications in the Training section of the site.

[www.nehoc.com.au](http://www.nehoc.com.au)

## Package Contents

**Package contents, including free supplies:**

1 x A3 Thermal-Copier + Power Cord  
 1 x A3 Hi-Resolution Thermal Carrier  
 1 x A4 Teflon 'Long Life' Thermal Carrier  
 1 x A4 Hi-Resolution Thermal Carrier  
 5 Metres x ScreenMaster 70Mesh 30cm  
 1 x Artwork Clean-Up Paper - Roll 30M  
 1 x Large Plastic Frame  
 1 x Small Metal Frame  
 1 x Large Metal Frame  
 1 x 240mm Long Life Squeegee  
 1 x 165ml Table Adhesive  
 Printing Lesson #1 for Standard Inks  
 Printing Lesson #2 for Opaque Inks  
 Screen Correction Manual  
 Operation Manual (Colour Paper Copy)  
 NEHOC Training CD-ROM  
 11 Month Warranty Upgrade Offer

**Imaging Method**

Thermal-Copier IR Imaging Technology.  
Electronic system using reusable lamp.

**Print Size**

A3 frame & squeegee supplied in kit/ package.  
Maximum available print size is 240mm x 370mm.



Max. A3 size available using equipment.  
Maximum available print size is 297mm x 410mm.



Maximum width of artwork is 300mm.

**Number of Screens**

Maximum number of screens supplied with the package, before additional materials must be purchased.

*Note: Totals listed are not a combined total, they list number available in any single configuration.*

**Package Colour**

Single colour equipment supplied with package.  
Multiple colour available using freehand registration or purchase of multi colour jig.

**Ink Type**

Supplied for use with standard ink only.  
Additional equipment required for Opaque inks.

**Package Specifications<sup>1</sup>**

Weight: 12.475Kg  
 Length: 365mm  
 Width: 390mm  
 Height: 225mm  
 Cbm: 13.93Kg

**Applications with supplied equipment**

Suitable for t-shirts/ fabrics using 100% cotton.  
No additional equipment required.



Suitable for t-shirts/ fabrics using 100% polyester.  
'Off contact' printing provides best results.



Suitable for wood/ paper applications.  
Note: 100Mesh is recommended for this surface.

**Machine Specifications**

Case: Powder-coated Metal  
 Machine Colour: Grey  
 Microprocessor controlled: Yes  
 Nominal voltage: 230V~ 50 Hz  
 Nominal current: 14.8 A  
 Power consumption (max.): 1700 W  
 Fuse: Pushmatic Circuit Breaker: 20 A  
 Height: 110 mm  
 Depth: 295 mm  
 Width: 520 mm  
 Weight: 8.4 kg  
 Max. width of artwork: 300mm  
 Max. width of carrier: 300mm  
 Temperature signals: LED Display  
 Cooling: Software Controlled Dual Fans  
 Manual Feed Switch: Yes  
 Safety: CE Certification: Yes  
 - Automatic overheat protection: Yes  
 - Dual temp. sensors: Yes  
 - Rotation control sensors: Yes  
 Power cord including grounding: Yes  
 Power cord type: 240V Australian 3 Pin  
 Manufacture Warranty: 1 Year<sup>2</sup>

