

GOCCOclub News

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Turn your Lamps, Masters & Screens back into \$\$

25th Annual RISO International Handmade Printed Work Competition

Commonly known as the RISO 'Card' Competition, we have supported this unique competition since its inception in 1977 and many Australians - from 4 years of age through to 75 years old have won prizes.

This is not just a competition for cards - You can enter ANY RISO print into the competition, one of last years Fine Work winners was a screen print.

Of importance is the value of **prizes, expressed in US dollars**, and at the current rate of exchange these are now worth considerably more for Australian participants. The following prizes are available for Australian winners:

Gold Prize	1 winner	US\$300	(\$575 Australian)
Silver Prize	2 winner	US\$200	(\$385 Australian)
Bronze Prize	2 winners	US\$100	(\$193 Australian)
Fine Work	several winners	US\$50	(\$96 Australian)

The supreme prize is the RISO Educational Foundation Award (one winner world wide) - Should an Australian win this award the prize is valued at over \$960!

We need your support to help us show RISO about PRINT GOCCO in Australia.
The best way to do this is by providing entries.

- ★ Entry to the competition is FREE and unlimited entries may be submitted.
- ★ Competition closes 15th January 2002.
- ★ Two Entry Forms are enclosed on page 7 - simply cut them out and attach to your entries. If you need more you can photocopy the page or contact the GOCCOclub. You can also visit the GOCCOclub web site where Entry forms and competition details (including past winners) are available.

2 New Colours available now - 12 to come!

See the Christmas Printing Pack (page 6) for details on how you can get both tubes at a once only special price for Christmas!



S-732 Orange (Daidai)



S-779 Lime Green (Moegi)

See page 3 for details of the new Ink colours coming soon from RISO!

GOOD NEWS - most colours still available

Australia has received one of the last shipments of inks for the discontinued colours. Following is a quick confirmation of the remaining colours - ORDER STOCKS NOW to avoid disappointment for your Christmas Cards.

Large Stock Still Available for:

- ✓ S-411 Pearl Blue
- ✓ S-412 Pearl Green
- ✓ S-413 Pearl Red
- ✓ S-456 Fluro Orange
- ✓ S-472 Fluro Green

Unchanged

- ✓ S-471 Fluro Pink
- ✓ S-297 Metallic Gold
- ✓ S-298 Metallic Silver
- ✓ S-299 Metallic Bronze
- ✓ All Standard Colours (S-492 Black -to S-498 White)
- ✓ All Water colours
- ✓ S-332a Process Ink Set
- ✓ All Stamp Inks for Cloth

GOCCOclub News is available by e-mail - visit www.nehoc.com.au/GOCCOclub to register for this FREE service.

Hints & Tips for Christmas

Getting a good photocopy for artwork

MOISTURE IN THE PAPER is the cause of almost ALL problems when making a screen.

Paper naturally absorbs moisture and as the paper is completely covered by the toner of the photocopier as it passes through, the moisture holds onto small specs of toner, which are then fused onto the paper - this is how 'spotting/ pin holes' appear.

❶ **Lighten the design.** Even the lightest possible setting from ANY photocopier has too much carbon to make a screen (that's why the Blue Filter is used). If using a copier for the first time - check the quality of the copy first (sneak a peek at some scraps in the bin or when someone else is making a copy) - if there are dark lines, etc. then remember to lighten the copy first.

❷ If the photocopier is yours, **keep your paper in a light box** (a small box/cupboard with a 20W light globe), or dry the paper with a hair dryer first before putting it into the copier

❸ You can remove the moisture from the paper by **making a 'blank' copy** then taking the copy out - turn it over to use the clean side - and put it back into the copier for use on your artwork. If there is a duplex option turn it on and use the 2nd copy.

Use the photocopy immediately (as it will be free of moisture) and remember to use the Blue Filter when making the screen.

Hint: If you can't use the copy immediately - dry the copy with a hair dryer before imaging your screen.

For best results with photocopies use the Artwork Clean-Up Procedure (ironing your artwork against Clean-Up paper) to remove the moisture, remove spotting and fuse the carbon to the paper (eliminates the problem with the middle of lines not printing).

Using a PHOTOGRAPH for artwork

The colours in photographs must be turned into greyscales. You can not create the artwork by hand, however the process is made simple by using a special Photo Dot Screen, that is laid under the photograph when the photocopy (artwork) is made.

How it's done:

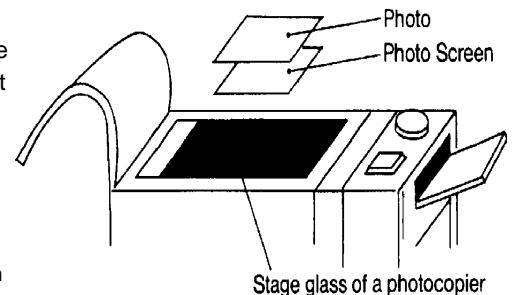
❶ Place your Photograph against the **RISO PG65 Photo Dot Screen** (code S-138).

Hint: Place some removable tape on the edges to hold them together

❷ Place the combined screen and photo into the photocopier.

Hint: Ensure the paper is DRY and free of any moisture as this will eliminate 'spotting' in the background, see above.

❸ Create your photocopy and then image your screen.



If you wish to print the photo in colour, use Process Colour Printing (CMYK) with the PG-11 and a computer for creation of artwork.

Details of this process were available in Issue 11, or on the Internet - <http://www.nehoc.com.au/GOCCOclub>

Using PRINT POWDER on your prints

Embossing/ Print Powder is a great way to enhance your design and is simple and easy to use. Print Powder will give your print a raised feel.

How easy it is to use Print Powder!



- ❶ Empty the Print Powder into a tray/ container before you start your printing
- ❷ Produce a PRINT GOCCO print as normal and 'scoop' the print into the container so as a small amount of powder is brought onto the surface of the paper/card
- ❸ Move the paper/card so that the powder slides, covering the printed area
- ❹ Tilt the paper/card so excess powder returns to the container
- ❺ Flick the BACK of the paper/card to remove any excess powder
- ❻ Heat the design to raise the powder and seal print.

How to heat the Print Powder

A high temperature is required to melt the Print Powder - around 140 degrees. You can use . .

★ A heat gun/ paint stripper is the best method as the heat is high and raising is very quick - around 2 seconds

★ An oven @180 degrees approx. 2 mins - *Time will vary upon print size and card thickness.*

★ On the back of an iron - no steam

DO NOT use a Hair Dryer to raise the powder (The powder is blown off the print & not enough heat is produced)

IMPORTANT: No matter what method you use - take care not to brown the paper through over raising/ excessive heat.

The handy four

Here are three things you should have on hand when ever you do any printing with PRINT GOCCO:

- ❶ Masking/ Sticky Tape - to remove paper fibres from your pad table so the card/ paper sticks to the pad (not the screen)
- ❷ Small Plastic Bag - to put rubbish, used ink tubes, wet test prints, etc. into, to keep your work area clean and free of clutter
- ❸ RISO OK Cleaner - removes ink from tables, hands, clothes, machines and also to clean your screen when finished!
- ❹ RISO Correction Fluid - If you prepared your artwork correctly you won't need it - but it may just save you if some pinholes appear

12 New Paper Ink Colours

RISO have extended the Traditional Colour range to include an additional 6 colours. Added to this, Pastel colours return with a further 6 colours.

What a difference 2 months makes - last issue we were faced with only 23 Paper Colours - soon we'll have a fantastic 35!!



6 New Traditional Ink Colours

S-5177
Yamabuki - Mustard Yellow

S-5178
Matsuba - Olive Green

S-5179
Honmurasaki - Purple

S-5345
Asagi - Slate Blue

S-5346
Kobai - Mauve

S-5347
Uguisu - Khaki Green

A more opaque ink than the Water Colour range, the pastel colours are set to make a welcome return to the colour range.



- S-5481 Pastel Pink**
- S-5482 Pastel Blue**
- S-5483 Pastel Green**
- S-5484 Pastel Yellow**
- S-5485 Pastel Brown**
- S-5486 Pastel Grey**

Printing Dark Fabrics with Hy-Cover

To print onto dark fabrics you **MUST** use a screen printing ink with more pigment than standard ink. This ink is called Hy-Cover or SuperCover ink.

With more pigment the ink is thicker - using this thicker ink through screens can sometimes cause problems depending upon your design and the printing conditions. The problem you get is the ink does not pass through the screen - parts of it staying in the screen - causing a faded/ patchy print.

You can easily overcome this problems with Hy-Cover inks by slightly elevating the screen off the fabric - similar to 'off contact' printing but not quite as high. Creating the elevation enables the ink to pass through the screen and stick to the fabric (not the strands of the screen) giving you a perfect print.

IMPORTANT: As you elevate the frame the edges of the screen can not be printed as they will not come in contact with the material below. The larger the design the more space you must allow around the outside edges for 'travel' up and down.

How it's done:

Make your RISO screen printing screen as normal and attach it to the frame you wish to print with. Now you need to slightly elevate the frame:

- ★ RISO Plastic Frames - Place 2 or 3 of the same frames under the screen and attach with sticky tape.
- ★ Metal & Other Frames - Simply place some small raisers (plastic or wood) under the edges of the frame and attach



As you are elevating the screen slightly it is important that the t-shirt be kept perfectly still whilst printing, so an adhesive is required. Use either Table Adhesive (HTAH) or the RISO Adhesive Boards (S-181). Avoid spray adhesives - they are easy to use but leave more residue on the inside of the t-shirt

Remember sometimes you will receive a better print going over the design twice (with less ink) than trying to print it in one go! Keep the angle of your squeegee upright at approx. 65-70 degrees and pass across the design twice.

Printing Decals with RISO

Create your own decals - single or multiple colour - using a simple 4 step process that saves time and materials, compared to traditional methods!

Materials Required

- ❶ KERA Onglaze Printing Ink - manufactured by Ceramic Glazes of Australia - available from your RISO supplier
- ❷ Decal paper, commonly available in sheets of 15x20 inches (Price approx. \$4.00 per sheet)
- ❸ Glaze/ Overprint lacquer to seal the decal (1Kg approx. \$23.55)
- ❹ RISO Printing Supplies - RISO ScreenMaster (or PRINT GOCCO Print Master), frame mount, ink knife & RISO/ PRINT GOCCO system to image the screen. The Squeegee must also be resistant to solvents (Covercoat clean-up) NEHOC Long Life squeegees are ideal for this procedure.

Step 1 - Making your Screen

- ❶ Create your screen printing screen using your RISO system in the normal procedure as outlined in your Operation Manual. As the decal paper is not very absorbent it is best to use a finer grade of mesh, such as ScreenMaster 135Mesh or 200Mesh (which is found in PRINT GOCCO Print Masters). 135Mesh can not be imaged with PRINT GOCCO Print Lamps, so if you have a PRINT GOCCO imaging system, use the standard B6 or B5 Print Masters.
- ❷ With your screen imaged, mount the loose ScreenMaster to a frame. If you are using a PRINT GOCCO Print Master (with cardboard frame) then attach to a plastic frame for added support, and you are ready for printing.

Step 2 - Screen Printing Your Decal

This process is best performed using the flat side of the Tile Jig (S-361) which considerably simplifies printing, as the screen is held for you and provides accurate registration. If you intend to print multiple colours, then a Tile Jig (or similar) is essential for the registration of all the colours. HINT: Use a little Table Adhesive (HTAH) on the board of the jig to help hold the decal paper flat and still during printing - this will help avoid blurs and miss-prints.

The actual printing process is the same as for all other screen printing, with the squeegee held at an angle of about 65 degrees and lightly pulled across the screen. *Remember - you do not need to push the ink through the screen, the squeegee will do all the work for you.*

You must use special inks for decal printing

- ★ Kera Onglaze Printing Ink for high firing - 1080°-1250° (previously called CGA Onglaze)
- ★ FastBright Printing Ink for low firing - 590°-830°

Most decals are applied to ceramics, however the ink is also suitable for models, etc. The FastBright ink is the best option as it is low firing and should be used if you do not know if the ceramic item is high or low fire material (cheap mugs etc. will probably be low firing)

IMPORTANT: If you use a high firing ink on a low firing item (e.g. cheap mug or plate) when the firing temperature is reached (1080°) the glaze underneath will crack and the item will be ruined. You CAN use a low firing ink on a high fired item without any problems

The inks are NOT standard ceramic brushing ink as they are specially formulated for screen printing process. Being water based the ink is easy to use and also makes cleaning up really fast and easy!

Printing multiple colours

To make a design with multiple colours you must separate the design into the individual colours and make a separate screen for each colour. Details of this process were in GOCCOclub News Issue 10 and are also available on the Internet - www.nehoc.com.au/GOCCOclub

Step 3 - Applying the Covercoat

- ❶ Once the Onglaze Ink is dry - about 1 hour - the clear covercoat **MUST** be applied over the design to seal the decal. Ensure the entire decal area is covered (or when you place it in the water to separate the ink may dissolve!)

The covercoat is an oil based medium and requires turpentine clean up of materials, which is not recommended for the RISO system. As the cover coat burns away during firing onto ceramics, it can be applied using a brush, however if the decal is not to be fired then a traditional silk screen can be used to screen over the decal.

- ❷ Once the covercoat is printed over the decal, leave to dry for 24 hours.

Step 4 - Applying the Decal

- ❶ Cut out the decal and then apply as per normal by soaking in a bowl of water until the decal (print & covercoat) separates from the paper.
- ❷ Remove the decal from the water and apply to your item. Remove all air bubbles (a squeegee can be used for this process).
- ❸ Allow to dry - normally 10 minutes.

Firing the decal onto ceramics

If you are placing the decal onto the item is to be fired, the temperature you require is of course dependant upon the ink you have used.

THERE IS NO ADDITIONAL GLAZE REQUIRED OVER THE DECAL PRIOR TO FIRING.

During the firing process the decal paper will burn away, leaving the Onglaze ink on top of the glazed surface.

Supplies of Decal Paper, Covercoat & Ceramic Inks

Check with your supplier as they may already have the Decal Paper, Covercoat Lacquer & Onglaze Ceramic Inks in stock. If you have any problems or would like further details on this, or other, ceramic applications - visit the ceramics section on the Internet - www.nehoc.com.au/info/ceramics or contact the GOCCOclub for assistance.