



# HOBARTS

the professionals' choice

## Sublimation systems & Enterprise Packs from Hobarts



Produce full colour personalised products for perfect Business Enterprise schemes

The process of dye sublimation is excellent for printing onto a wide range of materials. Our customers may be diverse but they share one common goal - income generation through the personalisation of clothing, promotional products & giftware.

Our systems and consumables give consistently superior results and with such a high return on investment it is clear to see how our products can enhance a business or School.

The sublimation process is quick and clean and can be used alongside other equipment such as routers, laser cutters and vacuum formers to produce stunning end products.

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## What is Dye Sublimation?

### Sublimation (sub-li-ma'shun)

The term Dye Sublimation can be simply defined by the sentence...

*'Solid dye particles being changed into gas using heat and pressure, which then bond with any Polymers present, and then change back into a solid'.*

In English, this equates to printing sublimation ink onto paper using a digital printer and applying heat and pressure using a heat press to sublimate the image to the chosen substrate.

The Dye Sublimation process is a molecular dyeing process, where the ink pigments bond with the Polymer of the item you are printing onto.

The printed items are incredibly durable, because the coloured pigment are printed below the surface of the item you are printing onto.

In the example of a textile the 'hand' feel of the textile is not affected, as with other textile decoration processes, such as laser transfer. You can boil wash the textile and iron over the printed area, without affecting the print.

In the example of resistant materials printed using Dye Sublimation, the printed items are durable, scratch resistant and can be worked post printing.

In general, Dye Sublimation printing is quicker, cleaner, more sustainable and more effective than traditional printing processes such as Silk Screen printing, and more closely mirrors the way that many industrial manufacturing companies are working today.

## Sublimation - A case study

### STEP 1

Import or design an image on your computer and print using your sublimation printer & paper.



### STEP 2

Select your garment from our wide range and position the graphic as required, securing in place with heat tape.



### STEP 3

Once the heat press has reached the pre-set temperature simply place the garment on the heat plate and press for 60 seconds.



**It's as simple as that!!**

## Creating a t-shirt



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## Complete sublimation systems

### SubliPack A - A4+ bulk ink feeder system

**£1,300.00**  
Ref: **SUBM.BULKA**

**Pack includes:**

- A4+ Clam Press - size 380x305mm
- Epson 1400 (A3+) printer & bulk ink feeder system *(complete with inks)*
- A4 Sublimation paper (400 sheets)
- Heat tape (2 rolls)
- Teflon sheets
- Sublimation samples pack (worth £90)



### SubliPack B - A3 bulk ink feeder system

**£1,400.00**  
Ref: **SUBM.BULKB**

**Pack includes:**

- A3 Clam Press - size 380x380mm
- Epson 1400 (A3+) printer & bulk ink feeder system *(complete with inks)*
- A4 Sublimation paper (400 sheets)
- Heat tape (2 rolls)
- Teflon sheets
- Sublimation samples pack (worth £90)



### SubliGelPack A - A4+ Gel system

**£1,865.00**  
Ref: **SUBM.GELA**

**Pack includes:**

- A4+ Swing away heat press - size 380x380mm
- Ricoh Gx700 printer (A4/A3) & Ricoh inks *(full set)*
- A4 Sublimation paper (200 sheets)
- A3 Sublimation paper (200 sheets)
- Heat tape (2 rolls)
- Teflon sheets
- Sublimation samples pack (worth £90)



### SubliGelPack B - A3+ Gel system

**£1,995.00**  
Ref: **SUBM.GELB**

**Pack includes:**

- A3+ Swing away heat press - size 380x500mm
- Ricoh Gx700 printer (A4/A3) & Ricoh inks *(full set)*
- A4 Sublimation paper (200 sheets)
- A3 Sublimation paper (200 sheets)
- Heat tape (2 rolls)
- Teflon sheets
- Sublimation samples pack (worth £90)





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## SubliPack vs SubliGelPack

### what's the difference?

As well as the cost, here are 2 substantial differences between our SubliPack and SubliGelPack and it is important that you find the right solution for your application. If you have any questions then please feel free to contact us on 0845 260 1300 and we will be happy to help.

### The printers



#### SubliPack - Bulk ink feeder systems

A bulk ink feeder replaces the normal ink cartridges in your printer, with a permanent set of ink cartridges, that are fed by ink feeding tubes from a user refillable ink chamber on the outside of the printer. This allows you to purchase sublimation ink, in the most cost efficient way, which is 125ml bottles. You can then refill your sublimation printer with inks, 'on the fly', therefore providing drastically improved print costs. When you run low on a particular colour, you just refill that specific colour by pouring ink into the relevant chamber. Unlike the Ricoh gel printers the bulk ink systems can get blocked if they are not used. This can be overcome by running a print head clean but it is recommended that if you will not be using the system frequently that you opt for the Ricoh gel printer.



#### SubliGelPack - Gel printing system

The latest innovation in Dye Sublimation is the new Ricoh Gel Printers that use the new SubliJet R' higher-viscosity gel ink formulation. This makes the Ricoh printer ideal for installations where the printer may sit unused for longer periods of time, for example between course work projects or in school holidays. The Ricoh printers utilise the latest print head technology. This makes them one of the fastest printers on the market. Environmentally-friendly, water-based inks and the four-colour ink configuration to easily achieve accurate, brilliant colour output, print after print.

## The right solution for your applications

### The presses

Our systems are provided with 2 different heat presses, the SubliPack is supplied with the Clam press which is easy to operate. In reality the clam heat presses are cheaper and you can have some difficulty when pressing onto thicker items due to the close at an angle so the pressure at the back of the press is a little more firm than at the front of the heat press.

#### Features - Clam press

- Digital electronic timer and temperature control
- Consistent heat control
- Clam action
- Pressing area: 28 x 38 or 38 x 38cm
- Overall dimensions: 80 x 30 x 35 or 86 x 40 x 35cm high
- Weight: 28 x 38 - 26kg or 38 x 38 - 29kg
- Not suitable for sublimation plaques



The Swing heat presses supplied with the SubliGelPack are definitely a safer option allowing you to move the heat element right out of the way, permitting easy access to the base plate and your printed items with no danger of burning yourself. There are a few cases where a swing press is definitely required and we recommend the swing press for all educational use.

#### Features - Swing away press

- Digital electronic timer and temperature control
- Sensitive and consistent heat control
- Interchangeable platen (custom sizes available)
- Swing head allowing easy access to work area
- Pressing area: 38 x 38cm or 38 x 50cm
- Overall dimensions: 80 x 50cm x 35cm high
- Weight: 38 x 38cm - 51kg 38 x 50cm - 56kg



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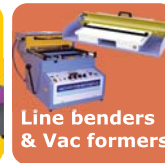
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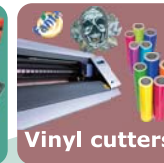
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