

Full colour digital printing on plastics printed with state-of-the-art digital technology using Digital Transfers by Diamond Photofoil Ltd.



MANUFACTURING A DIGITAL REVOLUTION

**DIAMOND
PHOTOFOIL**

Established since 1968 Diamond Photofoil Ltd has developed into a leading company in this specialist sector of printing on plastic components. At Diamond Photofoil we have seen over the years most of our customer's ordering patterns have changed and the run lengths have become shorter with increasingly quicker turn-around times required. With this in mind, we heavily invested in digital technology.

To achieve world class service to our customers we have developed **Photofoil™** digital printed transfers. Our five unit digital press features the ability to print standard four colour process with an opaque white toner. This machine will print up to 500m per hour with a maximum image width of 322mm. Digital heat release transfers can also incorporate photo realistic images and Pantone spot colours which can be applied to most thermo-plastic mouldings. Hot foiling application machines manufactured by us can be used for transferring on to flat or round items such as pens, ice buckets, waiter trays, plastic drink cups, cosmetic such as lipstick tubes and dispensers... this list is never ending! The digital technique offers a significantly more detailed image to be created and is targeting existing promotional goods and printing methods such as pad printing, silkscreen and hot foil printing.

APPLICATION MACHINES

Application machines manufactured by Diamond Photofoil include flat bed machines for print sizes as small as 20mm in diameter for pens and cosmetic items and up to 1m in length such as ice bucket decoration.

If you have any enquiries regarding the above mentioned products or would like further information about **Photofoil™** transfer printing please do not hesitate to contact us.



DIGITAL TRANSFERS

A Revolution in Print for Plastics

Photofoil™ digital transfers are revolutionising the printing of plastic products. Photo quality and full colour decoration is available from us with **NO** origination cost, very short lead times and all produced at high production speeds. Our customers gain the benefits of full colour high-resolution quality graphics without the risk or commitment to large initial costs.

A digital printed transfer is a process that we have been using for over 12 years. The process integrates digital printing technology into the product marking industry. Digital technology allows for variable data and personalisation to be integrated into heat transfer printing. Consecutive numbers, barcodes and variable data can be incorporated. Unlike screen print and gravure transfers, which uses solvent inks, the digital transfer is a dry toner system. We can reproduce high resolution photographic quality up to 1200dpi even matching Pantone Eurobridge spot colours.



Over the past 12 years we have significantly invested in developing transfer technology. Suitable for flat, round slightly curved articles, that can be applied to most thermoplastics such as P.S., A.B.S., S.A.N., acrylic, polycarbonate and polypropylene. **Photofoil™** digital and silkscreen transfers are applied by conventional hot foiling techniques, giving full colour graphics at high speed. The printed moulding can be handled, assembled, and packed immediately after printing making it ideal for by-the-press operation: e.g. mould, print, assemble, pack. With reduced cycle times and simpler than in-mould decoration.

SILKSCREEN TRANSFERS

The advantage with silkscreen is that you are able to produce metallics and match all of the spot colours using the Pantone Matching System. The company we use for matching our inks is a fully approved worldwide Pantone Licensee.

DIGITAL TRANSFER BENEFITS

- No origination cost
- Very short lead times
- Full high-res picture quality printing (1200 dpi)
- Highly competitive for short runs & long runs
- Fast low cost sampling / test marketing
- Ease and speed of application
- Apply at the press
- No drying
- Eco friendly
- FDA approved
- Reduce work in progress



DIAMOND PHOTOFOIL

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Manufacturers of...

- Digital Transfers
- Print Application Machines
- Silkscreen Transfers
- Specialist Product Print



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