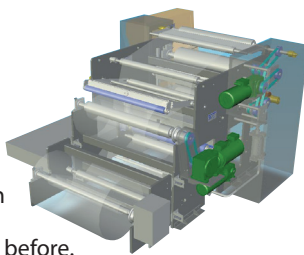


Design & Manufacture

We have a dedicated design team using state of the art 3D Design software (Solidworks). Using this software we can supply machine designs to clients in a 2D/3D 360 degree animated format to allow them to visualise the machine design concepts much more clearly than ever before.



This design program allows the client to have a good understanding and input at the specification stages in comparison to the normal schematic designs.

HSK Soft Wide Web Holographic Embossing Series

These systems will be designed and manufactured to emboss a range of substrates to the specifications as advised by client at a width as required.



Web Widths Available:

- HSK800S : Soft Embosser, Closed Frame, 800mm Web Width
- HSK1000S : Soft Embosser, Closed Frame, 1000mm Web Width
- HSK1200S : Soft Embosser, Closed Frame, 1200mm Web Width
- HSK1650S : Soft Embosser, Closed Frame, 1650mm Web Width

Custom Wide Web Embosser System 610mm - 1800mm Wide Web

The custom systems will be designed and manufactured to emboss a range of substrates to the specifications as advised by client at a width as required.



General Machine Features:

- Maximum Web Width: 1800mm⁺
- Minimum Web Width: 610mm
- Maximum Mechanical Machine Speed: 200m / minute
- Typical Line Running Speed: 90 - 150m / minute

Hard Wide Web Holographic Embossing Series

Many companies require the ability to use pre metallised embossing substrates as they have no access to reel to reel metallising or need a rapid processing time of material which using an outside source of metallising may lengthen the time taken to process the product.



Until now the commercial availability of wider web hard embossing systems has been fairly limited in the market place and we have been under constant pressure by demand to manufacture such a system.

- HSK800HE : Twin Hit Hard Embosser 800mm Web Width

Hard Narrow Web Embossing Series

After the successful introduction and sales of our wide web hard embossing system and due to client interest we have decided to introduce a narrow web (12 ins/ 305 mm emboss width) system of the same method into our range of processing systems for the holographic industry.



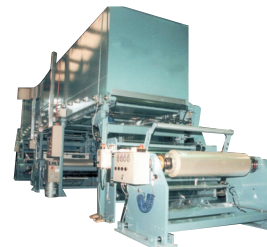
This system is built to the same high standards we use in our manufacturing be it a narrow web hard embosser or a custom 1.8 metre wide dual embossing system.

The system is a twin hit, panel to panel embossing machine that is the same semi-rotary method as our wide web hard embosser comprising of the following features and specification. The client has the option to use hardened steel or compliant impression rollers which are interchangeable between the types as and when required.

- HSK310H : Twin Hit Hard Embosser 310mm Web Width
- HSK310HE : Twin Hit Hard Embosser 310mm Web Width. High Specification Security Embosser

Custom Wide Web Self Adhesive Coater System

1 off single gravure head Line complete with drying tunnel and ancillary web handling equipment for the coating of solvent/water based lacquers onto OPP and PET films of 1350mm maximum width and from 9 to 50 micron thickness. Machine mechanical speed to be 300m/min maximum.



Electroforming Holographic Processing Series

This is an especially designed system for the control of the electroforming tank modules for automated processing of holograms from the photo resist plate stage to the final embossing shims and available in a choice of sizes and electroforming methods.



- S610SKEF : Standard system
 - RA1000SKEF : Reciprocal agitation system for large format flat shims
 - RD1000SKEF : Rotary drum system for large flat shims for embossing dies.
- These modules can be mixed to suit requirements and controlled from the central PC Control unit:
- PC2SKEF : Process Control Unit for 2 Tanks.
 - PC4SKEF : Process Control Unit for 4 Tanks.

Mechanical Recombination Series

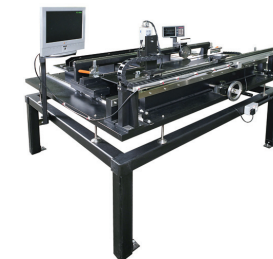
The principal use of these systems is to step and repeat individual hologram images or to step out patterns to make continuous or a varied design. The exceptional reproduction capabilities of the Eskay Recombiners make it ideal for security projects which demand no differential between images which normally occurs when the master hologram is originated in multiple up on the holographic plate.



- SK1100RC : 1000mm x 1000mm Impression Area
- SK450RC : 305mm x 457mm Impressions Area

Precision Shim Cutter

A range of precision guillotines designed and manufactured to your specific requirements. The guillotines being based around a generic design.



We offer a range of guillotines to produce the following cut shim sizes:

- SK800RC : Rotary Shim Cutter, 850mm x 850mm Maximum Cutting Area
- SK1200RC : Rotary Shim Cutter, 1250mm x 1250mm Maximum Cutting Area