

KASEMAKE VISION

Digital Video Registration

KASEMAKE Vision is a Digital Video Registration System for use on KM cutting and creasing tables. Its use converts your cutting table into a die-less, cut on demand, production system for pre-printed board. As a print registration system ensures accurate alignment of individual print passes on media, the Vision system accurately registers the position of pre-printed board on the cutting table ensuring perfect alignment between printed media and the digital key line used to cut the display from the sheet of board.

Accurate manual alignment of a job takes time. Digital registration is fast and accurate. Place the board in approximately the correct position on the table and the Vision System will adjust for placement and rotation in seconds, removing any errors and ensuring a high quality finish.



Image 2



Image 3

Image 1 illustrates the printed board complete with registration marks. Images 2 and 3 illustrate sheets that have been incorrectly placed on the table and then cut. These are "Out of register". Repeating these errors several times in a short run can prove costly and wasteful.

Image 4 shows how the job will look after positioning using KASEMAKE Vision. The job has been placed on the table and accurately registered. The display is exactly as required.



Image 1

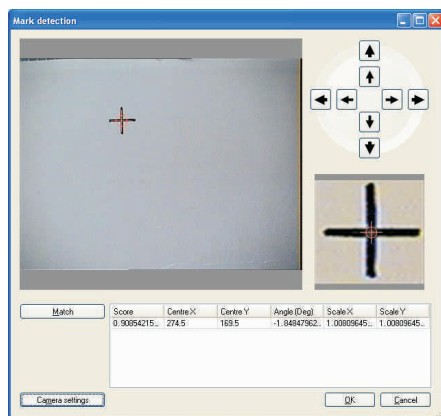


Image 4

KASE MAKE VISION

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The Vision system consists of a digital camera, mounted on the cutting head of a KM Cutting System. This is able to "See" registration marks on a printed sheet or board. The Vision software then uses the position of the register marks as "seen" and processes the cutter path to align with the marks. This has the effect of moving and rotating the cutter geometry to suit the position of the board on the table.

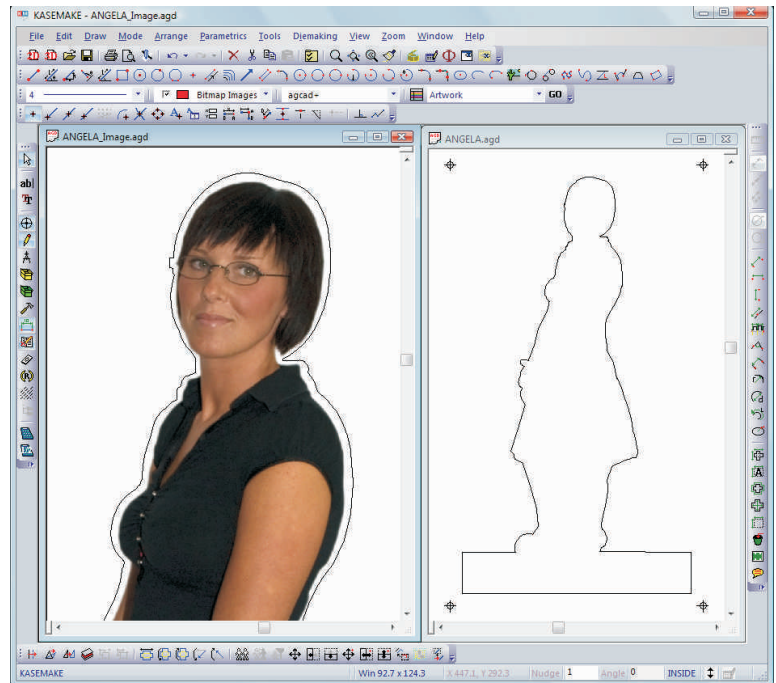


Registration capture



Various types of registration marks.

Using the system could not be easier. Open the required drawing, place the printed sheet onto the table in line with visual laser marks, and let KASEMAKE Vision do the rest.

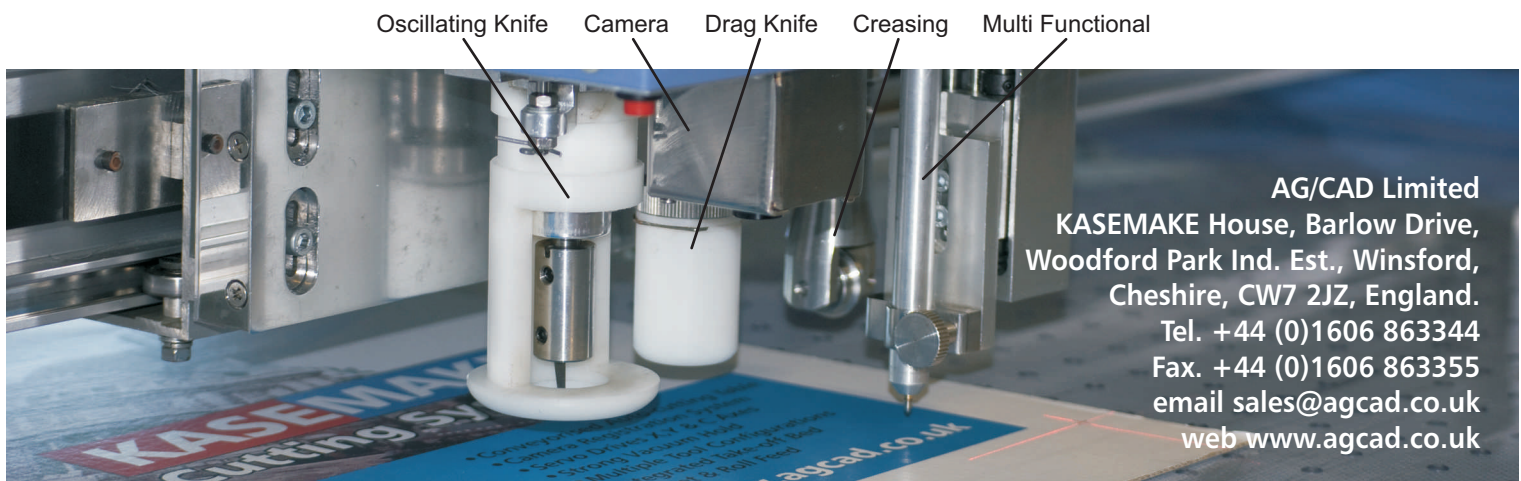


KASEMAKE design screen - Cutter guide overlaying artwork

All current KM cutting and creasing tables can be supplied with the KASEMAKE Vision system, with camera mounted to the cutting head as shown in the photograph below.

All Series 6 machines can be retro-fitted with the Vision system. This can be done on the customer's own site and will take about a day.

KASEMAKE Vision is the ideal solution to provide automated registration of printed materials at low cost, improving time taken to register an item and taking away errors, improving cut on demand quality, saving time and money.



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