



# GERBERCUT

VISION REGISTRATION SYSTEM FOR SABRE™ ROUTER



GerberCUT is an electronic processing option for the GERBER SABRE Router that imports files from standard vector-based design software and enables the router to contour rout rigid graphics. The SABRE accommodates graphics that have been printed on a large format inkjet printer such as the GERBER SOLARA™ UV2 or that have been screen-printed. The GerberCUT option is equipped with the GerberCUT vision camera that facilitates near-perfect registration when cutting printed materials, which is also known as digital die cutting.

# GerberCUT

The GerberCUT vision system automatically and accurately detects registration marks on the printed graphics while correcting the cut path if the print is distorted or skewed. With virtual grid technology, GerberCUT adjusts the position of the points along a vector path, so the result is optimized routing contours perfectly matching the printed graphics. Even large, complex, or highly distorted images are routed with very high precision.

**EVEN LARGE, COMPLEX, OR HIGHLY DISTORTED IMAGES ARE ROUTED WITH VERY HIGH PRECISION.**



## GerberCUT Digital Printing and Finishing Workflow



### 1 CUSTOMER



### 2 DESIGN



### 3 RIP

GerberCUT imports AI, PDF, DXF, and HPGL file types, so sign shops using GERBER OMEGA™ design software can export designs in any of these four file formats; however, any vector-based design software such as Adobe Illustrator® is also capable of outputting compatible file types.

Every job imported into GerberCUT requires cut paths and randomly placed registration marks, which are normally created or defined in the design software and can be as simple or as complex as desired. Normally, the cut and print data are created at the same time and separated into two files, one for the RIP and one for GerberCUT.

To digitally die cut, the registration marks must be printed with the graphic and be recognizable by the camera. A typical registration mark is a ¼" (6 mm) circle that contrasts with its background.

RIP software such as ONYX®, ErgoSoft, or Mistral™ integrated with i-script™ software, extracts the cutting data from a print file just before the job is printed. RIP software with i-script generates and places an i-script file in a folder for retrieval by the GerberCUT system.



### 4 PRINT

Designed as part of Gerber's Matched Technology System, GerberCUT works seamlessly with graphics printed by the GERBER SOLARA UV2 inkjet printer. SOLARA can print either as a roll-to-roll or as a flatbed and can accommodate a variety of materials up to 60" wide including rigid materials up to ½" thick.

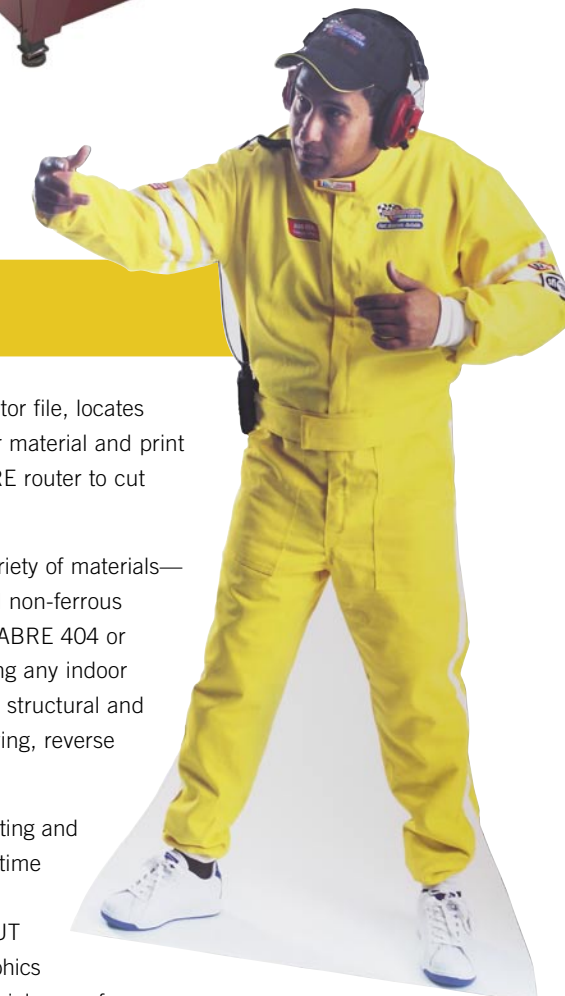


### 5 FINISH

The GerberCUT system imports the vector file, locates the registration marks, compensates for material and print distortions and then prepares the SABRE router to cut the job.

The SABRE can rout designs from a variety of materials—foams, plastics, woods, composites and non-ferrous metals. Available in two floor models, SABRE 404 or 408, Gerber routers are ideal for creating any indoor or outdoor sign, including architectural, structural and electrical, and signs that feature engraving, reverse carving, large lettering and logos.

With this simple and efficient digital printing and finishing workflow process, shops save time and material costs, as well as improve the quality of the final output. GerberCUT eliminates manual cutting of shaped graphics and edge finishing while reducing material scrap from mistakes made during the manual finishing process.



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 Mistral is a trademark of Spandex Ltd.  
 i-script is a trademark of MGE, Inc.



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