

Complete solution  
for the design,  
four-colour  
printing and  
cutting of rigid  
media

Developed in  
partnership with:

**Mimaki**

PRINT & CUT  
SOLUTION

# PRINT&CUT SOLUTION

SIMPLE, PRODUCTIVE, EFFICIENT

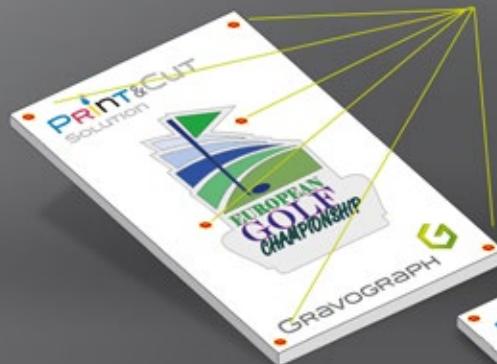
Developed in partnership with Mimaki®, the Print&Cut solution is the fruit of the combination of two technologies:

- a printing process...flat UV LED digital,
- a CO2 laser cutting process from the laser machines in our LS range.

The solution includes:

- Mimaki® flat UV LED printer,
- a Gravograph laser engraving machine
- the Gravostyle™ control software incorporating the Print&Cut functionality.

The location of the markers by the red pointer of our LS lasers gives Gravostyle™ precise information on the orientation of the cutting axes of the printed media.



The cutting of printed designs using the Print&Cut function opens up a wider range of applications: Promotional gifts, signage, personalised items and more besides...



Print&Cut is first and foremost a software innovation

“ On the basis of a theoretical design plot and 3 points taken from the printed real design, the software calculates the cutting most closely following the printed piece. ”

Gravostyle™ control software:

With a resolutely instructive interface, Gravostyle™ allows novices and the more experienced alike to make the very best of their engraving equipment.

The possibilities offered by this software are many-fold. Thanks to a modular toolbox, Gravostyle™ adapts to the needs of each individual user and provides a multitude of tailored solutions:

- industry: dials or label dies with automatic serialisation and import of a variables list (...)
- signage: cutting out of letters, Braille production (...)
- personalisation: engraving of photographs, dedications or decorative plaques (...)

Its openness and capacity for communication with graphics software make it a unique tool for controlling engraving and cutting lasers.



LASER SOLUTION  
LS100<sup>ex</sup>

Marking and cutting CO2 laser:

Increase your productivity with the Laser Solution LS100Ex and achieve superior marking quality at speeds of up to 2.54 m/s! Save precious time with its LCD control panel, ergonomic design and faster functions!

	LS100	LS100Ex	LS900(XP)	LS1000XP
Engraving area	460 x 305 mm	610 x 305 mm	610 x 610 mm	1220 x 610 mm
Power in Watts	35, 40, 60	35, 40, 60	35, 40, 60, 80	40, 60, 80, 100, 150
Max. thickness of the workpiece	145 mm	145 mm	250 mm	300 mm
Markable materials	Coated metals, plastic, wood, acrylic, glass, leather, rubber, anodised aluminium, ceramic, paper, cardboard			
Cuttable materials	Plastic, wood, acrylic, leather, rubber, paper and cardboard, foam			



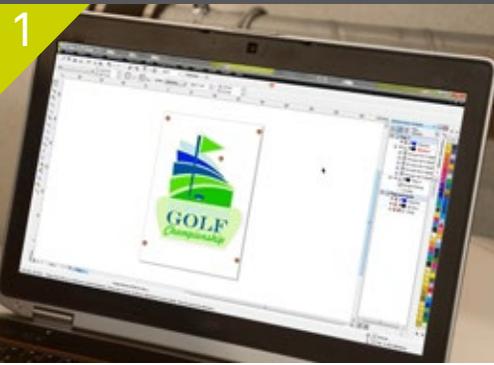
UJF-6042

Flat UV LED printing, 4 or 6 colour + White / Varnish / Primer

Multifunctional, the Mimaki UJF-6042 printer is distinctive for its spectacular, quasi-photographic reproduction quality, on a virtually infinite range of base materials and objects. With its larger printing surface, the UJF-6042 opens up enormous possibilities for users in the high-volume production market, a market that demands even higher quality.

		UJF-3042 FX	UJF-3042 HG	UJF-6042
Printing surface		A3 300 x 420 mm		A2 600 x 420 mm
	Resolution (up to)	1440 x 1200 dpi		1800 x 1800 dpi
Media format	Dimensions	364 x 463 mm		641 x 420 mm
	Weight	Less than 5 kg		Less than 7 kg
	Thickness	Up to 50 mm	Up to 150 mm	Up to 150 mm
Type of base materials		PVC, acrylic, ABS, aluminium, brass, glass etc.		

## MANUFACTURING STEPS



1. Create
2. Print
3. Locate
4. Cut

### Create your rigid media in 4 steps

Step 1: Create your image and add markers at the dimension limits of the shape; trace the cutting line.

Step 2: Print your image flat, on a rigid base material.

Step 3: Using Gravostyle™ and your Gravograph laser, localise the printed markers. This step makes it possible to account for deformation related to printing.

Step 4: Laser cut your printed workpiece. The cut shape corresponds exactly to the printed model.



### Adapted consumables

“ Gravograph offers a wide range of engraving materials for inside and outside, tested and approved for flat UV LED printing by Mimaki® machines. ”

# PRINT&CUT SOLUTION

## Companies



### Gravotech Group

The Gravotech Group is the worldwide leader in the design, manufacture and distribution of innovative solutions for engraving, marking and artistic modelling.

Its offer is built around four brands: Type 3, Propen, Technifor and Gravograph. These brands cover four key technologies (laser, mechanical engraving, scribing and micropercussion) supplemented by a wide range of consumables and software solutions.

Based in the Lyon region of France, Gravotech has over 900 employees in over 100 countries.

The Group boasts a vast international network: 29 subsidiaries and 300 distributors work alongside its 60,000 international customers, assisting them with their local or global issues.



### Mimaki

Mimaki is a leading manufacturer of large-format ink-jet printers and cutting machines for the signage/bill-posting, industrial and textile/clothing markets. Mimaki designs a comprehensive range of products for each of these markets: equipment, software and associated consumables such as blades and inks.

Mimaki stands out for its offer of innovative products, of superior quality and high reliability. These products are developed around its UV, solvent and aqueous ink-jet technologies. To cater for a huge range of commercial applications, Mimaki is pursuing research into on-demand digital printing.

Based in Nagano (Japan), Mimaki Engineering Co. Ltd. is headed by Hisayuki Kobayashi, its Chairman. The company is stock market listed.



Ideal for the personalisation of objects, signage and industry:

- badges
- signage
- trophies
- personalisation of objects
- displays and advertising stands
- industrial identification
- frontage printing
- synoptic
- fire safety plan



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