





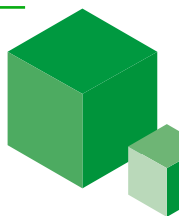


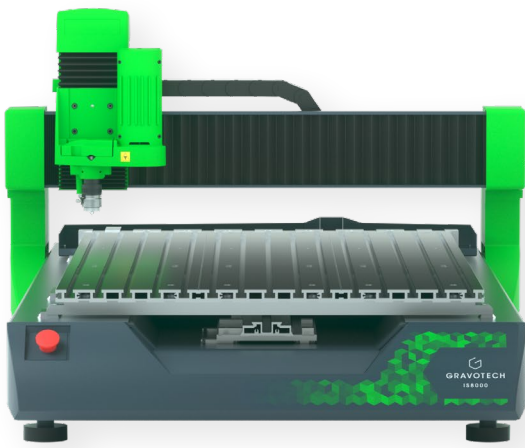
# SIGN MAKING



Comparing rotary and laser engraving technologies



	 <b>Rotary technology</b>	 <b>Laser technology</b>
<b>Getting started</b>		
<b>Ease of use</b>	● ● ● ○	● ● ●
<b>Level of training required</b>	Intermediate	Beginner
<b>Technical expertise</b>	Beginner	Beginner
<b>Engraving precision</b>	● ● ● ●	● ● ● ○
<b>Engraving capabilities</b>	● ● ● ●	● ● ● ○
	Engrave, mill and cut	Decorate, mark and cut
<b>Added value</b>	Personalization, customization & transformation with accuracy	Personalization, customization & transformation with speed
<b>Gravotech machines</b>		
<b>Machine size</b>	Small to large	Medium to large
<b>Batch work</b>		
<b>Speed</b>	● ● ● ○	● ● ●
<b>Engraving depth adjustment</b>	Manual	Automatic










	 <b>Rotary technology</b>	 <b>Laser technology</b>
<b>Gravotech machines</b>		
<b>Print &amp; Cut capabilities</b>	● ● ○	● ● ●
	Manual with red laser pointer	Manual with red laser pointer or automatic with camera option
<b>Investment on purchase</b>	€€€	€€€
<b>Materials compatibility</b>		
<b>Contrast of engraving materials</b>	● ● ●	● ● ●
	Contrast thanks to two-layer engraving materials or coloring & fill products	Natural contrast on most materials
<b>Ability to cut</b>	Plastic, aluminum, brass, precious metals, copper, wood and Gravotech engraving materials	Paper, textile, rubber, cork, wood, plastic (except ABS and PVC) and Gravotech engraving materials
<b>Max. engraving material dimensions</b> (machine work area)	1 220 x 610 mm (48 x 24 in)	1 220 x 610 mm (48 x 24 in)



\*Print & Cut function : precisely position a laser cut on a printed product without additional equipment.



	 <b>Rotary technology</b>	 <b>Laser technology</b>
<b>Daily use</b>		
	Low	Very low
<b>Cost of use</b>	tool replacement on average every 6 months	No consumables but weekly cleaning of the optics (+/- regularly depending on the applications and the use of the laser)
<b>Unattended operation</b>	No risk, the machine can work alone (even at night in hidden time)	Constant monitoring of the material reaction with the laser
<b>Noise</b>	Varies with material, but generally louder than a laser	Constant depending on material
<b>Residues</b>	Chips	Smoke and particles
<b>Recommended accessories</b>	 Regulating nose	 Laser cutting bed (honeycomb)
	 Chips collector	 Laser exhaust
<b>Additional accessories</b>	Jigs (or rotary device) Braille kit Gravogrip table™ Cutting tools (cutters) and diamonds	Jigs (rotary device) Laser nozzle Pin table
<b>Versatility of activity</b> (ability to diversify into other markets than signage)	● ● ●	● ● ○



Do you need additional information?

**Contact a Gravotech expert**

**Gravotech Group (Corporate Headquarters)**  
 466 Rue des Mercières  
 ZI Perica  
 69140 Rillieux-la-Pape  
 +33.4.78.55.85.50  
 info.france@gravotech.com

**GRAVOGRAPH SINGAPORE PTE LTD**  
 11 Woodlands Close,  
 #04-05 Woodlands 11, Singapore 737853  
 Tel: (+65) 6262 2945  
 info.sg@gravotech.com

