



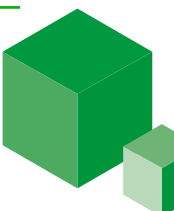


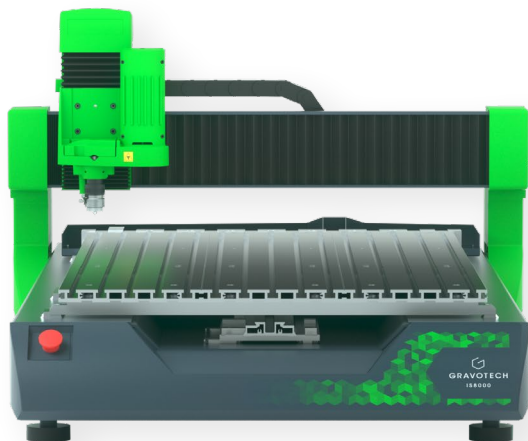




SIGN MAKING

Comparing rotary and laser engraving technologies

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





	 Rotary technology	 Laser technology
Gravotech machines		
Print & Cut capabilities	● ● ○	● ● ●
	Manual with red laser pointer	Manual with red laser pointer or automatic with camera option
Investment on purchase	€€€	€€€
Materials compatibility		
Contrast of engraving materials	● ● ●	● ● ●
	Contrast thanks to two-layer engraving materials or coloring & fill products	Natural contrast on most materials
Ability to cut	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
Max. engraving material dimensions (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.







Rotary technology



Laser technology

Daily use

	Low	Very low
Cost of use	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)
Unattended operation	No risk, the machine can work alone (even at night in hidden time)	Constant monitoring of the material reaction with the laser
Noise	Varies with material, but generally louder than a laser	Constant depending on material
Residues	Chips	Smoke and particles
Recommended accessories	 Regulating nose	 Laser cutting bed (honeycomb)
	 Chips collector	 Laser exhaust
Additional accessories	Jigs (or rotary device)	Jigs (rotary device)
	Braille kit Gravogrip table™ Cutting tools (cutters) and diamonds	Laser nozzle Pin table
Versatility of activity (ability to diversify into other markets than signage)	● ● ●	● ● ○



Do you need additional information?

Contact a Gravotech expert

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