GRAVOTECH
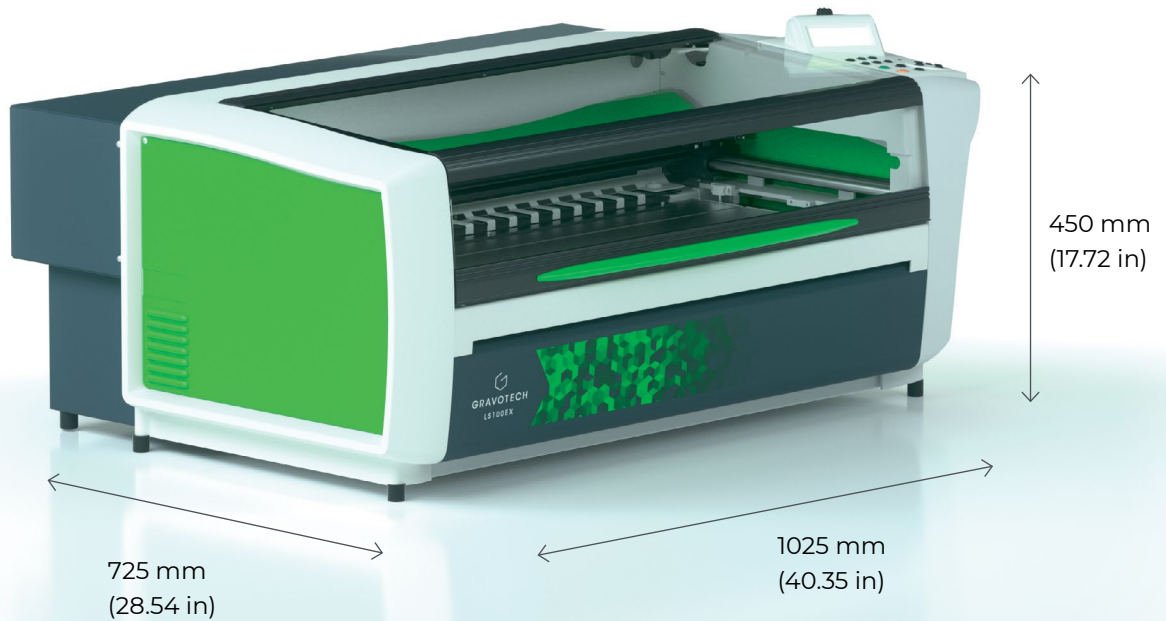
EXPRESSION OF THINGS

The LS100EX laser machine is a medium-sized machine for engraving and cutting. Its engraving area matches the size of ¼ sheet, making it the ideal sign making machine. The gantry laser technology applicable for small industrial series production.

450 mm
(17.72 in)

725 mm
(28.54 in)

1025 mm
(40.35 in)

GRAVOTECH
LS100EX

SIGN ENGRAVING AND CUTTING MACHINE

With a working area of 610 x 305 mm (24 x 12 in) exactly matching ¼ sheet size, the LS100EX is a signage engraving and cutting machine above all. Be it plastic, wood, metal, or glass, any signage material can be engraved and cut. Large range of consumables available with up to 2 color layers, for a contrasted and professional result.

INDUSTRIAL LASER FOR SERIES PRODUCTION

The large dimension combined with a gantry laser technology makes the LS100 EX the perfect laser machine for small production series. Load your items or parts to be engraved, and create your engraving job with the Gravostyle software. Several industrial functions are available, such as the Matrix mode or automatic date stamp. Let your laser engraver do the hard work!

2 LASER SOURCES AVAILABLE: CO2 AND FIBER

Laser performance mainly comes from matching the laser source to the material to engrave. A CO_2 source will be perfect for plastics and organic materials such as wood, paper, rubber etc. A Fiber laser will be more appropriate for metals. The LS100 EX is available with a CO_2 laser source or a Fiber laser source, to match all of your applications.

SEE OUR VIDEO

>

KEY FEATURES

LS100EX laser Energy version

The LS100EX also exists in a low-cost Energy configuration.

With a 25W larger laser beam, the LS100EX Energy is more efficient in cutting but slightly less precise in engraving.

Ideal for medium signs and identification plate cutting, acrylic and woodcutting in schools and Fablabs.
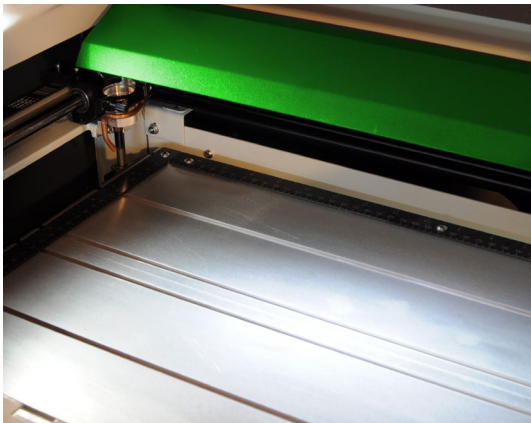
Print&Cut technology

Print & Cut is a Gravotech technology created in partnership with Mimaki, included in standard with all of our CO_2 lasers.

Start with printing the material of your choice, wood, plastic, acrylic etc.

Then spot the reference points and let the GravostyleTM software take care of the cutting!

Get the best out of your laser machine

The LS100EX etching machine perfectly fits in an industrial, commercial, or office environment.

The external accessibility and the front loading mechanism provide hassle-free loading and changing of parts.

The backlit marking table allows you to see your work clearly.

The operator can modify the job and fine-tune the settings directly on the embedded dashboard.

Exhaust and air assist are integrated and triggered automatically.

LEARN MORE ABOUT THE LS100EX ›

APPLICATIONS

Funeral plaques and headstones engraving

Engraving & laser cutting of custom ink stamps

Pet and dog tags engraving

POP displays and sign engraving

Express engraver

ID tags

MATERIAL CHARACTERISTICS

Technology	CO2	FIBER
Rubber	⬡◯⬍	
Paper, Cardboard, Cork	⬡⬍	
Leather	⬡◯⬍	
Glass, Crystal	⬡	
Steel, Stainless steel		⬡
Aluminum		⬡
Anodized Aluminum	⬡	⬡
Other metals		⬡
ABS	◯	⬡
Acrylics & Derived	◯⬍	⬡
Wood, varnished wood, MDF	⬡◯⬍	
Engraving materials	⬡◯⬍	⬡

Cutting = ⬍   Engraving/Deep marking = ◯   Marking/Etching = ⬡

MAKE YOUR SAMPLES 〉

SOFTWARE

GRAVOSTYLE™

Expert software made by engravers for engravers
Gravostyle™ is a professional engraving and cutting software that puts Gravotech engraving expertise in reach. Benefit from advanced possibilities and save time! Unique features available: Braille, Photostyle, Print & Cut, and more.

Complete engraving process mastered
Due to our history of making engraving machines, we have a full understanding of the engraving process. Gravostyle™ is fully compatible with all of our technologies. The software/machine interaction streamlines and improves your day-to-day engravings with functions like Point & Shoot.

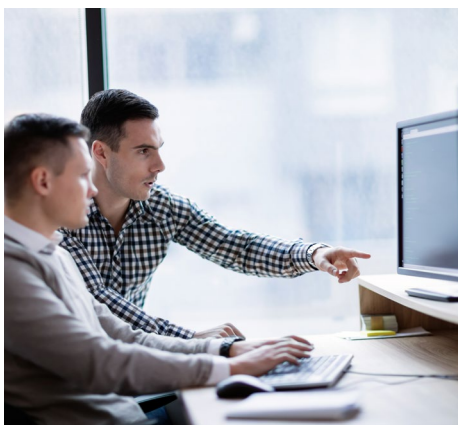### Gravostyle™: unique software for laser and rotary
Are you already using Gravostyle™ on your rotary machine, and expanding your business with a laser? No need to learn how to use another software, switch in one click on the Gravostyle™ interface to set-up laser engraving!

SERVICE & SUPPORT

Training
Our training modules are designed to optimize your use of our solutions and are available for our full range of machines, software and accessories.

Technical support
We bring you local support in your language in more than 50 countries, where we have established presence directly and with our distribution partners.

Maintenance
Thanks to experience gathered with Gravograph and Technifor and our global presence in more than 50 countries with 150 Gravotech technicians and our distributor partners, we can offer you a wide range of services.

TECHNICAL DATA

	LS100 EX	
Laser source	CO2	Fiber
Available power version	**CO2**: 25 W - 40 W - 60 W **CO2 Energy**: 25 W	20 W - 30 W
Available lenses	1.5'' - 2.0'' - 2.5'' - 3.5'' - 4.0''	2.0'' - 3.0'' - 4.0''
Max marking area (L x W)	610 x 305 mm (24 x 12 in)	
Max object height	140 mm (5.7 in)	114 mm (4.5 in)
Max object weight	15 kg (33 lbs)	
Dimensions (L x W x H)	1025 x 725 x 450 (40.35 x 28.54 x 17.72 in)	
Weight	70 kg (154.3 lbs)	66 kg (145.5 lbs)s
Z axis auto	140 mm (5.512 in)	114 mm (4.5 in)
Noise	≤ 72	≤ 60
Point & shoot	Yes	
Operating temperature	10 °C (50 °F) - 35 °C (95 °F)	
Connection to computer	USB	
Maximum speed	2540 mm/s (100.000 in/s)	up to 1500 mm (59.055 in)/s
Classification	CDRH: Class 2	
Beam diameter	0.1 mm (0,004 in) to 0.4mm (0,016 in)	

GRAVOTECH
E X P R E S S I O N   O F   T H I N G S

info.cn@gravotech.com
+86 21 24 08 68 88
www.en.gravotech.cn

GRAVOTECH (SHANGHAI) ENGRAVING EQUIPMENT CO.,LTD.
Building F, No. 1835 Duhui Road, Minhang District
201108, Shanghai, China

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