GRAVOTECH
by BRADY

LIGHTSPEED 300
LASER TABLE

ENGRAVE AT

LIGHTSPEED



Who we are



We are Gravotech, the only **expert in all marking technologies.** With decades of expertise, we support our customers worldwide. Our team of engineers, developers, and technicians design and manufacture innovative engraving, marking, and cutting machines, along with a vast range of materials and software.

Driven by continuous innovation and **certified to ISO 9001 standards,** our production sites uphold the highest quality standards and deliver long-term support you can trust.

1938
Invention of the first pantograph engraving machine.

1950
New Hermes enters Europe under the Gravograph brand.

1982
Gravograph develops its first computer-controlled engraving machine.

2001
Launch of the LS range, the first laser tables dedicated to engraving and cutting.

2021
Brand merger: Gravograph becomes Gravotech.

2024
Acquired by Brady, Gravotech becomes a Brady brand.

2026
Redevelopment of our laser table range and launch of the first model: The LightSpeed 300.

Why choose Gravotech?

80+
years of expertise

77
countries reached by our networks

30
products sold per hour

200k
machines installed worldwide

The right products and support



Engraving materials & consumables

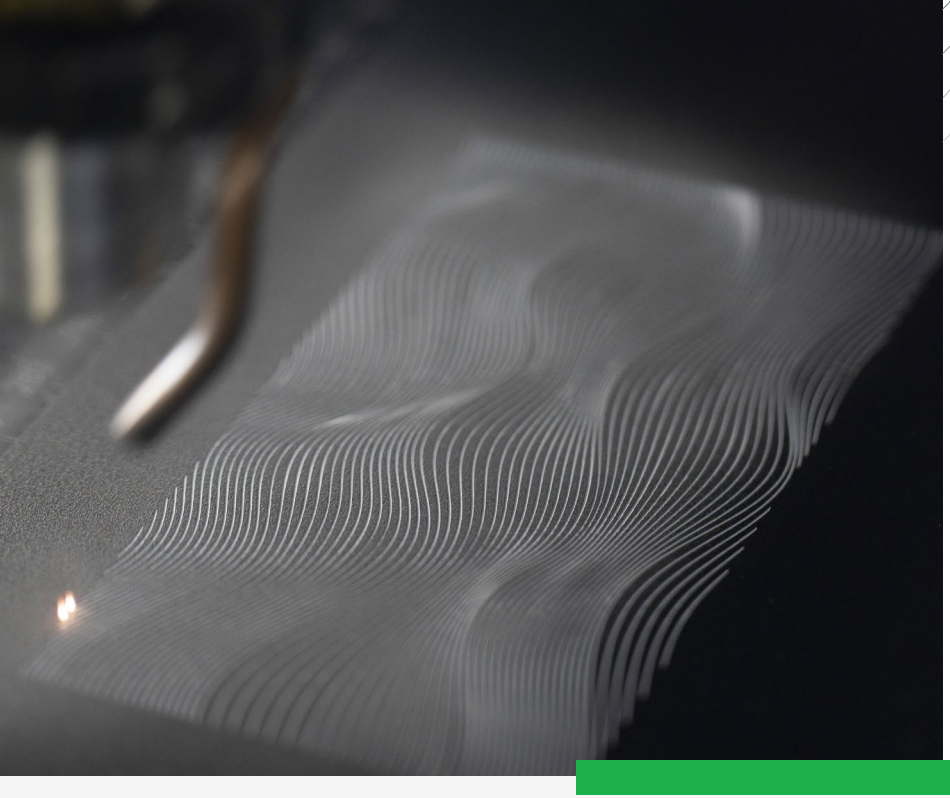


Software



Service & maintenance

Learn more



LIGHTSPEED:
A choice for the future

LightSpeed marks a new milestone in the evolution of Gravotech laser tables. Completely redesigned, this range combines **industrial design, advanced technologies, and an optimised user experience** to offer a modern, high-performance, and scalable solution. More than just a machine, LightSpeed redefines the professional laser table.

> **With LightSpeed, we wanted to go beyond simple technical evolution: we wanted to create a machine that adapts to today's uses and anticipates those of tomorrow.**
>
> *Arthur NAULIN, Laser Tables Product Manager*

Productivity

Everything has been designed to **reduce your engraving and cutting cycles while maximizing your production.** Designed to combine speed and efficiency, our LightSpeed range offers productivity tools: an interchangeable table system or intelligent file management on the touchscreen.

Precision & quality

Advanced control technologies guarantee exceptional engraving and cutting quality. **Path correction** and **laser power stability** ensure **consistent results** and **perfect conformity** with the on-screen preview.

Ease of use

The LightSpeed range has been designed to make laser engraving accessible and intuitive. With its touchscreen, **visual positioning tools** and smart electronics, you can start engraving and cutting quickly without unnecessary steps or complex configuration whether you are **a beginner or an experienced user.**

Applications

More applications

Every customer request becomes a new potential LightSpeed application

Whatever your market or material, LightSpeed is ready. For signage creation, object customization, prototyping, or industrial parts production, its precision, speed, and flexibility open the door to new applications and productivity gains. Discover how LightSpeed becomes a key asset for your business.

SIGNAGE



Professional plates



Badges & office signs



Visual communication

PERSONALIZATION



Gifts



Cutlery



Wine & spirits

CREATIVE



Counter displays



Decorations, models & craft



Trophy making

IDENTIFICATION



Equipment nameplates



Industrial signage



Electrical labelling

One technology, endless material possibilities

		CO2		
		Cutting	Deep engraving	Marking / Etching
PLASTICS	Gravotech laser engraving materials	✓	✓	✓
	PMMA, acrylic	✓	✓	✓
	Laminates	✓	✓	
	Foam	✓	✓	
	ABS			✓
	Other plastics	✓	✓	
ORGANICS	Wood	✓	✓	✓
	Rubber	✓	✓	
	Glass, crystal			✓
	Paper, cardboard, cork	✓		✓
	Leather	✓	✓	✓
	Stone, granite, marble		✓	✓
	Textiles	✓		✓
	Ceramic			✓
	Coated and anodized metals			✓

LIGHTSPEED 300

#SIGNAGE #PERSONALIZATION
#CREATIVE #IDENTIFICATION

The LightSpeed 300 sets new standards for speed, precision, and ease of use, outperforming every machine in its category.

Discover the dedicated webpage

HIGH SPEED

An unmatched speed of **3.5 m/s** for maximum productivity

AIRFLOW CONTROL

A controlled airflow extraction for clean results and a safe environment

G-SCREEN

A large touchscreen for an ergonomic interface at your fingertips



Source
CO2

Marking area
610 x 305 mm (24 x 12")

Compatible materials
Plastics, wood, glass, and other organic materials and painted metals

Performance

Up to **10 times faster than other laser engraving machines,** the LightSpeed 300 delivers best-in-class engraving quality. This ultra-fast, precise, and versatile laser machine helps you boost output and exceed your clients' expectations.

Ease of use

From initial setup to final engraving, the LightSpeed 300 is engineered to **simplify your workflow** with its innovative ergonomics and advanced user interface. It is designed to make engraving more intuitive, faster, and easier than any other traditional laser machine.

Adaptability

Safe and quiet, the LightSpeed 300 professional laser engraving machine will **easily fit into your environment.** Ranging from industrial workshops and office spaces to retail locations accessible to the public.

Performance and quality...

Ceramicore®

CERAMICORE® SOURCE

A high-quality laser at its source

JOB MANAGER

A seamless job management, directly on the screen

AUTOMATIC AIR ASSIST

An intelligent air management for improved quality

...in one easy and convenient machine

G-EYE CAMERA

An instant 360° vision for flawless positioning

QUICK SWITCH TABLE SYSTEM

Totally versatile with easy table changes

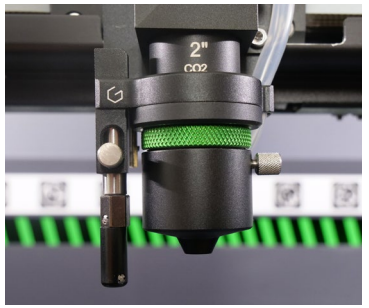
DRAWER CONFIGURATION

A sliding table for simplified handling

Find out more

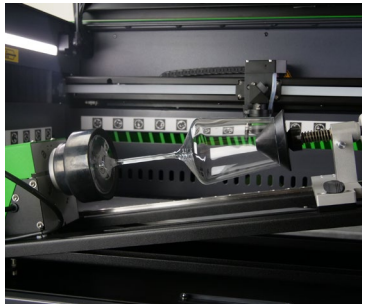
Discover all the features, options, and accessories on our website!

Accessories



CLICK LENS

Each Click Lens can be attached **without tools**, reducing the risk of installation errors or misalignment and making cleaning easier.



ROTARY DEVICE

The ability to engrave cylindrical objects up to 160 mm diameter and 390 mm length. **Easily personalize/ customize most cylindrical items** including coffee cups, glassware, perfume bottles and even magnum champagne bottles.



EXHAUST SYSTEM

To ensure a safe and odor-free working environment, the exhaust **collects and filters fumes and particles** generated during the engraving and cutting process.

WANT TO LEARN MORE ABOUT ACCESSORIES?

Get the brochure!

Features

Explore LightSpeed features

JOYSTICK

Full axis control at your fingertips

GRAVOSTYLE™

Expert software designed to suit the beginner or professional engraver

PRINT & CUT

An automatic alignment of cutouts for printed media

CLICK LENS

A tool-free magnetic lens attachment, guaranteed error-free

DUST PROTECT

An effective protection for the longevity of your machine

POWER STABILITY

A stable laser power for guaranteed quality engraving

CONSTANT VECTOR RESOLUTION

Ensures regular engraving across all lines

POINT & SHOOT

A standard tool for optimal positioning

AUTOFOCUS

An automatic adjustment for effortless calibration

NETWORK CONNECTION

A simple installation, whatever your environment

CLASS 1 READY

Top-level laser safety

SHUTTER PROTECTION

A mechanical shield for total security

SILENT TECHNOLOGY

Controlled silence for a quieter performance

FULL ACCESS DOOR

Allowing full accessibility and maximum visibility

EASY INTEGRATION EXHAUST

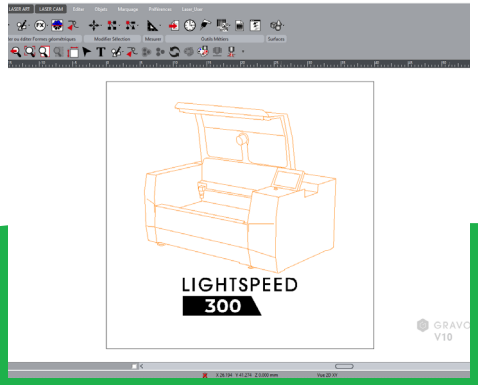
A simple space-saving design

Software

See details

GRAVOSTYLE

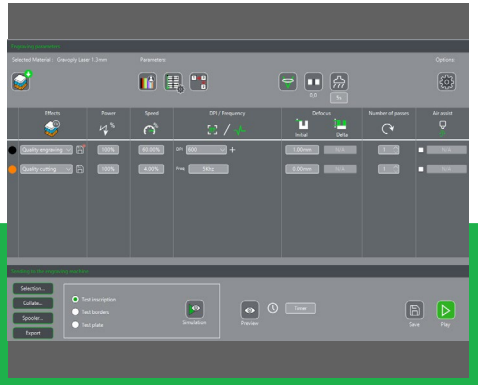
Gravostyle™ 10: Faster, easier to use and even more powerful than ever. The software that matches the LightSpeed.



1

CREATE

Text, logos, shapes, barcodes, or even photographs: prepare all your engraving or cutting files with ease in Gravostyle™ thanks to its advanced tools.



2

SET

Adjust all the settings required for your application: power, speed, focus, or execution order. Gravostyle™ guides you through preparing your job in every detail before sending it to the machine.



3

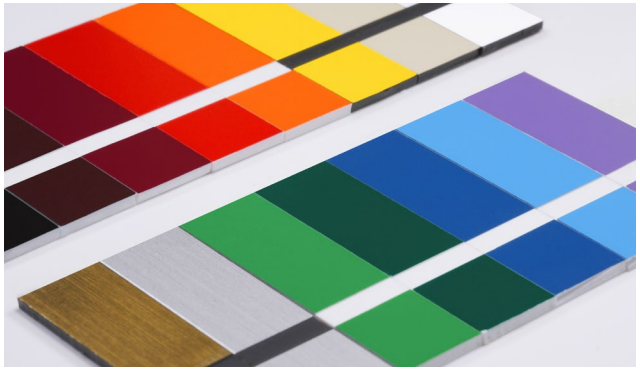
ENGRAVE

Once your file is ready, send it to the machine as a conventional printer. Position your material, press Start, and your LightSpeed machine will take care of the rest quickly and accurately.

Do you use other design software?
LightSpeed is also compatible with third-party graphics software such as CorelDRAW® or Adobe Illustrator®. Design your files in your usual tool, then send them to the machine via the Gravotech driver, just as you would with an office printer.

The Gravotech experience, beyond the machine

Discover our entire ranges in our online catalogue



ENGRAVING MATERIALS

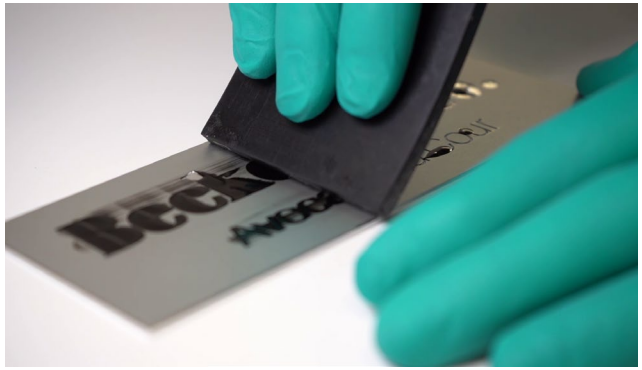
With over **60 years of expertise**, Gravotech is the creator of the internationally renowned **Gravoply™ two-layer engraving material**. Today, we offer plastics, acrylics, metals, and wood for engraving and cutting. Every material in our catalogue is tested and approved to ensure optimal results and professional durability. Gravostyle™ has a library of laser parameters for Gravotech materials.



ENGRAVABLES

If you are new to laser engraving, start with our **ready-to-engrave products** which are ideal for getting started and finding potential customers:

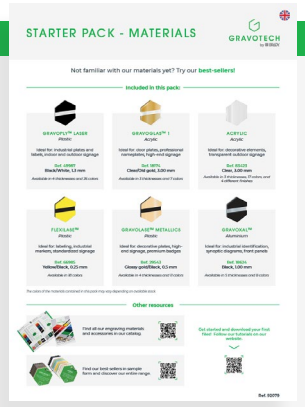
- **Medals:** made of aluminum, brass, or steel
- **Door plates:** for businesses and hotels
- **Electrical plates:** strips and labels for electrical identification in industry.



ENGRAVING SUPPLIES

To complement your new laser machine, discover our range of **engraving accessories**, essential for all engravers:

- **Coloring products:** to enhance your engravings
- **Cleaning supplies:** to deliver premium results and keep your workspace spotless
- **Adhesives:** for permanent or temporary fixing
- **Fasteners:** for signage, industrial identification, or simple employee badges.



STARTER PACK

To help you discover our materials, each of our LightSpeed machines comes with a **Starter Pack** containing our **best sellers**. You can then test them yourself and discover their potential!

Technical overview

TECHNICAL DATA	
Power	30 - 40 - 50 - 60 W
Marking area	610 x 305 mm (24 x 12'')
Speed	**CO2:** 3.5 m/s
Acceleration	4 g
Max. object weight	15 kg
Laser safety classification	Class 1 / Class 2
Operating modes	**Raster:** filling **Vector:** tracing and cutting **Combined:** filling and tracing at the same time
Machine dimensions (L x W x H)	Up to 1067 x 730 x 490 mm
Power consumption rate	Up to 600 W
Machine weight	From 90 kg
Max. object size (L x W x H)	619 x 332 x 150 mm Max. height without table: 210 mm
Automatic focus	Precision mechanical sensor
Connection to computer	USB, Ethernet, Wi-Fi
Software	Gravostyle™ (delivered with the machine) + compatible with CorelDRAW®, Adobe Illustrator®, or any graphic software
G-Screen	7" capacitive touchscreen
G-Eye camera	20MP wide-angle camera

FEATURES	
High speed	✓
Airflow control	✓
Job manager	✓
Dust protect	✓
Electronic card	✓
Reinforced structure	✓
Ceramicore® source	✓
Automatic air assist	✓
Power stability	✓
Constant vector resolution	✓
Click Lens	✓
Joystick	✓
Point & Shoot	✓
Quick Switch table system	✓
Print & Cut	✓
Class 4 configuration	✓
Drawer configuration	✓
Full access door	✓
Silent technology	✓
Doorway optimized	✓
Shutter protection	✓
Lock key	✓
Class 1 ready	✓

Support & services



TRAINING

Standard or customized training sessions, at your place or online.



TECHNICAL SUPPORT

Dedicated Gravotech experts to support and guide you.



MAINTENANCE

Dedicated programme for each machine: cleaning, adjustments, safety checks, and more.

Supported by the French government and European Union

The development of LightSpeed machines is part of an innovation process aimed at positioning Gravotech as a leader in the laser engraving solutions of tomorrow.

This project was funded by the French government as part of the France 2030 initiative. Funded by the European Union, Next Generation EU, as part of the France Relance plan.

They trust us

AJT Ashton Jig & Tool Co. Ltd. · ALBERT WEBER · BMW · CARI-JANE HAKES · DASSAULT SYSTEMES · Egile DRIVEN BY PRECISION · FAMILIA JOYERA · GIVENCHY · LANCÔME PARIS · LUXENTER · PARCESA · PENNINE TOOLS AEROSPACE LTD · P. Graham DUNN EST. 1976 · RÉMY MARTIN · TSK

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