

Gantry Laser Presets

BULLETIN N°: APPSLAB3_16003_GANTRYLASERPRESETS

Diffusion: Gravotech Group Subsidiaries

Date: 17/10/2016

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Subject:

Give presets on all gantry lasers for Gravotech materials.

Result:

Presets are available for all gantry laser machines, all powers.



Apps Lab
solution

Materials tested:

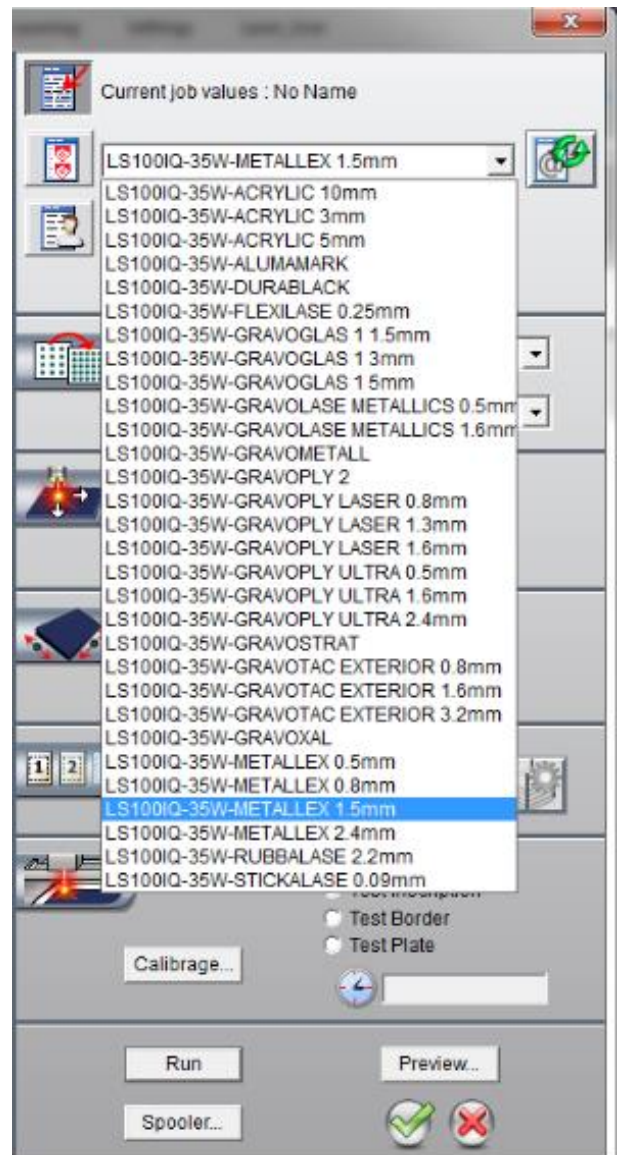
We have tested GVT plastics and metallics materials:

Plastics

-  Gravoply™ Laser
-  Gravoply™ Ultra
-  Gravoply™ 2
-  Gravoglas™ 1
-  Acrylic
-  Gravotac™ Exterior
-  Flexilase™
-  Stickalase™
-  Gravostrat™
-  Rubbalase™

Metallics

-  Gravalase™ Metallics
-  Metallex™
-  Gravoxal™
-  Gravometal™
-  AlumaMark™
-  DuraBlack™



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Documents available in Support Center :

-  .ini for GS8 in mm
-  .pdf with some comments in mm
-  .ini for GS8 in inch
-  .pdf with some comments in inch

This document provides a base of engraving parameters to be used on Gravograph laserable materials. They are indicative values that can be subject to modification, that are recommended by professional engravers and have been tested.










The purpose of this document is to help each engraver get an idea as to how to engrave on Gravograph laserable materials. The parameters are sorted by product range. Every material can have up to 3 different types of engraving process:

- Vector, for lightweight linear tracing
- Raster, for heavy marking
- Cutting

Some materials may not be engraved with a certain type of engraving process: if the specific type is not in the grid of the material, then it's most likely that it we do not recommend this engraving method on the indicated material.

Nb : in case of unexpected behavior during the engraving process, please refer to the machine's User Manual for troubleshooting.

LS1000 XP 150W:

Plastics Laser									
	Thickness	Power	Speed	Passes	Focus	Air	Type	Dpi	Comments
Gravoply™ Laser	0,8 mm	30	100	1	0	No	Raster	500	
	0,8 mm	5	100	1	0	No	Vector	500	
	0,8 mm	20	40	1	0	Yes	Vect.Cut.	500	
	1,3 mm	30	100	1	0	No	Raster	500	
	1,3 mm	15	100	1	0	No	Vector	500	
	1,3 mm	35	40	1	0	Yes	Vect.Cut.	500	
	1,6 mm	30	100	1	0	No	Raster	500	
	1,6 mm	15	100	1	0	No	Vector	500	
	1,6 mm	46	40	1	0	Yes	Vect.Cut.	500	
Gravoply™ Ultra	0,5 mm	25	100	1	0	No	Raster	500	
	0,5 mm	5	100	1	0	No	Vector	500	
	0,5 mm	90	100	1	0	Yes	Vect.Cut.	500	
	1,6 mm	25	100	1	0	No	Raster	500	
	1,6 mm	20	100	1	0	No	Vector	500	
	1,6 mm	50	40	1	0	Yes	Vect.Cut.	500	
	2,4 mm	25	100	1	0	No	Raster	500	
	2,4 mm	20	100	1	0	No	Vector	500	
	2,4 mm	70	40	1	0	Yes	Vect.Cut.	500	
Gravoply™ 2	No	30	100	1	0	No	Raster	500	
	No	10	100	1	0	No	Vector	500	
	1,5 mm	30	100	1	0	No	Raster	500	Engraving below
	1,5 mm	7	100	1	0	No	Vector	500	Engraving below
	1,5 mm	30	10	1	0	Yes	Cutting	500	Leave a protection film

For more information, write to samples.marking@gravotech.com

If you have some good tips and tricks to share, don't hesitate to contact us to be in the next bulletin

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