

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.

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### **Energy 8 25W:**

Plastics Laser									
	Thickness	Power	Speed	Passes	Focus	Air	Type	Dpi	Comments
Gravoply™ Laser	0,8 mm	10	20	1	0	No	Raster	500	
	0,8 mm	6	20	1	0	No	Vector	500	
	0,8 mm	100	25	1	0	Yes	Vect.Cut.	500	
	1,3 mm	10	20	1	0	No	Raster	500	
	1,3 mm	6	20	1	0	No	Vector	500	
	1,3 mm	100	16	1	0	Yes	Vect.Cut.	500	
	1,6 mm	10	20	1	0	No	Raster	500	
	1,6 mm	6	20	1	0	No	Vector	500	
Gravoply™ Ultra	0,5 mm	10	20	1	0	No	Raster	500	
	0,5 mm	6	20	1	0	No	Vector	500	
	0,5 mm	80	40	1	0	Yes	Vect.Cut.	500	
	1,6 mm	10	20	1	0	No	Raster	500	
	1,6 mm	6	20	1	0	No	Vector	500	
	1,6 mm	100	13	1	0	Yes	Vect.Cut.	500	
	2,4 mm	10	20	1	0	No	Raster	500	
	2,4 mm	6	20	1	0	No	Vector	500	
Gravoply™ 2	No	10	20	1	0	No	Raster	500	
	No	6	20	1	0	No	Vector	500	
Gravoglas™ 1	1,5 mm	12	20	1	0	No	Raster	500	Engraving below
	1,5 mm	15	20	1	0	No	Vector	500	Engraving below
	1,5 mm	85	10	1	0	Yes	Cutting	500	Leave a protection film
	3 mm	12	20	1	0	No	Raster	500	Engraving below
	3 mm	15	20	1	0	No	Vector	500	Engraving below
	3 mm	100	5	1	0	Yes	Cutting	500	Leave a protection film
	5 mm	12	20	1	0	No	Raster	500	Engraving below
	5 mm	15	20	1	0	No	Vector	500	Engraving below
Acrylic	3 mm	10	20	1	0	No	Raster	500	
	3 mm	5	20	1	0	No	Vector	500	
	3 mm	100	5	1	0	Yes	Cutting	500	Pin Table recommended
	5 mm	10	20	1	0	No	Raster	500	
	5 mm	5	20	1	0	No	Vector	500	
	5 mm	100	2,5	1	0	Yes	Cutting	500	Pin Table recommended
	10 mm	10	20	1	0	No	Raster	500	
	10 mm	5	20	1	0	No	Vector	500	
Gravotac™ Exterior	0,8 mm	100	25	1	0	Yes	Vect.Cut.	500	
	1,6 mm	100	10	1	0	Yes	Vect.Cut.	500	
	3,2 mm	100	3	1	0	Yes	Vect.Cut.	500	
Flexilase™	0,25 mm	10	20	1	0	No	Raster	500	Gravogrip use recommended for fixing
	0,25 mm	6	20	1	0	No	Vector	500	Gravogrip use recommended for fixing
	0,25 mm	50	35	1	0	Yes	Vect.Cut.	500	Gravogrip use recommended for fixing
Stickalase™	0,09 mm			1	0	No	Raster	500	Impossible
	0,09 mm			1	0	No	Vector	500	Impossible
	0,09 mm			1	0	Yes	Vect.Cut.	500	Impossible
Gravostrat™	No	50	20	1	0	No	Raster	500	
	No	30	20	1	0	No	Vector	500	
Rubbalase™	2,2 mm	100	10	1	0	No	Raster	500	
	2,2 mm	100	7	1	0	No	Vector	500	
	2,2 mm			1	0	Yes	Vect.Cut.	500	Impossible
	2,2 mm			1	0	Yes	Vect.Pnt.	500	Impossible

Metallics Laser									
	Thickness	Power	Speed	Passes	Focus	Air	Type	Dpi	Comments
Gravolase™ Metallics	0,5 mm	10	20	1	0	No	Raster	500	
	0,5 mm	6	20	1	0	No	Vector	500	
	0,5 mm	80	40	1	0	Yes	Vect. Cut.	500	
	1,6 mm	10	20	1	0	No	Raster	500	
	1,6 mm	6	20	1	0	No	Vector	500	
	1,6 mm	100	13	1	0	Yes	Vect. Cut.	500	
Metallex™	0,5 mm	10	20	1	0	No	Raster	500	
	0,5 mm	5	20	1	0	No	Vector	500	
	0,5 mm			1	0	Yes	Vect. Cut.	500	Impossible
	0,8 mm	10	20	1	0	No	Raster	500	
	0,8 mm	5	20	1	0	No	Vector	500	
	0,8 mm			1	0	Yes	Vect. Cut.	500	Impossible
	1,6 mm	10	20	1	0	No	Raster	500	
	1,6 mm	5	20	1	0	No	Vector	500	
	1,6 mm			1	0	Yes	Vect. Cut.	500	Impossible
	2,4 mm	10	20	1	0	No	Raster	500	
	2,4 mm	5	20	1	0	No	Vector	500	
	2,4 mm			1	0	Yes	Vect. Cut.	500	Impossible
Gravoxal™	No	100	20	1	0	No	Raster	500	
	No	15	20	1	0	No	vector	500	
Gravometall™	No	40	20	1	0	No	Raster	500	
	No	10	20	1	0	No	vector	500	
AlumaMark™	No	22	20	1	0	No	Raster	500	
	No	10	20	1	0	No	vector	500	
DuraBlack™	No	50	20	1	0	No	Raster	500	
	No	10	20	1	0	No	vector	500	

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.

**LS100 IQ 35W:**

Plastics Laser									
	Thickness	Power	Speed	Passes	Focus	Air	Type	Dpi	Comments
Gravoply™ Laser	0,8 mm	35	100	1	0	No	Raster	500	
	0,8 mm	10	100	1	0	No	Vector	500	
	0,8 mm	30	35	1	0	Yes	Vect.Cut.	500	
	1,3 mm	35	100	1	0	No	Raster	500	
	1,3 mm	10	100	1	0	No	Vector	500	
	1,3 mm	80	28	1	0	Yes	Vect.Cut.	500	
	1,6 mm	35	100	1	0	No	Raster	500	
	1,6 mm	10	100	1	0	No	Vector	500	
Gravoply™ Ultra	0,5 mm	35	100	1	0	No	Raster	500	
	0,5 mm	10	100	1	0	No	Vector	500	
	0,5 mm	25	40	1	0	Yes	Vect.Cut.	500	
	1,6 mm	35	100	1	0	No	Raster	500	
	1,6 mm	10	100	1	0	No	Vector	500	
	1,6 mm	100	25	1	0	Yes	Vect.Cut.	500	
	2,4 mm	35	100	1	0	No	Raster	500	
	2,4 mm	10	100	1	0	No	Vector	500	
Gravoply™ 2	No	35	100	1	0	No	Raster	500	
	No	10	100	1	0	No	Vector	500	
Gravoglas™ 1	1,5 mm	90	60	1	0	No	Raster	500	Engraving below
	1,5 mm	20	40	1	0	No	Vector	500	Engraving below
	1,5 mm	90	18	1	0	Yes	Cutting	500	Leave a protection film
	3 mm	90	60	1	0	No	Raster	500	Engraving below
	3 mm	20	40	1	0	No	Vector	500	Engraving below
	3 mm	100	10	1	0	Yes	Cutting	500	Leave a protection film
	5 mm	90	60	1	0	No	Raster	500	Engraving below
	5 mm	20	40	1	0	No	Vector	500	Engraving below
Acrylic	3 mm	30	100	1	0	No	Raster	500	
	3 mm	10	100	1	0	No	Vector	500	
	3 mm	100	5	1	0	Yes	Cutting	500	Pin Table recommended
	5 mm	30	100	1	0	No	Raster	500	
	5 mm	10	100	1	0	No	Vector	500	
	5 mm	100	3	1	0	Yes	Cutting	500	Pin Table recommended
	10 mm	30	100	1	0	No	Raster	500	
	10 mm	10	100	1	0	No	Vector	500	
Gravotac™ Exterior	0,8 mm	30	35	1	0	Yes	Vect.Cut.	500	
	1,6 mm	100	25	1	0	Yes	Vect.Cut.	500	
	3,2 mm	100	8	1	0	Yes	Vect.Cut.	500	
Flexilase™	0,25 mm	30	100	1	0	No	Raster	500	Gravogrip use recommended for fixing
	0,25 mm	10	100	1	0	No	Vector	500	Gravogrip use recommended for fixing
	0,25 mm	30	35	1	0	Yes	Vect.Cut.	500	Gravogrip use recommended for fixing
Stickalase™	0,09 mm	26	100	1	0	No	Raster	500	Gravogrip use recommended for fixing
	0,09 mm	2	35	1	0	No	Vector	500	Gravogrip use recommended for fixing
	0,09 mm	5	35	1	0	Yes	Vect.Cut.	500	Gravogrip use recommended for fixing
Gravostrat™	No	30	30	1	0	No	Raster	500	
	No	30	30	1	0	No	Vector	500	
Rubbalase™	2,2 mm	100	17	1	0	No	Raster	500	
	2,2 mm			1	0	No	Vector	500	Unnecessary
	2,2 mm	100	8	1	0	Yes	Vect.Cut.	500	
	2,2 mm	100	8	1	0	Yes	Vect.Pnt.	500	

Metallics Laser									
	Thickness	Power	Speed	Passes	Focus	Air	Type	Dpi	Comments
Gravolase™ Metallics	0,5 mm	35	100	1	0	No	Raster	500	
	0,5 mm	9	100	1	0	No	Vector	500	
	0,5 mm	30	35	1	0	Yes	Vect. Cut.	500	
	1,6 mm	35	100	1	0	No	Raster	500	
	1,6 mm	9	100	1	0	No	Vector	500	
	1,6 mm	100	25	1	0	Yes	Vect. Cut.	500	
Metallex™	0,5 mm	40	100	1	0	No	Raster	500	
	0,5 mm	9	100	1	0	No	Vector	500	
	0,5 mm			1	0	Yes	Vect. Cut.	500	Impossible
	0,8 mm	40	100	1	0	No	Raster	500	
	0,8 mm	9	100	1	0	No	Vector	500	
	0,8 mm			1	0	Yes	Vect. Cut.	500	Impossible
	1,6 mm	40	100	1	0	No	Raster	500	
	1,6 mm	9	100	1	0	No	Vector	500	
	1,6 mm			1	0	Yes	Vect. Cut.	500	Impossible
	2,4 mm	40	100	1	0	No	Raster	500	
	2,4 mm	9	100	1	0	No	Vector	500	
	2,4 mm			1	0	Yes	Vect. Cut.	500	Impossible
Gravoxal™	No	100	50	1	0	No	Raster	500	
	No	30	100	1	0	No	vector	500	
Gravometall™	No	30	100	1	0	No	Raster	500	
	No	20	50	1	0	No	vector	500	
AlumaMark™	No	30	50	1	0	No	Raster	500	
	No	10	50	1	0	No	vector	500	
DuraBlack™	No	30	50	1	0	No	Raster	500	
	No	16	50	1	0	No	vector	500	

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**LS100 Ex 35W:**

Plastics Laser									
	Thickness	Power	Speed	Passes	Focus	Air	Type	Dpi	Comments
Gravoply™ Laser	0,8 mm	35	100	1	0	No	Raster	500	
	0,8 mm	10	100	1	0	No	Vector	500	
	0,8 mm	30	35	1	0	Yes	Vect.Cut.	500	
	1,3 mm	35	100	1	0	No	Raster	500	
	1,3 mm	10	100	1	0	No	Vector	500	
	1,3 mm	80	28	1	0	Yes	Vect.Cut.	500	
	1,6 mm	35	100	1	0	No	Raster	500	
	1,6 mm	10	100	1	0	No	Vector	500	
Gravoply™ Ultra	0,5 mm	35	100	1	0	No	Raster	500	
	0,5 mm	10	100	1	0	No	Vector	500	
	0,5 mm	25	40	1	0	Yes	Vect.Cut.	500	
	1,6 mm	35	100	1	0	No	Raster	500	
	1,6 mm	10	100	1	0	No	Vector	500	
	1,6 mm	100	25	1	0	Yes	Vect.Cut.	500	
	2,4 mm	35	100	1	0	No	Raster	500	
	2,4 mm	10	100	1	0	No	Vector	500	
Gravoply™ 2	No	35	100	1	0	No	Raster	500	
	No	10	100	1	0	No	Vector	500	
Gravoglas™ 1	1,5 mm	90	60	1	0	No	Raster	500	Engraving below
	1,5 mm	20	40	1	0	No	Vector	500	Engraving below
	1,5 mm	90	18	1	0	Yes	Cutting	500	Leave a protection film
	3 mm	90	60	1	0	No	Raster	500	Engraving below
	3 mm	20	40	1	0	No	Vector	500	Engraving below
	3 mm	100	10	1	0	Yes	Cutting	500	Leave a protection film
	5 mm	90	60	1	0	No	Raster	500	Engraving below
	5 mm	20	40	1	0	No	Vector	500	Engraving below
Acrylic	3 mm	30	100	1	0	No	Raster	500	
	3 mm	10	100	1	0	No	Vector	500	
	3 mm	100	5	1	0	Yes	Cutting	500	Pin Table recommended
	5 mm	30	100	1	0	No	Raster	500	
	5 mm	10	100	1	0	No	Vector	500	
	5 mm	100	3	1	0	Yes	Cutting	500	Pin Table recommended
	10 mm	30	100	1	0	No	Raster	500	
	10 mm	10	100	1	0	No	Vector	500	
Gravotac™ Exterior	0,8 mm	30	35	1	0	Yes	Vect.Cut.	500	
	1,6 mm	100	25	1	0	Yes	Vect.Cut.	500	
	3,2 mm	100	8	1	0	Yes	Vect.Cut.	500	
Flexilase™	0,25 mm	30	100	1	0	No	Raster	500	Gravogrip use recommended for fixing
	0,25 mm	10	100	1	0	No	Vector	500	Gravogrip use recommended for fixing
	0,25 mm	30	35	1	0	Yes	Vect.Cut.	500	Gravogrip use recommended for fixing
Stickalase™	0,09 mm	26	100	1	0	No	Raster	500	Gravogrip use recommended for fixing
	0,09 mm	2	35	1	0	No	Vector	500	Gravogrip use recommended for fixing
	0,09 mm	5	35	1	0	Yes	Vect.Cut.	500	Gravogrip use recommended for fixing
Gravostrat™	No	30	30	1	0	No	Raster	500	
	No	30	30	1	0	No	Vector	500	
Rubbalase™	2,2 mm	100	17	1	0	No	Raster	500	
	2,2 mm			1	0	No	Vector	500	Unnecessary
	2,2 mm	100	8	1	0	Yes	Vect.Cut.	500	
	2,2 mm	100	8	1	0	Yes	Vect.Pnt.	500	

Metallics Laser									
	Thickness	Power	Speed	Passes	Focus	Air	Type	Dpi	Comments
Gravolase™ Metallics	0,5 mm	35	100	1	0	No	Raster	500	
	0,5 mm	9	100	1	0	No	Vector	500	
	0,5 mm	30	35	1	0	Yes	Vect. Cut.	500	
	1,6 mm	35	100	1	0	No	Raster	500	
	1,6 mm	9	100	1	0	No	Vector	500	
	1,6 mm	100	25	1	0	Yes	Vect. Cut.	500	
Metallex™	0,5 mm	40	100	1	0	No	Raster	500	
	0,5 mm	9	100	1	0	No	Vector	500	
	0,5 mm			1	0	Yes	Vect. Cut.	500	Impossible
	0,8 mm	40	100	1	0	No	Raster	500	
	0,8 mm	9	100	1	0	No	Vector	500	
	0,8 mm			1	0	Yes	Vect. Cut.	500	Impossible
	1,6 mm	40	100	1	0	No	Raster	500	
	1,6 mm	9	100	1	0	No	Vector	500	
	1,6 mm			1	0	Yes	Vect. Cut.	500	Impossible
	2,4 mm	40	100	1	0	No	Raster	500	
	2,4 mm	9	100	1	0	No	Vector	500	
	2,4 mm			1	0	Yes	Vect. Cut.	500	Impossible
Gravoxal™	No	100	50	1	0	No	Raster	500	
	No	30	100	1	0	No	vector	500	
Gravometall™	No	30	100	1	0	No	Raster	500	
	No	20	50	1	0	No	vector	500	
AlumaMark™	No	30	50	1	0	No	Raster	500	
	No	10	50	1	0	No	vector	500	
DuraBlack™	No	30	50	1	0	No	Raster	500	
	No	16	50	1	0	No	vector	500	

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**LS900 IQ 35W:**

Plastics Laser									
	Thickness	Power	Speed	Passes	Focus	Air	Type	Dpi	Comments
Gravoply™ Laser	0,8 mm	35	100	1	0	No	Raster	500	
	0,8 mm	10	100	1	0	No	Vector	500	
	0,8 mm	30	35	1	0	Yes	Vect.Cut.	500	
	1,3 mm	35	100	1	0	No	Raster	500	
	1,3 mm	10	100	1	0	No	Vector	500	
	1,3 mm	80	28	1	0	Yes	Vect.Cut.	500	
	1,6 mm	35	100	1	0	No	Raster	500	
	1,6 mm	10	100	1	0	No	Vector	500	
Gravoply™ Ultra	0,5 mm	35	100	1	0	No	Raster	500	
	0,5 mm	10	100	1	0	No	Vector	500	
	0,5 mm	25	40	1	0	Yes	Vect.Cut.	500	
	1,6 mm	35	100	1	0	No	Raster	500	
	1,6 mm	10	100	1	0	No	Vector	500	
	1,6 mm	100	25	1	0	Yes	Vect.Cut.	500	
	2,4 mm	35	100	1	0	No	Raster	500	
	2,4 mm	10	100	1	0	No	Vector	500	
Gravoply™ 2	No	35	100	1	0	No	Raster	500	
	No	10	100	1	0	No	Vector	500	
Gravoglas™ 1	1,5 mm	90	60	1	0	No	Raster	500	Engraving below
	1,5 mm	20	40	1	0	No	Vector	500	Engraving below
	1,5 mm	90	18	1	0	Yes	Cutting	500	Leave a protection film
	3 mm	90	60	1	0	No	Raster	500	Engraving below
	3 mm	20	40	1	0	No	Vector	500	Engraving below
	3 mm	100	10	1	0	Yes	Cutting	500	Leave a protection film
	5 mm	90	60	1	0	No	Raster	500	Engraving below
	5 mm	20	40	1	0	No	Vector	500	Engraving below
Acrylic	3 mm	30	100	1	0	No	Raster	500	
	3 mm	10	100	1	0	No	Vector	500	
	3 mm	100	5	1	0	Yes	Cutting	500	Pin Table recommended
	5 mm	30	100	1	0	No	Raster	500	
	5 mm	10	100	1	0	No	Vector	500	
	5 mm	100	3	1	0	Yes	Cutting	500	Pin Table recommended
	10 mm	30	100	1	0	No	Raster	500	
	10 mm	10	100	1	0	No	Vector	500	
Gravotac™ Exterior	0,8 mm	30	35	1	0	Yes	Vect.Cut.	500	
	1,6 mm	100	25	1	0	Yes	Vect.Cut.	500	
	3,2 mm	100	8	1	0	Yes	Vect.Cut.	500	
Flexilase™	0,25 mm	30	100	1	0	No	Raster	500	Gravogrip use recommended for fixing
	0,25 mm	10	100	1	0	No	Vector	500	Gravogrip use recommended for fixing
	0,25 mm	30	35	1	0	Yes	Vect.Cut.	500	Gravogrip use recommended for fixing
Stickalase™	0,09 mm	26	100	1	0	No	Raster	500	Gravogrip use recommended for fixing
	0,09 mm	2	35	1	0	No	Vector	500	Gravogrip use recommended for fixing
	0,09 mm	5	35	1	0	Yes	Vect.Cut.	500	Gravogrip use recommended for fixing
Gravostrat™	No	30	30	1	0	No	Raster	500	
	No	30	30	1	0	No	Vector	500	
Rubbalase™	2,2 mm	100	17	1	0	No	Raster	500	
	2,2 mm			1	0	No	Vector	500	Unnecessary
	2,2 mm	100	8	1	0	Yes	Vect.Cut.	500	
	2,2 mm	100	8	1	0	Yes	Vect.Pnt.	500	

Metallics Laser									
	Thickness	Power	Speed	Passes	Focus	Air	Type	Dpi	Comments
Gravolase™ Metallics	0,5 mm	35	100	1	0	No	Raster	500	
	0,5 mm	9	100	1	0	No	Vector	500	
	0,5 mm	30	35	1	0	Yes	Vect. Cut.	500	
	1,6 mm	35	100	1	0	No	Raster	500	
	1,6 mm	9	100	1	0	No	Vector	500	
	1,6 mm	100	25	1	0	Yes	Vect. Cut.	500	
Metallex™	0,5 mm	40	100	1	0	No	Raster	500	
	0,5 mm	9	100	1	0	No	Vector	500	
	0,5 mm			1	0	Yes	Vect. Cut.	500	Impossible
	0,8 mm	40	100	1	0	No	Raster	500	
	0,8 mm	9	100	1	0	No	Vector	500	
	0,8 mm			1	0	Yes	Vect. Cut.	500	Impossible
	1,6 mm	40	100	1	0	No	Raster	500	
	1,6 mm	9	100	1	0	No	Vector	500	
	1,6 mm			1	0	Yes	Vect. Cut.	500	Impossible
	2,4 mm	40	100	1	0	No	Raster	500	
	2,4 mm	9	100	1	0	No	Vector	500	
	2,4 mm			1	0	Yes	Vect. Cut.	500	Impossible
Gravoxal™	No	100	50	1	0	No	Raster	500	
	No	30	100	1	0	No	vector	500	
Gravometall™	No	30	100	1	0	No	Raster	500	
	No	20	50	1	0	No	vector	500	
AlumaMark™	No	30	50	1	0	No	Raster	500	
	No	10	50	1	0	No	vector	500	
DuraBlack™	No	30	50	1	0	No	Raster	500	
	No	16	50	1	0	No	vector	500	

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.

**LS900 XP 35W:**

Plastics Laser									
	Thickness	Power	Speed	Passes	Focus	Air	Type	Dpi	Comments
Gravoply™ Laser	0,8 mm	35	100	1	0	No	Raster	500	
	0,8 mm	10	100	1	0	No	Vector	500	
	0,8 mm	30	35	1	0	Yes	Vect.Cut.	500	
	1,3 mm	35	100	1	0	No	Raster	500	
	1,3 mm	10	100	1	0	No	Vector	500	
	1,3 mm	80	28	1	0	Yes	Vect.Cut.	500	
	1,6 mm	35	100	1	0	No	Raster	500	
	1,6 mm	10	100	1	0	No	Vector	500	
Gravoply™ Ultra	0,5 mm	35	100	1	0	No	Raster	500	
	0,5 mm	10	100	1	0	No	Vector	500	
	0,5 mm	25	40	1	0	Yes	Vect.Cut.	500	
	1,6 mm	35	100	1	0	No	Raster	500	
	1,6 mm	10	100	1	0	No	Vector	500	
	1,6 mm	100	25	1	0	Yes	Vect.Cut.	500	
	2,4 mm	35	100	1	0	No	Raster	500	
	2,4 mm	10	100	1	0	No	Vector	500	
Gravoply™ 2	No	35	100	1	0	No	Raster	500	
	No	10	100	1	0	No	Vector	500	
Gravoglas™ 1	1,5 mm	90	60	1	0	No	Raster	500	Engraving below
	1,5 mm	20	40	1	0	No	Vector	500	Engraving below
	1,5 mm	80	10	1	0	Yes	Cutting	500	Leave a protection film
	3 mm	90	60	1	0	No	Raster	500	Engraving below
	3 mm	20	40	1	0	No	Vector	500	Engraving below
	3 mm	100	10	1	0	Yes	Cutting	500	Leave a protection film
	5 mm	90	60	1	0	No	Raster	500	Engraving below
	5 mm	20	40	1	0	No	Vector	500	Engraving below
Acrylic	3 mm	30	100	1	0	No	Raster	500	
	3 mm	10	100	1	0	No	Vector	500	
	3 mm	100	5	1	0	Yes	Cutting	500	Pin Table recommended
	5 mm	30	100	1	0	No	Raster	500	
	5 mm	10	100	1	0	No	Vector	500	
	5 mm	100	3	1	0	Yes	Cutting	500	Pin Table recommended
	10 mm	30	100	1	0	No	Raster	500	
	10 mm	10	100	1	0	No	Vector	500	
Gravotac™ Exterior	0,8 mm	30	35	1	0	Yes	Vect.Cut.	500	
	1,6 mm	100	25	1	0	Yes	Vect.Cut.	500	
	3,2 mm	100	8	1	0	Yes	Vect.Cut.	500	
Flexilase™	0,25 mm	30	100	1	0	No	Raster	500	Gravogrip use recommended for fixing
	0,25 mm	10	100	1	0	No	Vector	500	Gravogrip use recommended for fixing
	0,25 mm	30	35	1	0	Yes	Vect.Cut.	500	Gravogrip use recommended for fixing
Stickalase™	0,09 mm	26	100	1	0	No	Raster	500	
	0,09 mm	2	35	1	0	No	Vector	500	
	0,09 mm	5	35	1	0	Yes	Vect.Cut.	500	
Gravostrat™	No	30	30	1	0	No	Raster	500	
	No	30	30	1	0	No	Vector	500	
Rubbalase™	2,2 mm	100	17	1	0	No	Raster	500	
	2,2 mm			1	0	No	Vector	500	Unnecessary
	2,2 mm	100	8	1	0	Yes	Vect.Cut.	500	
	2,2 mm	100	8	1	0	Yes	Vect.Pnt.	500	

Metallics Laser									
	Thickness	Power	Speed	Passes	Focus	Air	Type	Dpi	Comments
Gravolase™ Metallics	0,5 mm	35	100	1	0	No	Raster	500	
	0,5 mm	9	100	1	0	No	Vector	500	
	0,5 mm	30	28	1	0	Yes	Vect. Cut.	500	
	1,6 mm	35	100	1	0	No	Raster	500	
	1,6 mm	9	100	1	0	No	Vector	500	
	1,6 mm	100	25	1	0	Yes	Vect. Cut.	500	
Metallex™	0,5 mm	40	100	1	0	No	Raster	500	
	0,5 mm	9	100	1	0	No	Vector	500	
	0,5 mm			1	0	Yes	Vect. Cut.	500	Impossible
	0,8 mm	40	100	1	0	No	Raster	500	
	0,8 mm	9	100	1	0	No	Vector	500	
	0,8 mm			1	0	Yes	Vect. Cut.	500	Impossible
	1,6 mm	40	100	1	0	No	Raster	500	
	1,6 mm	9	100	1	0	No	Vector	500	
	1,6 mm			1	0	Yes	Vect. Cut.	500	Impossible
	2,4 mm	40	100	1	0	No	Raster	500	
	2,4 mm	9	100	1	0	No	Vector	500	
	2,4 mm			1	0	Yes	Vect. Cut.	500	Impossible
Gravoxal™	No	100	50	1	0	No	Raster	500	
	No	30	100	1	0	No	vector	500	
Gravometall™	No	30	100	1	0	No	Raster	500	
	No	20	50	1	0	No	vector	500	
AlumaMark™	No	30	50	1	0	No	Raster	500	
	No	10	50	1	0	No	vector	500	
DuraBlack™	No	30	50	1	0	No	Raster	500	
	No	16	50	1	0	No	vector	500	

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.

**LS100 IQ 40W:**

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	10	100	1	0	No	Vector	500	
	0,8 mm	60	40	1	0	Yes	Vect.Cut.	500	
	1,3 mm	30	100	1	0	No	Raster	500	
	1,3 mm	10	100	1	0	No	Vector	500	
	1,3 mm	90	30	1	0	Yes	Vect.Cut.	500	
	1,6 mm	30	100	1	0	No	Raster	500	
	1,6 mm	10	100	1	0	No	Vector	500	
Gravoply™ Ultra	0,5 mm	30	100	1	0	No	Raster	500	
	0,5 mm	10	100	1	0	No	Vector	500	
	0,5 mm	25	40	1	0	Yes	Vect.Cut.	500	
	1,6 mm	30	100	1	0	No	Raster	500	
	1,6 mm	10	100	1	0	No	Vector	500	
	1,6 mm	100	25	1	0	Yes	Vect.Cut.	500	
	2,4 mm	30	100	1	0	No	Raster	500	
	2,4 mm	7	100	1	0	No	Vector	500	
Gravoply™ 2	No	60	90	1	0	No	Raster	500	
	No	20	40	1	0	No	Vector	500	
Gravoglas™ 1	1,5 mm	60	90	1	0	No	Raster	500	Engraving below
	1,5 mm	20	40	1	0	No	Vector	500	Engraving below
	1,5 mm	80	18	1	0	Yes	Cutting	500	Leave a protection film
	3 mm	60	90	1	0	No	Raster	500	Engraving below
	3 mm	20	40	1	0	No	Vector	500	Engraving below
	3 mm	100	10	1	0	Yes	Cutting	500	Leave a protection film
	5 mm	60	90	1	0	No	Raster	500	Engraving below
	5 mm	20	40	1	0	No	Vector	500	Engraving below
Acrylic	3 mm	30	100	1	0	No	Raster	500	
	3 mm	10	100	1	0	No	Vector	500	
	3 mm	100	5	1	0	Yes	Cutting	500	Pin Table recommended
	5 mm	30	100	1	0	No	Raster	500	
	5 mm	10	100	1	0	No	Vector	500	
	5 mm	100	3	1	0	Yes	Cutting	500	Pin Table recommended
	10 mm	30	100	1	0	No	Raster	500	
	10 mm	10	100	1	0	No	Vector	500	
Gravotac™ Exterior	0,8 mm	30	37	1	0	Yes	Vect.Cut.	500	
	1,6 mm	100	27	1	0	Yes	Vect.Cut.	500	
	3,2 mm	100	9	1	0	Yes	Vect.Cut.	500	
Flexilase™	0,25 mm	28	100	1	0	No	Raster	500	Gravogrip use recommended for fixing
	0,25 mm	10	100	1	0	No	Vector	500	Gravogrip use recommended for fixing
	0,25 mm	28	35	1	0	Yes	Vect.Cut.	500	Gravogrip use recommended for fixing
Stickalase™	0,09 mm	24	100	1	0	No	Raster	500	Gravogrip use recommended for fixing
	0,09 mm	2	35	1	0	No	Vector	500	Gravogrip use recommended for fixing
	0,09 mm	4	35	1	0	Yes	Vect.Cut.	500	Gravogrip use recommended for fixing
Gravostrat™	No	30	30	1	0	No	Raster	500	
	No	30	30	1	0	No	Vector	500	
Rubbalase™	2,2 mm	100	19	1	0	No	Raster	500	
	2,2 mm			1	0	No	Vector	500	Unnecessary
	2,2 mm	100	10	1	0	Yes	Vect.Cut.	500	
	2,2 mm	100	10	1	0	Yes	Vect.Pnt.	500	

Metallics Laser									
	Thickness	Power	Speed	Passes	Focus	Air	Type	Dpi	Comments
Gravolase™ Metallics	0,5 mm	30	100	1	0	No	Raster	500	
	0,5 mm	10	100	1	0	No	Vector	500	
	0,5 mm	23	40	1	0	Yes	Vect. Cut.	500	
	1,6 mm	30	100	1	0	No	Raster	500	
	1,6 mm	10	100	1	0	No	Vector	500	
	1,6 mm	80	20	1	0	Yes	Vect. Cut.	500	
Metallex™	0,5 mm	30	100	1	0	No	Raster	500	
	0,5 mm	9	100	1	0	No	Vector	500	
	0,5 mm			1	0	Yes	Vect. Cut.	500	Impossible
	0,8 mm	30	100	1	0	No	Raster	500	
	0,8 mm	9	100	1	0	No	Vector	500	
	0,8 mm			1	0	Yes	Vect. Cut.	500	Impossible
	1,6 mm	30	100	1	0	No	Raster	500	
	1,6 mm	9	100	1	0	No	Vector	500	
	1,6 mm			1	0	Yes	Vect. Cut.	500	Impossible
	2,4 mm	30	100	1	0	No	Raster	500	
	2,4 mm	9	100	1	0	No	Vector	500	
	2,4 mm			1	0	Yes	Vect. Cut.	500	Impossible
Gravoxal™	No	100	50	1	0	No	Raster	500	
	No	30	100	1	0	No	vector	500	
Gravometall™	No	30	100	1	0	No	Raster	500	
	No	20	50	1	0	No	vector	500	
AlumaMark™	No	28	50	1	0	No	Raster	500	
	No	10	50	1	0	No	vector	500	
DuraBlack™	No	28	50	1	0	No	Raster	500	
	No	14	50	1	0	No	vector	500	

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.

**LS100 Ex 40W:**

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	10	100	1	0	No	Vector	500	
	0,8 mm	60	40	1	0	Yes	Vect.Cut.	500	
	1,3 mm	30	100	1	0	No	Raster	500	
	1,3 mm	10	100	1	0	No	Vector	500	
	1,3 mm	90	30	1	0	Yes	Vect.Cut.	500	
	1,6 mm	30	100	1	0	No	Raster	500	
	1,6 mm	10	100	1	0	No	Vector	500	
Gravoply™ Ultra	0,5 mm	30	100	1	0	No	Raster	500	
	0,5 mm	10	100	1	0	No	Vector	500	
	0,5 mm	25	40	1	0	Yes	Vect.Cut.	500	
	1,6 mm	30	100	1	0	No	Raster	500	
	1,6 mm	10	100	1	0	No	Vector	500	
	1,6 mm	100	25	1	0	Yes	Vect.Cut.	500	
	2,4 mm	30	100	1	0	No	Raster	500	
	2,4 mm	7	100	1	0	No	Vector	500	
Gravoply™ 2	No	60	90	1	0	No	Raster	500	
	No	20	40	1	0	No	Vector	500	
Gravoglas™ 1	1,5 mm	60	90	1	0	No	Raster	500	Engraving below
	1,5 mm	20	40	1	0	No	Vector	500	Engraving below
	1,5 mm	80	18	1	0	Yes	Cutting	500	Leave a protection film
	3 mm	60	90	1	0	No	Raster	500	Engraving below
	3 mm	20	40	1	0	No	Vector	500	Engraving below
	3 mm	100	10	1	0	Yes	Cutting	500	Leave a protection film
	5 mm	60	90	1	0	No	Raster	500	Engraving below
	5 mm	20	40	1	0	No	Vector	500	Engraving below
Acrylic	3 mm	30	100	1	0	No	Raster	500	
	3 mm	10	100	1	0	No	Vector	500	
	3 mm	100	5	1	0	Yes	Cutting	500	Pin Table recommended
	5 mm	30	100	1	0	No	Raster	500	
	5 mm	10	100	1	0	No	Vector	500	
	5 mm	100	3	1	0	Yes	Cutting	500	Pin Table recommended
	10 mm	30	100	1	0	No	Raster	500	
	10 mm	10	100	1	0	No	Vector	500	
Gravotac™ Exterior	0,8 mm	30	37	1	0	Yes	Vect.Cut.	500	
	1,6 mm	100	27	1	0	Yes	Vect.Cut.	500	
	3,2 mm	100	9	1	0	Yes	Vect.Cut.	500	
Flexilase™	0,25 mm	28	100	1	0	No	Raster	500	Gravogrip use recommended for fixing
	0,25 mm	10	100	1	0	No	Vector	500	Gravogrip use recommended for fixing
	0,25 mm	28	35	1	0	Yes	Vect.Cut.	500	Gravogrip use recommended for fixing
Stickalase™	0,09 mm	24	100	1	0	No	Raster	500	Gravogrip use recommended for fixing
	0,09 mm	2	35	1	0	No	Vector	500	Gravogrip use recommended for fixing
	0,09 mm	4	35	1	0	Yes	Vect.Cut.	500	Gravogrip use recommended for fixing
Gravostrat™	No	30	30	1	0	No	Raster	500	
	No	30	30	1	0	No	Vector	500	
Rubbalase™	2,2 mm	100	19	1	0	No	Raster	500	
	2,2 mm			1	0	No	Vector	500	Unnecessary
	2,2 mm	100	10	1	0	Yes	Vect.Cut.	500	
	2,2 mm	100	10	1	0	Yes	Vect.Pnt.	500	

Metallics Laser									
	Thickness	Power	Speed	Passes	Focus	Air	Type	Dpi	Comments
Gravolase™ Metallics	0,5 mm	30	100	1	0	No	Raster	500	
	0,5 mm	10	100	1	0	No	Vector	500	
	0,5 mm	23	40	1	0	Yes	Vect. Cut.	500	
	1,6 mm	30	100	1	0	No	Raster	500	
	1,6 mm	10	100	1	0	No	Vector	500	
	1,6 mm	80	20	1	0	Yes	Vect. Cut.	500	
Metallex™	0,5 mm	30	100	1	0	No	Raster	500	
	0,5 mm	9	100	1	0	No	Vector	500	
	0,5 mm			1	0	Yes	Vect. Cut.	500	Impossible
	0,8 mm	30	100	1	0	No	Raster	500	
	0,8 mm	9	100	1	0	No	Vector	500	
	0,8 mm			1	0	Yes	Vect. Cut.	500	Impossible
	1,6 mm	30	100	1	0	No	Raster	500	
	1,6 mm	9	100	1	0	No	Vector	500	
	1,6 mm			1	0	Yes	Vect. Cut.	500	Impossible
	2,4 mm	30	100	1	0	No	Raster	500	
	2,4 mm	9	100	1	0	No	Vector	500	
	2,4 mm			1	0	Yes	Vect. Cut.	500	Impossible
Gravoxal™	No	100	50	1	0	No	Raster	500	
	No	30	100	1	0	No	vector	500	
Gravometall™	No	30	100	1	0	No	Raster	500	
	No	20	50	1	0	No	vector	500	
AlumaMark™	No	28	50	1	0	No	Raster	500	
	No	10	50	1	0	No	vector	500	
DuraBlack™	No	28	50	1	0	No	Raster	500	
	No	14	50	1	0	No	vector	500	





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.

**LS900 IQ 40W:**

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	10	100	1	0	No	Vector	500	
	0,8 mm	60	40	1	0	Yes	Vect.Cut.	500	
	1,3 mm	30	100	1	0	No	Raster	500	
	1,3 mm	10	100	1	0	No	Vector	500	
	1,3 mm	90	30	1	0	Yes	Vect.Cut.	500	
	1,6 mm	30	100	1	0	No	Raster	500	
	1,6 mm	10	100	1	0	No	Vector	500	
Gravoply™ Ultra	0,5 mm	30	100	1	0	No	Raster	500	
	0,5 mm	10	100	1	0	No	Vector	500	
	0,5 mm	25	40	1	0	Yes	Vect.Cut.	500	
	1,6 mm	30	100	1	0	No	Raster	500	
	1,6 mm	10	100	1	0	No	Vector	500	
	1,6 mm	100	25	1	0	Yes	Vect.Cut.	500	
	2,4 mm	30	100	1	0	No	Raster	500	
	2,4 mm	7	100	1	0	No	Vector	500	
Gravoply™ 2	No	60	90	1	0	No	Raster	500	
	No	20	40	1	0	No	Vector	500	
Gravoglas™ 1	1,5 mm	60	90	1	0	No	Raster	500	Engraving below
	1,5 mm	20	40	1	0	No	Vector	500	Engraving below
	1,5 mm	80	18	1	0	Yes	Cutting	500	Leave a protection film
	3 mm	60	90	1	0	No	Raster	500	Engraving below
	3 mm	20	40	1	0	No	Vector	500	Engraving below
	3 mm	100	10	1	0	Yes	Cutting	500	Leave a protection film
	5 mm	60	90	1	0	No	Raster	500	Engraving below
	5 mm	20	40	1	0	No	Vector	500	Engraving below
Acrylic	5 mm	100	6	1	0	Yes	Cutting	500	Leave a protection film
	3 mm	30	100	1	0	No	Raster	500	
	3 mm	10	100	1	0	No	Vector	500	
	3 mm	100	5	1	0	Yes	Cutting	500	Pin Table recommended
	5 mm	30	100	1	0	No	Raster	500	
	5 mm	10	100	1	0	No	Vector	500	
	5 mm	100	3	1	0	Yes	Cutting	500	Pin Table recommended
	10 mm	30	100	1	0	No	Raster	500	
Gravotac™ Exterior	10 mm	10	100	1	0	No	Vector	500	
	10 mm	100	0,8	1	0	Yes	Cutting	500	Pin Table recommended
	0,8 mm	30	37	1	0	Yes	Vect.Cut.	500	
Flexilase™	1,6 mm	100	27	1	0	Yes	Vect.Cut.	500	
	3,2 mm	100	9	1	0	Yes	Vect.Cut.	500	
	0,25 mm	28	100	1	0	No	Raster	500	Gravogrip use recommended for fixing
Stickalase™	0,25 mm	10	100	1	0	No	Vector	500	Gravogrip use recommended for fixing
	0,25 mm	28	35	1	0	Yes	Vect.Cut.	500	Gravogrip use recommended for fixing
	0,09 mm	24	100	1	0	No	Raster	500	Gravogrip use recommended for fixing
Gravostrat™	0,09 mm	2	35	1	0	No	Vector	500	Gravogrip use recommended for fixing
	0,09 mm	4	35	1	0	Yes	Vect.Cut.	500	Gravogrip use recommended for fixing
	No	30	30	1	0	No	Raster	500	
Rubbalase™	No	30	30	1	0	No	Vector	500	
	2,2 mm	100	19	1	0	No	Raster	500	
	2,2 mm			1	0	No	Vector	500	Unnecessary
	2,2 mm	100	10	1	0	Yes	Vect.Cut.	500	
	2,2 mm	100	10	1	0	Yes	Vect.Pnt.	500	

Metallics Laser									
	Thickness	Power	Speed	Passes	Focus	Air	Type	Dpi	Comments
Gravolase™ Metallics	0,5 mm	30	100	1	0	No	Raster	500	
	0,5 mm	10	100	1	0	No	Vector	500	
	0,5 mm	23	40	1	0	Yes	Vect. Cut.	500	
	1,6 mm	30	100	1	0	No	Raster	500	
	1,6 mm	10	100	1	0	No	Vector	500	
	1,6 mm	80	20	1	0	Yes	Vect. Cut.	500	
Metallex™	0,5 mm	30	100	1	0	No	Raster	500	
	0,5 mm	9	100	1	0	No	Vector	500	
	0,5 mm			1	0	Yes	Vect. Cut.	500	Impossible
	0,8 mm	30	100	1	0	No	Raster	500	
	0,8 mm	9	100	1	0	No	Vector	500	
	0,8 mm			1	0	Yes	Vect. Cut.	500	Impossible
	1,6 mm	30	100	1	0	No	Raster	500	
	1,6 mm	9	100	1	0	No	Vector	500	
	1,6 mm			1	0	Yes	Vect. Cut.	500	Impossible
	2,4 mm	30	100	1	0	No	Raster	500	
	2,4 mm	9	100	1	0	No	Vector	500	
	2,4 mm			1	0	Yes	Vect. Cut.	500	Impossible
Gravoxal™	No	100	50	1	0	No	Raster	500	
	No	30	100	1	0	No	vector	500	
Gravometall™	No	30	100	1	0	No	Raster	500	
	No	20	50	1	0	No	vector	500	
AlumaMark™	No	28	50	1	0	No	Raster	500	
	No	10	50	1	0	No	vector	500	
DuraBlack™	No	28	50	1	0	No	Raster	500	
	No	14	50	1	0	No	vector	500	

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.

**LS900 XP 40W:**

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	10	100	1	0	No	Vector	500	
	0,8 mm	60	40	1	0	Yes	Vect.Cut.	500	
	1,3 mm	30	100	1	0	No	Raster	500	
	1,3 mm	10	100	1	0	No	Vector	500	
	1,3 mm	90	30	1	0	Yes	Vect.Cut.	500	
	1,6 mm	30	100	1	0	No	Raster	500	
	1,6 mm	10	100	1	0	No	Vector	500	
Gravoply™ Ultra	0,5 mm	30	100	1	0	No	Raster	500	
	0,5 mm	10	100	1	0	No	Vector	500	
	0,5 mm	25	40	1	0	Yes	Vect.Cut.	500	
	1,6 mm	30	100	1	0	No	Raster	500	
	1,6 mm	10	100	1	0	No	Vector	500	
	1,6 mm	100	25	1	0	Yes	Vect.Cut.	500	
	2,4 mm	30	100	1	0	No	Raster	500	
	2,4 mm	7	100	1	0	No	Vector	500	
Gravoply™ 2	No	30	100	1	0	No	Raster	500	
	No	9	100	1	0	No	Vector	500	
Gravoglas™ 1	1,5 mm	60	90	1	0	No	Raster	500	Engraving below
	1,5 mm	20	40	1	0	No	Vector	500	Engraving below
	1,5 mm	80	18	1	0	Yes	Cutting	500	Leave a protection film
	3 mm	60	90	1	0	No	Raster	500	Engraving below
	3 mm	20	40	1	0	No	Vector	500	Engraving below
	3 mm	100	10	1	0	Yes	Cutting	500	Leave a protection film
	5 mm	60	90	1	0	No	Raster	500	Engraving below
	5 mm	20	40	1	0	No	Vector	500	Engraving below
Acrylic	3 mm	30	100	1	0	No	Raster	500	
	3 mm	10	100	1	0	No	Vector	500	
	3 mm	100	5	1	0	Yes	Cutting	500	Pin Table recommended
	5 mm	30	100	1	0	No	Raster	500	
	5 mm	10	100	1	0	No	Vector	500	
	5 mm	100	3	1	0	Yes	Cutting	500	Pin Table recommended
	10 mm	30	100	1	0	No	Raster	500	
	10 mm	10	100	1	0	No	Vector	500	
Gravotac™ Exterior	0,8 mm	30	37	1	0	Yes	Vect.Cut.	500	
	1,6 mm	100	27	1	0	Yes	Vect.Cut.	500	
	3,2 mm	100	9	1	0	Yes	Vect.Cut.	500	
Flexilase™	0,25 mm	28	100	1	0	No	Raster	500	Gravogrip use recommended for fixing
	0,25 mm	10	100	1	0	No	Vector	500	Gravogrip use recommended for fixing
	0,25 mm	28	35	1	0	Yes	Vect.Cut.	500	Gravogrip use recommended for fixing
Stickalase™	0,09 mm	24	100	1	0	No	Raster	500	
	0,09 mm	2	35	1	0	No	Vector	500	
	0,09 mm	4	35	1	0	Yes	Vect.Cut.	500	
Gravostrat™	No	30	30	1	0	No	Raster	500	
	No	30	30	1	0	No	Vector	500	
Rubbalase™	2,2 mm	100	19	1	0	No	Raster	500	
	2,2 mm			1	0	No	Vector	500	Unnecessary
	2,2 mm	100	10	1	0	Yes	Vect.Cut.	500	
	2,2 mm	100	10	1	0	Yes	Vect.Pnt.	500	

Metallics Laser									
	Thickness	Power	Speed	Passes	Focus	Air	Type	Dpi	Comments
Gravolase™ Metallics	0,5 mm	30	100	1	0	No	Raster	500	
	0,5 mm	10	100	1	0	No	Vector	500	
	0,5 mm	23	40	1	0	Yes	Vect. Cut.	500	
	1,6 mm	30	100	1	0	No	Raster	500	
	1,6 mm	10	100	1	0	No	Vector	500	
	1,6 mm	80	20	1	0	Yes	Vect. Cut.	500	
Metallex™	0,5 mm	30	100	1	0	No	Raster	500	
	0,5 mm	9	100	1	0	No	Vector	500	
	0,5 mm			1	0	Yes	Vect. Cut.	500	Impossible
	0,8 mm	30	100	1	0	No	Raster	500	
	0,8 mm	9	100	1	0	No	Vector	500	
	0,8 mm			1	0	Yes	Vect. Cut.	500	Impossible
	1,6 mm	30	100	1	0	No	Raster	500	
	1,6 mm	9	100	1	0	No	Vector	500	
	1,6 mm			1	0	Yes	Vect. Cut.	500	Impossible
	2,4 mm	30	100	1	0	No	Raster	500	
	2,4 mm	9	100	1	0	No	Vector	500	
	2,4 mm			1	0	Yes	Vect. Cut.	500	Impossible
Gravoxal™	No	100	50	1	0	No	Raster	500	
	No	30	50	1	0	No	vector	500	
Gravometall™	No	30	100	1	0	No	Raster	500	
	No	20	50	1	0	No	vector	500	
AlumaMark™	No	28	50	1	0	No	Raster	500	
	No	10	50	1	0	No	vector	500	
DuraBlack™	No	28	50	1	0	No	Raster	500	
	No	14	50	1	0	No	vector	500	

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.

**LS100 IQ 60W:**

Plastics Laser									
	Thickness	Power	Speed	Passes	Focus	Air	Type	Dpi	Comments
Gravoply™ Laser	0,8 mm	19	100	1	0	No	Raster	500	
	0,8 mm	9	100	1	0	No	Vector	500	
	0,8 mm	35	40	1	0	Yes	Vect.Cut.	500	
	1,3 mm	23	100	1	0	No	Raster	500	
	1,3 mm	9	100	1	0	No	Vector	500	
	1,3 mm	45	30	1	0	Yes	Vect.Cut.	500	
	1,6 mm	19	100	1	0	No	Raster	500	
	1,6 mm	9	100	1	0	No	Vector	500	
Gravoply™ Ultra	0,5 mm	19	100	1	0	No	Raster	500	
	0,5 mm	9	100	1	0	No	Vector	500	
	0,5 mm	17	40	1	0	Yes	Vect.Cut.	500	
	1,6 mm	19	100	1	0	No	Raster	500	
	1,6 mm	9	100	1	0	No	Vector	500	
	1,6 mm	47	25	1	0	Yes	Vect.Cut.	500	
	2,4 mm	19	100	1	0	No	Raster	500	
	2,4 mm	9	100	1	0	No	Vector	500	
Gravoply™ 2	No	19	100	1	0	No	Raster	500	
	No	7	100	1	0	No	Vector	500	
Gravoglas™ 1	1,5 mm	33	90	1	0	No	Raster	500	Engraving below
	1,5 mm	10	40	1	0	No	Vector	500	Engraving below
	1,5 mm	23	18	1	0	Yes	Cutting	500	Leave a protection film
	3 mm	33	90	1	0	No	Raster	500	Engraving below
	3 mm	10	40	1	0	No	Vector	500	Engraving below
	3 mm	47	10	1	0	Yes	Cutting	500	Leave a protection film
	5 mm	33	90	1	0	No	Raster	500	Engraving below
	5 mm	10	40	1	0	No	Vector	500	Engraving below
Acrylic	3 mm	19	100	1	0	No	Raster	500	
	3 mm	10	100	1	0	No	Vector	500	
	3 mm	47	5	1	0	Yes	Cutting	500	Pin Table recommended
	5 mm	19	100	1	0	No	Raster	500	
	5 mm	10	100	1	0	No	Vector	500	
	5 mm	47	3	1	0	Yes	Cutting	500	Pin Table recommended
	10 mm	19	100	1	0	No	Raster	500	
	10 mm	10	100	1	0	No	Vector	500	
Gravotac™ Exterior	0,8 mm	19	37	1	0	Yes	Vect.Cut.	500	
	1,6 mm	47	27	1	0	Yes	Vect.Cut.	500	
	3,2 mm	47	9	1	0	Yes	Vect.Cut.	500	
Flexilase™	0,25 mm	18	100	1	0	No	Raster	500	Gravogrip use recommended for fixing
	0,25 mm	10	100	1	0	No	Vector	500	Gravogrip use recommended for fixing
	0,25 mm	18	35	1	0	Yes	Vect.Cut.	500	Gravogrip use recommended for fixing
Stickalase™	0,09 mm	17	100	1	0	No	Raster	500	Gravogrip use recommended for fixing
	0,09 mm	2	35	1	0	No	Vector	500	Gravogrip use recommended for fixing
	0,09 mm	4	35	1	0	Yes	Vect.Cut.	500	Gravogrip use recommended for fixing
Gravostrat™	No	19	30	1	0	No	Raster	500	
	No	10	100	1	0	No	Vector	500	
Rubbalase™	2,2 mm	60	20	1	0	No	Raster	500	
	2,2 mm			1	0	No	Vector	500	Unnecessary
	2,2 mm	100	10	1	0	Yes	Vect.Cut.	500	
	2,2 mm	47	10	1	0	Yes	Vect.Pnt.	500	

Metallics Laser									
	Thickness	Power	Speed	Passes	Focus	Air	Type	Dpi	Comments
Gravolase™ Metallics	0,5 mm	35	100	1	0	No	Raster	500	
	0,5 mm	9	100	1	0	No	Vector	500	
	0,5 mm	30	35	1	0	Yes	Vect. Cut.	500	
	1,6 mm	35	100	1	0	No	Raster	500	
	1,6 mm	9	100	1	0	No	Vector	500	
	1,6 mm	100	25	1	0	Yes	Vect. Cut.	500	
Metallex™	0,5 mm	40	100	1	0	No	Raster	500	
	0,5 mm	9	100	1	0	No	Vector	500	
	0,5 mm			1	0	Yes	Vect. Cut.	500	Impossible
	0,8 mm	40	100	1	0	No	Raster	500	
	0,8 mm	9	100	1	0	No	Vector	500	
	0,8 mm			1	0	Yes	Vect. Cut.	500	Impossible
	1,6 mm	40	100	1	0	No	Raster	500	
	1,6 mm	9	100	1	0	No	Vector	500	
	1,6 mm			1	0	Yes	Vect. Cut.	500	Impossible
	2,4 mm	40	100	1	0	No	Raster	500	
	2,4 mm	9	100	1	0	No	Vector	500	
	2,4 mm			1	0	Yes	Vect. Cut.	500	Impossible
Gravoxal™	No	100	50	1	0	No	Raster	500	
	No	30	100	1	0	No	vector	500	
Gravometall™	No	30	100	1	0	No	Raster	500	
	No	20	50	1	0	No	vector	500	
AlumaMark™	No	30	50	1	0	No	Raster	500	
	No	10	50	1	0	No	vector	500	
DuraBlack™	No	30	50	1	0	No	Raster	500	
	No	16	50	1	0	No	vector	500	

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.

**LS100 Ex 60W:**

Plastics Laser									
	Thickness	Power	Speed	Passes	Focus	Air	Type	Dpi	Comments
Gravoply™ Laser	0,8 mm	19	100	1	0	No	Raster	500	
	0,8 mm	9	100	1	0	No	Vector	500	
	0,8 mm	35	40	1	0	Yes	Vect.Cut.	500	
	1,3 mm	23	100	1	0	No	Raster	500	
	1,3 mm	9	100	1	0	No	Vector	500	
	1,3 mm	45	30	1	0	Yes	Vect.Cut.	500	
	1,6 mm	19	100	1	0	No	Raster	500	
	1,6 mm	9	100	1	0	No	Vector	500	
	1,6 mm	45	25	1	0	Yes	Vect.Cut.	500	
Gravoply™ Ultra	0,5 mm	19	100	1	0	No	Raster	500	
	0,5 mm	9	100	1	0	No	Vector	500	
	0,5 mm	17	40	1	0	Yes	Vect.Cut.	500	
	1,6 mm	19	100	1	0	No	Raster	500	
	1,6 mm	9	100	1	0	No	Vector	500	
	1,6 mm	47	25	1	0	Yes	Vect.Cut.	500	
	2,4 mm	19	100	1	0	No	Raster	500	
	2,4 mm	9	100	1	0	No	Vector	500	
	2,4 mm	47	10	1	0	Yes	Vect.Cut.	500	
Gravoply™ 2	No	19	100	1	0	No	Raster	500	
	No	7	100	1	0	No	Vector	500	
Gravoglas™ 1	1,5 mm	33	90	1	0	No	Raster	500	Engraving below
	1,5 mm	10	40	1	0	No	Vector	500	Engraving below
	1,5 mm	23	18	1	0	Yes	Cutting	500	Leave a protection film
	3 mm	33	90	1	0	No	Raster	500	Engraving below
	3 mm	10	40	1	0	No	Vector	500	Engraving below
	3 mm	47	10	1	0	Yes	Cutting	500	Leave a protection film
	5 mm	33	90	1	0	No	Raster	500	Engraving below
	5 mm	10	40	1	0	No	Vector	500	Engraving below
	5 mm	47	6	1	0	Yes	Cutting	500	Leave a protection film
Acrylic	3 mm	19	100	1	0	No	Raster	500	
	3 mm	10	100	1	0	No	Vector	500	
	3 mm	47	5	1	0	Yes	Cutting	500	Pin Table recommended
	5 mm	19	100	1	0	No	Raster	500	
	5 mm	10	100	1	0	No	Vector	500	
	5 mm	47	3	1	0	Yes	Cutting	500	Pin Table recommended
	10 mm	19	100	1	0	No	Raster	500	
	10 mm	10	100	1	0	No	Vector	500	
	10 mm	47	0,8	1	0	Yes	Cutting	500	Pin Table recommended
Gravotac™ Exterior	0,8 mm	19	37	1	0	Yes	Vect.Cut.	500	
	1,6 mm	47	27	1	0	Yes	Vect.Cut.	500	
	3,2 mm	47	9	1	0	Yes	Vect.Cut.	500	
Flexilase™	0,25 mm	18	100	1	0	No	Raster	500	Gravogrip use recommended for fixing
	0,25 mm	10	100	1	0	No	Vector	500	Gravogrip use recommended for fixing
	0,25 mm	18	35	1	0	Yes	Vect.Cut.	500	Gravogrip use recommended for fixing
Stickalase™	0,09 mm	17	100	1	0	No	Raster	500	Gravogrip use recommended for fixing
	0,09 mm	2	35	1	0	No	Vector	500	Gravogrip use recommended for fixing
	0,09 mm	4	35	1	0	Yes	Vect.Cut.	500	Gravogrip use recommended for fixing
Gravostrat™	No	19	30	1	0	No	Raster	500	
	No	10	100	1	0	No	Vector	500	
Rubbalase™	2,2 mm	60	20	1	0	No	Raster	500	
	2,2 mm			1	0	No	Vector	500	Unnecessary
	2,2 mm	100	10	1	0	Yes	Vect.Cut.	500	
	2,2 mm	47	10	1	0	Yes	Vect.Pnt.	500	

Metallics Laser									
	Thickness	Power	Speed	Passes	Focus	Air	Type	Dpi	Comments
Gravolase™ Metallics	0,5 mm	35	100	1	0	No	Raster	500	
	0,5 mm	9	100	1	0	No	Vector	500	
	0,5 mm	30	35	1	0	Yes	Vect. Cut.	500	
	1,6 mm	35	100	1	0	No	Raster	500	
	1,6 mm	9	100	1	0	No	Vector	500	
	1,6 mm	100	25	1	0	Yes	Vect. Cut.	500	
Metallex™	0,5 mm	40	100	1	0	No	Raster	500	
	0,5 mm	9	100	1	0	No	Vector	500	
	0,5 mm			1	0	Yes	Vect. Cut.	500	Impossible
	0,8 mm	40	100	1	0	No	Raster	500	
	0,8 mm	9	100	1	0	No	Vector	500	
	0,8 mm			1	0	Yes	Vect. Cut.	500	Impossible
	1,6 mm	40	100	1	0	No	Raster	500	
	1,6 mm	9	100	1	0	No	Vector	500	
	1,6 mm			1	0	Yes	Vect. Cut.	500	Impossible
	2,4 mm	40	100	1	0	No	Raster	500	
	2,4 mm	9	100	1	0	No	Vector	500	
	2,4 mm			1	0	Yes	Vect. Cut.	500	Impossible
Gravoxal™	No	100	50	1	0	No	Raster	500	
	No	30	100	1	0	No	vector	500	
Gravometall™	No	30	100	1	0	No	Raster	500	
	No	20	50	1	0	No	vector	500	
AlumaMark™	No	30	50	1	0	No	Raster	500	
	No	10	50	1	0	No	vector	500	
DuraBlack™	No	30	50	1	0	No	Raster	500	
	No	16	50	1	0	No	vector	500	

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.

**LS900 IQ 60W:**

Plastics Laser									
	Thickness	Power	Speed	Passes	Focus	Air	Type	Dpi	Comments
Gravoply™ Laser	0,8 mm	19	100	1	0	No	Raster	500	
	0,8 mm	9	100	1	0	No	Vector	500	
	0,8 mm	35	40	1	0	Yes	Vect.Cut.	500	
	1,3 mm	23	100	1	0	No	Raster	500	
	1,3 mm	9	100	1	0	No	Vector	500	
	1,3 mm	45	30	1	0	Yes	Vect.Cut.	500	
	1,6 mm	19	100	1	0	No	Raster	500	
	1,6 mm	9	100	1	0	No	Vector	500	
Gravoply™ Ultra	0,5 mm	19	100	1	0	No	Raster	500	
	0,5 mm	9	100	1	0	No	Vector	500	
	0,5 mm	17	40	1	0	Yes	Vect.Cut.	500	
	1,6 mm	19	100	1	0	No	Raster	500	
	1,6 mm	9	100	1	0	No	Vector	500	
	1,6 mm	47	25	1	0	Yes	Vect.Cut.	500	
	2,4 mm	19	100	1	0	No	Raster	500	
	2,4 mm	9	100	1	0	No	Vector	500	
Gravoply™ 2	No	19	100	1	0	No	Raster	500	
	No	7	100	1	0	No	Vector	500	
Gravoglas™ 1	1,5 mm	33	90	1	0	No	Raster	500	Engraving below
	1,5 mm	10	40	1	0	No	Vector	500	Engraving below
	1,5 mm	23	18	1	0	Yes	Cutting	500	Leave a protection film
	3 mm	33	90	1	0	No	Raster	500	Engraving below
	3 mm	10	40	1	0	No	Vector	500	Engraving below
	3 mm	47	10	1	0	Yes	Cutting	500	Leave a protection film
	5 mm	33	90	1	0	No	Raster	500	Engraving below
	5 mm	10	40	1	0	No	Vector	500	Engraving below
Acrylic	3 mm	19	100	1	0	No	Raster	500	
	3 mm	10	100	1	0	No	Vector	500	
	3 mm	47	5	1	0	Yes	Cutting	500	Pin Table recommended
	5 mm	19	100	1	0	No	Raster	500	
	5 mm	10	100	1	0	No	Vector	500	
	5 mm	47	3	1	0	Yes	Cutting	500	Pin Table recommended
	10 mm	19	100	1	0	No	Raster	500	
	10 mm	10	100	1	0	No	Vector	500	
Gravotac™ Exterior	0,8 mm	19	37	1	0	Yes	Vect.Cut.	500	
	1,6 mm	47	27	1	0	Yes	Vect.Cut.	500	
	3,2 mm	47	9	1	0	Yes	Vect.Cut.	500	
Flexilase™	0,25 mm	18	100	1	0	No	Raster	500	Gravogrip use recommended for fixing
	0,25 mm	10	100	1	0	No	Vector	500	Gravogrip use recommended for fixing
	0,25 mm	18	35	1	0	Yes	Vect.Cut.	500	Gravogrip use recommended for fixing
Stickalase™	0,09 mm	17	100	1	0	No	Raster	500	Gravogrip use recommended for fixing
	0,09 mm	2	35	1	0	No	Vector	500	Gravogrip use recommended for fixing
	0,09 mm	4	35	1	0	Yes	Vect.Cut.	500	Gravogrip use recommended for fixing
Gravostrat™	No	19	30	1	0	No	Raster	500	
	No	10	100	1	0	No	Vector	500	
Rubbalase™	2,2 mm	60	20	1	0	No	Raster	500	
	2,2 mm			1	0	No	Vector	500	Unnecessary
	2,2 mm	100	10	1	0	Yes	Vect.Cut.	500	
	2,2 mm	47	10	1	0	Yes	Vect.Pnt.	500	

Metallics Laser									
	Thickness	Power	Speed	Passes	Focus	Air	Type	Dpi	Comments
Gravolase™ Metallics	0,5 mm	35	100	1	0	No	Raster	500	
	0,5 mm	9	100	1	0	No	Vector	500	
	0,5 mm	30	35	1	0	Yes	Vect. Cut.	500	
	1,6 mm	35	100	1	0	No	Raster	500	
	1,6 mm	9	100	1	0	No	Vector	500	
	1,6 mm	100	25	1	0	Yes	Vect. Cut.	500	
Metallex™	0,5 mm	40	100	1	0	No	Raster	500	
	0,5 mm	9	100	1	0	No	Vector	500	
	0,5 mm			1	0	Yes	Vect. Cut.	500	Impossible
	0,8 mm	40	100	1	0	No	Raster	500	
	0,8 mm	9	100	1	0	No	Vector	500	
	0,8 mm			1	0	Yes	Vect. Cut.	500	Impossible
	1,6 mm	40	100	1	0	No	Raster	500	
	1,6 mm	9	100	1	0	No	Vector	500	
	1,6 mm			1	0	Yes	Vect. Cut.	500	Impossible
	2,4 mm	40	100	1	0	No	Raster	500	
	2,4 mm	9	100	1	0	No	Vector	500	
	2,4 mm			1	0	Yes	Vect. Cut.	500	Impossible
Gravoxal™	No	100	50	1	0	No	Raster	500	
	No	30	100	1	0	No	vector	500	
Gravometall™	No	30	100	1	0	No	Raster	500	
	No	20	50	1	0	No	vector	500	
AlumaMark™	No	30	50	1	0	No	Raster	500	
	No	10	50	1	0	No	vector	500	
DuraBlack™	No	30	50	1	0	No	Raster	500	
	No	16	50	1	0	No	vector	500	

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.

**LS900 XP 60W:**

Plastics Laser									
	Thickness	Power	Speed	Passes	Focus	Air	Type	Dpi	Comments
Gravoply™ Laser	0,8 mm	19	100	1	0	No	Raster	500	
	0,8 mm	9	100	1	0	No	Vector	500	
	0,8 mm	33	40	1	0	Yes	Vect.Cut.	500	
	1,3 mm	23	100	1	0	No	Raster	500	
	1,3 mm	9	100	1	0	No	Vector	500	
	1,3 mm	45	30	1	0	Yes	Vect.Cut.	500	
	1,6 mm	19	100	1	0	No	Raster	500	
	1,6 mm	9	100	1	0	No	Vector	500	
Gravoply™ Ultra	0,5 mm	19	100	1	0	No	Raster	500	
	0,5 mm	9	100	1	0	No	Vector	500	
	0,5 mm	17	40	1	0	Yes	Vect.Cut.	500	
	1,6 mm	19	100	1	0	No	Raster	500	
	1,6 mm	9	100	1	0	No	Vector	500	
	1,6 mm	47	25	1	0	Yes	Vect.Cut.	500	
	2,4 mm	19	100	1	0	No	Raster	500	
	2,4 mm	7	100	1	0	No	Vector	500	
Gravoply™ 2	No	19	100	1	0	No	Raster	500	
	No	7	100	1	0	No	Vector	500	
Gravoglas™ 1	1,5 mm	33	90	1	0	No	Raster	500	Engraving below
	1,5 mm	10	40	1	0	No	Vector	500	Engraving below
	1,5 mm	23	18	1	0	Yes	Cutting	500	Leave a protection film
	3 mm	33	90	1	0	No	Raster	500	Engraving below
	3 mm	11	40	1	0	No	Vector	500	Engraving below
	3 mm	47	10	1	0	Yes	Cutting	500	Leave a protection film
	5 mm	33	90	1	0	No	Raster	500	Engraving below
	5 mm	11	40	1	0	No	Vector	500	Engraving below
Acrylic	3 mm	19	100	1	0	No	Raster	500	
	3 mm	10	100	1	0	No	Vector	500	
	3 mm	47	5	1	0	Yes	Cutting	500	Pin Table recommended
	5 mm	19	100	1	0	No	Raster	500	
	5 mm	10	100	1	0	No	Vector	500	
	5 mm	47	3	1	0	Yes	Cutting	500	Pin Table recommended
	10 mm	19	100	1	0	No	Raster	500	
	10 mm	10	100	1	0	No	Vector	500	
Gravotac™ Exterior	0,8 mm	19	37	1	0	Yes	Vect.Cut.	500	
	1,6 mm	47	27	1	0	Yes	Vect.Cut.	500	
	3,2 mm	47	9	1	0	Yes	Vect.Cut.	500	
Flexilase™	0,25 mm	18	100	1	0	No	Raster	500	Gravogrip use recommended for fixing
	0,25 mm	10	100	1	0	No	Vector	500	Gravogrip use recommended for fixing
	0,25 mm	18	35	1	0	Yes	Vect.Cut.	500	Gravogrip use recommended for fixing
Stickalase™	0,09 mm	17	100	1	0	No	Raster	500	
	0,09 mm	2	35	1	0	No	Vector	500	
	0,09 mm	4	35	1	0	Yes	Vect.Cut.	500	
Gravostrat™	No	19	30	1	0	No	Raster	500	
	No	10	100	1	0	No	Vector	500	
Rubbalase™	2,2 mm	60	20	1	0	No	Raster	500	
	2,2 mm			1	0	No	Vector	500	Unnecessary
	2,2 mm	100	10	1	0	Yes	Vect.Cut.	500	
	2,2 mm	47	10	1	0	Yes	Vect.Pnt.	500	

Metallics Laser									
	Thickness	Power	Speed	Passes	Focus	Air	Type	Dpi	Comments
Gravolase™ Metallics	0,5 mm	19	100	1	0	No	Raster	500	
	0,5 mm	9	100	1	0	No	Vector	500	
	0,5 mm	17	40	1	0	Yes	Vect. Cut.	500	
	1,6 mm	19	100	1	0	No	Raster	500	
	1,6 mm	9	100	1	0	No	Vector	500	
	1,6 mm	41	20	1	0	Yes	Vect. Cut.	500	
Metallex™	0,5 mm	19	100	1	0	No	Raster	500	
	0,5 mm	8	100	1	0	No	Vector	500	
	0,5 mm			1	0	Yes	Vect. Cut.	500	Impossible
	0,8 mm	19	100	1	0	No	Raster	500	
	0,8 mm	8	100	1	0	No	Vector	500	
	0,8 mm			1	0	Yes	Vect. Cut.	500	Impossible
	1,6 mm	19	100	1	0	No	Raster	500	
	1,6 mm	8	100	1	0	No	Vector	500	
	1,6 mm			1	0	Yes	Vect. Cut.	500	Impossible
	2,4 mm	19	100	1	0	No	Raster	500	
	2,4 mm	8	100	1	0	No	Vector	500	
	2,4 mm			1	0	Yes	Vect. Cut.	500	Impossible
Gravoxal™	No	47	50	1	0	No	Raster	500	
	No	19	100	1	0	No	vector	500	
Gravometall™	No	19	100	1	0	No	Raster	500	
	No	15	50	1	0	No	vector	500	
AlumaMark™	No	18	50	1	0	No	Raster	500	
	No	12	50	1	0	No	vector	500	
DuraBlack™	No	18	50	1	0	No	Raster	500	
	No	14	50	1	0	No	vector	500	

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 60W:**

Plastics Laser									
	Thickness	Power	Speed	Passes	Focus	Air	Type	Dpi	Comments
Gravoply™ Laser	0,8 mm	19	100	1	0	No	Raster	500	
	0,8 mm	9	100	1	0	No	Vector	500	
	0,8 mm	33	40	1	0	Yes	Vect.Cut.	500	
	1,3 mm	23	100	1	0	No	Raster	500	
	1,3 mm	9	100	1	0	No	Vector	500	
	1,3 mm	45	30	1	0	Yes	Vect.Cut.	500	
	1,6 mm	19	100	1	0	No	Raster	500	
	1,6 mm	9	100	1	0	No	Vector	500	
	1,6 mm	45	25	1	0	Yes	Vect.Cut.	500	
Gravoply™ Ultra	0,5 mm	19	100	1	0	No	Raster	500	
	0,5 mm	9	100	1	0	No	Vector	500	
	0,5 mm	17	40	1	0	Yes	Vect.Cut.	500	
	1,6 mm	19	100	1	0	No	Raster	500	
	1,6 mm	9	100	1	0	No	Vector	500	
	1,6 mm	47	25	1	0	Yes	Vect.Cut.	500	
	2,4 mm	19	100	1	0	No	Raster	500	
	2,4 mm	7	100	1	0	No	Vector	500	
	2,4 mm	47	10	1	0	Yes	Vect.Cut.	500	
Gravoply™ 2	No	19	100	1	0	No	Raster	500	
	No	7	100	1	0	No	Vector	500	
Gravoglas™ 1	1,5 mm	33	90	1	0	No	Raster	500	Engraving below
	1,5 mm	10	40	1	0	No	Vector	500	Engraving below
	1,5 mm	23	18	1	0	Yes	Cutting	500	Leave a protection film
	3 mm	33	90	1	0	No	Raster	500	Engraving below
	3 mm	11	40	1	0	No	Vector	500	Engraving below
	3 mm	47	10	1	0	Yes	Cutting	500	Leave a protection film
	5 mm	33	90	1	0	No	Raster	500	Engraving below
	5 mm	11	40	1	0	No	Vector	500	Engraving below
	5 mm	47	6	1	0	Yes	Cutting	500	Leave a protection film
Acrylic	3 mm	19	100	1	0	No	Raster	500	
	3 mm	10	100	1	0	No	Vector	500	
	3 mm	47	5	1	0	Yes	Cutting	500	Pin Table recommended
	5 mm	19	100	1	0	No	Raster	500	
	5 mm	10	100	1	0	No	Vector	500	
	5 mm	47	3	1	0	Yes	Cutting	500	Pin Table recommended
	10 mm	19	100	1	0	No	Raster	500	
	10 mm	10	100	1	0	No	Vector	500	
	10 mm	47	0,8	1	0	Yes	Cutting	500	Pin Table recommended
Gravotac™ Exterior	0,8 mm	19	37	1	0	Yes	Vect.Cut.	500	
	1,6 mm	47	27	1	0	Yes	Vect.Cut.	500	
	3,2 mm	47	9	1	0	Yes	Vect.Cut.	500	
Flexilase™	0,25 mm	18	100	1	0	No	Raster	500	Gravogrip use recommended for fixing
	0,25 mm	10	100	1	0	No	Vector	500	Gravogrip use recommended for fixing
	0,25 mm	18	35	1	0	Yes	Vect.Cut.	500	Gravogrip use recommended for fixing
Stickalase™	0,09 mm	17	100	1	0	No	Raster	500	
	0,09 mm	2	35	1	0	No	Vector	500	
	0,09 mm	4	35	1	0	Yes	Vect.Cut.	500	
Gravostrat™	No	19	30	1	0	No	Raster	500	
	No	10	100	1	0	No	Vector	500	
Rubbalase™	2,2 mm	60	20	1	0	No	Raster	500	
	2,2 mm			1	0	No	Vector	500	Unnecessary
	2,2 mm	100	10	1	0	Yes	Vect.Cut.	500	
	2,2 mm	47	10	1	0	Yes	Vect.Pnt.	500	

Metallics Laser									
	Thickness	Power	Speed	Passes	Focus	Air	Type	Dpi	Comments
Gravolase™ Metallics	0,5 mm	19	100	1	0	No	Raster	500	
	0,5 mm	9	100	1	0	No	Vector	500	
	0,5 mm	17	40	1	0	Yes	Vect. Cut.	500	
	1,6 mm	19	100	1	0	No	Raster	500	
	1,6 mm	9	100	1	0	No	Vector	500	
	1,6 mm	41	20	1	0	Yes	Vect. Cut.	500	
Metallex™	0,5 mm	19	100	1	0	No	Raster	500	
	0,5 mm	8	100	1	0	No	Vector	500	
	0,5 mm			1	0	Yes	Vect. Cut.	500	Impossible
	0,8 mm	19	100	1	0	No	Raster	500	
	0,8 mm	8	100	1	0	No	Vector	500	
	0,8 mm			1	0	Yes	Vect. Cut.	500	Impossible
	1,6 mm	19	100	1	0	No	Raster	500	
	1,6 mm	8	100	1	0	No	Vector	500	
	1,6 mm			1	0	Yes	Vect. Cut.	500	Impossible
	2,4 mm	19	100	1	0	No	Raster	500	
	2,4 mm	8	100	1	0	No	Vector	500	
	2,4 mm			1	0	Yes	Vect. Cut.	500	Impossible
Gravoxal™	No	47	50	1	0	No	Raster	500	
	No	19	100	1	0	No	vector	500	
Gravometall™	No	19	100	1	0	No	Raster	500	
	No	15	50	1	0	No	vector	500	
AlumaMark™	No	18	50	1	0	No	Raster	500	
	No	12	50	1	0	No	vector	500	
DuraBlack™	No	18	50	1	0	No	Raster	500	
	No	14	50	1	0	No	vector	500	

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.

**LS900 IQ 80W:**

Plastics Laser									
	Thickness	Power	Speed	Passes	Focus	Air	Type	Dpi	Comments
Gravoply™ Laser	0,8 mm	20	100	1	0	No	Raster	500	
	0,8 mm	9	100	1	0	No	Vector	500	
	0,8 mm	31	40	1	0	Yes	Vect.Cut.	500	
	1,3 mm	20	100	1	0	No	Raster	500	
	1,3 mm	9	100	1	0	No	Vector	500	
	1,3 mm	37	30	1	0	Yes	Vect.Cut.	500	
	1,6 mm	20	100	1	0	No	Raster	500	
	1,6 mm	9	100	1	0	No	Vector	500	
	1,6 mm	37	25	1	0	Yes	Vect.Cut.	500	
Gravoply™ Ultra	0,5 mm	20	100	1	0	No	Raster	500	
	0,5 mm	9	100	1	0	No	Vector	500	
	0,5 mm	18	40	1	0	Yes	Vect.Cut.	500	
	1,6 mm	20	100	1	0	No	Raster	500	
	1,6 mm	9	100	1	0	No	Vector	500	
	1,6 mm	38	25	1	0	Yes	Vect.Cut.	500	
	2,4 mm	20	100	1	0	No	Raster	500	
	2,4 mm	6	100	1	0	No	Vector	500	
	2,4 mm	38	10	1	0	Yes	Vect.Cut.	500	
Gravoply™ 2	No	20	100	1	0	No	Raster	500	
	No	6	100	1	0	No	Vector	500	
Gravoglas™ 1	1,5 mm	31	90	1	0	No	Raster	500	Engraving below
	1,5 mm	16	40	1	0	No	Vector	500	Engraving below
	1,5 mm	36	18	1	0	Yes	Cutting	500	Leave a protection film
	3 mm	31	90	1	0	No	Raster	500	Engraving below
	3 mm	16	40	1	0	No	Vector	500	Engraving below
	3 mm	38	10	1	0	Yes	Cutting	500	Leave a protection film
	5 mm	31	90	1	0	No	Raster	500	Engraving below
	5 mm	16	40	1	0	No	Vector	500	Engraving below
	5 mm	38	6	1	0	Yes	Cutting	500	Leave a protection film
Acrylic	3 mm	20	100	1	0	No	Raster	500	
	3 mm	9	100	1	0	No	Vector	500	
	3 mm	38	5	1	0	Yes	Cutting	500	Pin Table recommended
	5 mm	20	100	1	0	No	Raster	500	
	5 mm	9	100	1	0	No	Vector	500	
	5 mm	38	3	1	0	Yes	Cutting	500	Pin Table recommended
	10 mm	20	100	1	0	No	Raster	500	
	10 mm	9	100	1	0	No	Vector	500	
	10 mm	38	0,8	1	0	Yes	Cutting	500	Pin Table recommended
Gravotac™ Exterior	0,8 mm	20	37	1	0	Yes	Vect.Cut.	500	
	1,6 mm	38	27	1	0	Yes	Vect.Cut.	500	
	3,2 mm	38	9	1	0	Yes	Vect.Cut.	500	
Flexilase™	0,25 mm	19	100	1	0	No	Raster	500	Gravogrip use recommended for fixing
	0,25 mm	9	100	1	0	No	Vector	500	Gravogrip use recommended for fixing
	0,25 mm	19	35	1	0	Yes	Vect.Cut.	500	Gravogrip use recommended for fixing
Stickalase™	0,09 mm	18	100	1	0	No	Raster	500	Gravogrip use recommended for fixing
	0,09 mm	2	50	1	0	No	Vector	500	Gravogrip use recommended for fixing
	0,09 mm	4	50	1	0	Yes	Vect.Cut.	500	Gravogrip use recommended for fixing
Gravostrat™	No	20	30	1	0	No	Raster	500	
	No	20	30	1	0	No	Vector	500	
Rubbalase™	2,2 mm	38	19	1	0	No	Raster	500	
	2,2 mm			1	0	No	Vector	500	Unnecessary
	2,2 mm	38	10	1	0	Yes	Vect.Cut.	500	
	2,2 mm	38	10	1	0	Yes	Vect.Pnt.	500	

Metallics Laser									
	Thickness	Power	Speed	Passes	Focus	Air	Type	Dpi	Comments
Gravolase™ Metallics	0,5 mm	20	100	1	0	No	Raster	500	
	0,5 mm	9	100	1	0	No	Vector	500	
	0,5 mm	17	40	1	0	Yes	Vect. Cut.	500	
	1,6 mm	20	100	1	0	No	Raster	500	
	1,6 mm	9	100	1	0	No	Vector	500	
	1,6 mm	36	20	1	0	Yes	Vect. Cut.	500	
Metallex™	0,5 mm	20	100	1	0	No	Raster	500	
	0,5 mm	8	100	1	0	No	Vector	500	
	0,5 mm			1	0	Yes	Vect. Cut.	500	Impossible
	0,8 mm	20	100	1	0	No	Raster	500	
	0,8 mm	8	100	1	0	No	Vector	500	
	0,8 mm			1	0	Yes	Vect. Cut.	500	Impossible
	1,6 mm	20	100	1	0	No	Raster	500	
	1,6 mm	8	100	1	0	No	Vector	500	
	1,6 mm			1	0	Yes	Vect. Cut.	500	Impossible
	2,4 mm	20	100	1	0	No	Raster	500	
	2,4 mm	8	100	1	0	No	Vector	500	
	2,4 mm			1	0	Yes	Vect. Cut.	500	Impossible
Gravoxal™	No	38	50	1	0	No	Raster	500	
	No	20	50	1	0	No	vector	500	
Gravometall™	No	20	100	1	0	No	Raster	500	
	No	15	50	1	0	No	vector	500	
AlumaMark™	No	19	50	1	0	No	Raster	500	
	No	9	50	1	0	No	vector	500	
DuraBlack™	No	15	50	1	0	No	Raster	500	
	No	11	50	1	0	No	vector	500	

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.

**LS900 XP 80W:**

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	7	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	7	100	1	0	No	Vector	500	
	1,3 mm	90	40	1	0	Yes	Vect.Cut.	500	
	1,6 mm	30	100	1	0	No	Raster	500	
	1,6 mm	7	100	1	0	No	Vector	500	
	1,6 mm	50	20	1	0	Yes	Vect.Cut.	500	
Gravoply™ Ultra	0,5 mm	30	100	1	0	No	Raster	500	
	0,5 mm	7	100	1	0	No	Vector	500	
	0,5 mm	15	40	1	0	Yes	Vect.Cut.	500	
	1,6 mm	30	100	1	0	No	Raster	500	
	1,6 mm	7	100	1	0	No	Vector	500	
	1,6 mm	100	40	1	0	Yes	Vect.Cut.	500	
	2,4 mm	30	100	1	0	No	Raster	500	
	2,4 mm	7	100	1	0	No	Vector	500	
Gravoply™ 2	No	30	100	1	0	No	Raster	500	
	No	7	100	1	0	No	Vector	500	
Gravoglas™ 1	1,5 mm	60	90	1	0	No	Raster	500	Engraving below
	1,5 mm	20	100	1	0	No	Vector	500	Engraving below
	1,5 mm	62	10	1	0	Yes	Cutting	500	Leave a protection film
	3 mm	60	90	1	0	No	Raster	500	Engraving below
	3 mm	20	100	1	0	No	Vector	500	Engraving below
	3 mm	62	6	1	0	Yes	Cutting	500	Leave a protection film
	5 mm	60	90	1	0	No	Raster	500	Engraving below
	5 mm	20	100	1	0	No	Vector	500	Engraving below
	5 mm	50	3	1	0	Yes	Cutting	500	Leave a protection film
Acrylic	3 mm	30	100	1	0	No	Raster	500	
	3 mm	10	100	1	0	No	Vector	500	
	3 mm	50	6	1	0	Yes	Cutting	500	Pin Table recommended
	5 mm	30	100	1	0	No	Raster	500	
	5 mm	10	100	1	0	No	Vector	500	
	5 mm	50	3	1	0	Yes	Cutting	500	Pin Table recommended
	10 mm	30	100	1	0	No	Raster	500	
	10 mm	10	100	1	0	No	Vector	500	
	10 mm	70	1,6	1	0	Yes	Cutting	500	Pin Table recommended
Gravotac™ Exterior	0,8 mm	40	40	1	0	Yes	Vect.Cut.	500	
	1,6 mm	90	40	1	0	Yes	Vect.Cut.	500	
	3,2 mm	90	20	1	0	Yes	Vect.Cut.	500	
Flexilase™	0,25 mm	27	100	1	0	No	Raster	500	Gravogrip use recommended for fixing
	0,25 mm	7	100	1	0	No	Vector	500	Gravogrip use recommended for fixing
	0,25 mm	25	50	1	0	Yes	Vect.Cut.	500	Gravogrip use recommended for fixing
Stickalase™	0,09 mm	20	100	1	0	No	Raster	500	
	0,09 mm	5	100	1	0	No	Vector	500	
	0,09 mm	3	50	1	0	Yes	Vect.Cut.	500	
Gravostrat™	No	20	30	1	0	No	Raster	500	
	No	7	100	1	0	No	Vector	500	
Rubbalase™	2,2 mm	50	20	1	0	No	Raster	500	
	2,2 mm	62,5	100	1	0	No	Vector	500	
	2,2 mm	100	17	1	0	Yes	Vect.Cut.	500	
	2,2 mm	100	3	1	0	Yes	Vect.Pnt.	500	

Metallics Laser									
	Thickness	Power	Speed	Passes	Focus	Air	Type	Dpi	Comments
Gravolase™ Metallics	0,5 mm	27	100	1	0	No	Raster	500	
	0,5 mm	7	100	1	0	No	Vector	500	
	0,5 mm	25	40	1	0	Yes	Vect. Cut.	500	
	1,6 mm	27	100	1	0	No	Raster	500	
	1,6 mm	7	100	1	0	No	Vector	500	
	1,6 mm	100	40	1	0	Yes	Vect. Cut.	500	
Metallex™	0,5 mm	40	100	1	0	No	Raster	500	
	0,5 mm	9	100	1	0	No	Vector	500	
	0,5 mm			1	0	Yes	Vect. Cut.	500	Impossible
	0,8 mm	40	100	1	0	No	Raster	500	
	0,8 mm	9	100	1	0	No	Vector	500	
	0,8 mm			1	0	Yes	Vect. Cut.	500	Impossible
	1,6 mm	40	100	1	0	No	Raster	500	
	1,6 mm	9	100	1	0	No	Vector	500	
	1,6 mm			1	0	Yes	Vect. Cut.	500	Impossible
	2,4 mm	40	100	1	0	No	Raster	500	
	2,4 mm	9	100	1	0	No	Vector	500	
	2,4 mm			1	0	Yes	Vect. Cut.	500	Impossible
Gravoxal™	No	40	90	1	0	No	Raster	500	
	No	10	100	1	0	No	vector	500	
Gravometall™	No	25	100	1	0	No	Raster	500	
	No	10	100	1	0	No	vector	500	
AlumaMark™	No	30	90	1	0	No	Raster	500	
	No	10	100	1	0	No	vector	500	
DuraBlack™	No	40	100	1	0	No	Raster	500	
	No	10	100	1	0	No	vector	500	

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 80W:**

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	7	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	7	100	1	0	No	Vector	500	
	1,3 mm	90	40	1	0	Yes	Vect.Cut.	500	
	1,6 mm	30	100	1	0	No	Raster	500	
	1,6 mm	7	100	1	0	No	Vector	500	
	1,6 mm	50	20	1	0	Yes	Vect.Cut.	500	
Gravoply™ Ultra	0,5 mm	30	100	1	0	No	Raster	500	
	0,5 mm	7	100	1	0	No	Vector	500	
	0,5 mm	15	40	1	0	Yes	Vect.Cut.	500	
	1,6 mm	30	100	1	0	No	Raster	500	
	1,6 mm	7	100	1	0	No	Vector	500	
	1,6 mm	100	40	1	0	Yes	Vect.Cut.	500	
	2,4 mm	30	100	1	0	No	Raster	500	
	2,4 mm	7	100	1	0	No	Vector	500	
	2,4 mm	100	25	1	0	Yes	Vect.Cut.	500	
Gravoply™ 2	No	30	100	1	0	No	Raster	500	
	No	7	100	1	0	No	Vector	500	
Gravoglas™ 1	1,5 mm	60	90	1	0	No	Raster	500	Engraving below
	1,5 mm	20	100	1	0	No	Vector	500	Engraving below
	1,5 mm	62	10	1	0	Yes	Cutting	500	Leave a protection film
	3 mm	60	90	1	0	No	Raster	500	Engraving below
	3 mm	20	100	1	0	No	Vector	500	Engraving below
	3 mm	62	6	1	0	Yes	Cutting	500	Leave a protection film
	5 mm	60	90	1	0	No	Raster	500	Engraving below
	5 mm	20	100	1	0	No	Vector	500	Engraving below
	5 mm	50	3	1	0	Yes	Cutting	500	Leave a protection film
Acrylic	3 mm	30	100	1	0	No	Raster	500	
	3 mm	10	100	1	0	No	Vector	500	
	3 mm	50	6	1	0	Yes	Cutting	500	Pin Table recommended
	5 mm	30	100	1	0	No	Raster	500	
	5 mm	10	100	1	0	No	Vector	500	
	5 mm	50	3	1	0	Yes	Cutting	500	Pin Table recommended
	10 mm	30	100	1	0	No	Raster	500	
	10 mm	10	100	1	0	No	Vector	500	
	10 mm	70	1,6	1	0	Yes	Cutting	500	Pin Table recommended
Gravotac™ Exterior	0,8 mm	40	40	1	0	Yes	Vect.Cut.	500	
	1,6 mm	90	40	1	0	Yes	Vect.Cut.	500	
	3,2 mm	90	20	1	0	Yes	Vect.Cut.	500	
Flexilase™	0,25 mm	27	100	1	0	No	Raster	500	Gravogrip use recommended for fixing
	0,25 mm	7	100	1	0	No	Vector	500	Gravogrip use recommended for fixing
	0,25 mm	25	50	1	0	Yes	Vect.Cut.	500	Gravogrip use recommended for fixing
Stickalase™	0,09 mm	20	100	1	0	No	Raster	500	
	0,09 mm	5	100	1	0	No	Vector	500	
	0,09 mm	3	50	1	0	Yes	Vect.Cut.	500	
Gravostrat™	No	20	30	1	0	No	Raster	500	
	No	7	100	1	0	No	Vector	500	
Rubbalase™	2,2 mm	50	20	1	0	No	Raster	500	
	2,2 mm	62,5	100	1	0	No	Vector	500	
	2,2 mm	100	17	1	0	Yes	Vect.Cut.	500	
	2,2 mm	100	3	1	0	Yes	Vect.Pnt.	500	

Metallics Laser									
	Thickness	Power	Speed	Passes	Focus	Air	Type	Dpi	Comments
Gravolase™ Metallics	0,5 mm	27	100	1	0	No	Raster	500	
	0,5 mm	7	100	1	0	No	Vector	500	
	0,5 mm	25	40	1	0	Yes	Vect. Cut.	500	
	1,6 mm	27	100	1	0	No	Raster	500	
	1,6 mm	7	100	1	0	No	Vector	500	
	1,6 mm	100	40	1	0	Yes	Vect. Cut.	500	
Metallex™	0,5 mm	40	100	1	0	No	Raster	500	
	0,5 mm	9	100	1	0	No	Vector	500	
	0,5 mm			1	0	Yes	Vect. Cut.	500	Impossible
	0,8 mm	40	100	1	0	No	Raster	500	
	0,8 mm	9	100	1	0	No	Vector	500	
	0,8 mm			1	0	Yes	Vect. Cut.	500	Impossible
	1,6 mm	40	100	1	0	No	Raster	500	
	1,6 mm	9	100	1	0	No	Vector	500	
	1,6 mm			1	0	Yes	Vect. Cut.	500	Impossible
	2,4 mm	40	100	1	0	No	Raster	500	
	2,4 mm	9	100	1	0	No	Vector	500	
	2,4 mm			1	0	Yes	Vect. Cut.	500	Impossible
Gravoxal™	No	40	90	1	0	No	Raster	500	
	No	10	100	1	0	No	vector	500	
Gravometall™	No	25	100	1	0	No	Raster	500	
	No	10	100	1	0	No	vector	500	
AlumaMark™	No	30	90	1	0	No	Raster	500	
	No	10	100	1	0	No	vector	500	
DuraBlack™	No	40	100	1	0	No	Raster	500	
	No	10	100	1	0	No	vector	500	

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 100W:**

Plastics Laser									
	Thickness	Power	Speed	Passes	Focus	Air	Type	Dpi	Comments
Gravoply™ Laser	0,8 mm	17	100	1	0	No	Raster	500	
	0,8 mm	9	100	1	0	No	Vector	500	
	0,8 mm	19	40	1	0	Yes	Vect.Cut.	500	
	1,3 mm	17	100	1	0	No	Raster	500	
	1,3 mm	9	100	1	0	No	Vector	500	
	1,3 mm	28	40	1	0	Yes	Vect.Cut.	500	
	1,6 mm	17	100	1	0	No	Raster	500	
	1,6 mm	9	100	1	0	No	Vector	500	
	1,6 mm	30	35	1	0	Yes	Vect.Cut.	500	
Gravoply™ Ultra	0,5 mm	17	100	1	0	No	Raster	500	
	0,5 mm	9	100	1	0	No	Vector	500	
	0,5 mm	55	100	1	0	Yes	Vect.Cut.	500	
	1,6 mm	17	100	1	0	No	Raster	500	
	1,6 mm	9	100	1	0	No	Vector	500	
	1,6 mm	30	40	1	0	Yes	Vect.Cut.	500	
	2,4 mm	17	100	1	0	No	Raster	500	
	2,4 mm	9	100	1	0	No	Vector	500	
	2,4 mm	40	45	1	0	Yes	Vect.Cut.	500	
Gravoply™ 2	No	18	100	1	0	No	Raster	500	
	No	6	100	1	0	No	Vector	500	
Gravoglas™ 1	1,5 mm	19	100	1	0	No	Raster	500	Engraving below
	1,5 mm	7	100	1	0	No	Vector	500	Engraving below
	1,5 mm	27	18	1	0	Yes	Cutting	500	Leave a protection film
	3 mm	19	100	1	0	No	Raster	500	Engraving below
	3 mm	7	100	1	0	No	Vector	500	Engraving below
	3 mm	30	5	1	0	Yes	Cutting	500	Leave a protection film
	5 mm	19	100	1	0	No	Raster	500	Engraving below
	5 mm	7	100	1	0	No	Vector	500	Engraving below
	5 mm	28	1	1	0	Yes	Cutting	500	Leave a protection film
Acrylic	3 mm	19	100	1	0	No	Raster	500	
	3 mm	7	100	1	0	No	Vector	500	
	3 mm	24	5	1	0	Yes	Cutting	500	Pin Table recommended
	5 mm	19	100	1	0	No	Raster	500	
	5 mm	7	100	1	0	No	Vector	500	
	5 mm	24	3	1	0	Yes	Cutting	500	Pin Table recommended
	10 mm	30	100	1	0	No	Raster	500	
	10 mm	7	100	1	0	No	Vector	500	
	10 mm	24	1,1	1	0	Yes	Cutting	500	Pin Table recommended
Gravotac™ Exterior	0,8 mm	25	40	1	0	Yes	Vect.Cut.	500	
	1,6 mm	35	40	1	0	Yes	Vect.Cut.	500	
	3,2 mm	35	10	1	0	Yes	Vect.Cut.	500	
Flexilase™	0,25 mm	16	100	1	0	No	Raster	500	Gravogrip use recommended for fixing
	0,25 mm	7	100	1	0	No	Vector	500	Gravogrip use recommended for fixing
	0,25 mm	15	40	1	0	Yes	Vect.Cut.	500	Gravogrip use recommended for fixing
Stickalase™	0,09 mm	12	100	1	0	No	Raster	500	
	0,09 mm	1	75	1	0	No	Vector	500	
	0,09 mm	6	80	1	0	Yes	Vect.Cut.	500	
Gravostrat™	No	10	30	1	0	No	Raster	500	
	No	15	25	1	0	No	Vector	500	
Rubbalase™	2,2 mm	66	50	1	0	No	Raster	500	
	2,2 mm	20	100	1	0	No	Vector	500	
	2,2 mm	30	15	1	0	Yes	Vect.Cut.	500	
	2,2 mm	30	15	1	0	Yes	Vect.Pnt.	500	

Metallics Laser									
	Thickness	Power	Speed	Passes	Focus	Air	Type	Dpi	Comments
Gravolase™ Metallics	0,5 mm	17	100	1	0	No	Raster	500	
	0,5 mm	9	100	1	0	No	Vector	500	
	0,5 mm	30	35	1	0	Yes	Vect. Cut.	500	
	1,6 mm	17	100	1	0	No	Raster	500	
	1,6 mm	8	100	1	0	No	Vector	500	
	1,6 mm	30	30	1	0	Yes	Vect. Cut.	500	
Metallex™	0,5 mm	18	100	1	0	No	Raster	500	
	0,5 mm	6	100	1	0	No	Vector	500	
	0,5 mm			1	0	Yes	Vect. Cut.	500	Impossible
	0,8 mm	18	100	1	0	No	Raster	500	
	0,8 mm	6	100	1	0	No	Vector	500	
	0,8 mm			1	0	Yes	Vect. Cut.	500	Impossible
	1,6 mm	18	100	1	0	No	Raster	500	
	1,6 mm	6	100	1	0	No	Vector	500	
	1,6 mm			1	0	Yes	Vect. Cut.	500	Impossible
	2,4 mm	18	100	1	0	No	Raster	500	
	2,4 mm	6	100	1	0	No	Vector	500	
	2,4 mm			1	0	Yes	Vect. Cut.	500	Impossible
Gravoxal™	No	35	75	1	0	No	Raster	500	
	No	15	50	1	0	No	vector	500	
Gravometall™	No	20	100	1	0	No	Raster	500	
	No	8	100	1	0	No	vector	500	
AlumaMark™	No	25	100	1	0	No	Raster	500	
	No	7	50	1	0	No	vector	500	
DuraBlack™	No	15	100	1	0	No	Raster	500	
	No	15	50	1	0	No	vector	500	

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	
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	
Gravoply™ 2	No	30	100	1	0	No	Raster	500	
	No	10	100	1	0	No	Vector	500	
Gravoglas™ 1	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
	3 mm	30	100	1	0	No	Raster	500	Engraving below
	3 mm	7	100	1	0	No	Vector	500	Engraving below
	3 mm	30	5	1	0	Yes	Cutting	500	Leave a protection film
	5 mm	30	100	1	0	No	Raster	500	Engraving below
	5 mm	7	100	1	0	No	Vector	500	Engraving below
	5 mm	30	2,8	1	0	Yes	Cutting	500	Leave a protection film
Acrylic	3 mm	35	100	1	0	No	Raster	500	
	3 mm	5	100	1	0	No	Vector	500	
	3 mm	30	5	1	0	Yes	Cutting	500	42 kHz, Pin Table recommended
	5 mm	35	100	1	0	No	Raster	500	
	5 mm	5	100	1	0	No	Vector	500	
	5 mm	30	2,8	1	0	Yes	Cutting	500	42 kHz, Pin Table recommended
	10 mm	35	100	1	0	No	Raster	500	
	10 mm	5	100	1	0	No	Vector	500	
	10 mm	30	1,4	1	0	Yes	Cutting	500	42 kHz, Pin Table recommended
	20 mm	35	100	1	0	No	Raster	500	
	20 mm	5	100	1	0	No	Vector	500	
	20 mm	60	1	1	0	Yes	Cutting	500	42 kHz, Pin table recommended
	30 mm	35	100	1	0	No	Raster	500	
30 mm	5	100	1	0	No	Vector	500		
30 mm	98	1	1	0	Yes	Cutting	500	42 kHz, Pin Table recommended	
Gravotac™ Exterior	0,8 mm	40	40	1	0	Yes	Vect.Cut.	500	
	1,6 mm	90	40	1	0	Yes	Vect.Cut.	500	
	3,2 mm	90	20	1	0	Yes	Vect.Cut.	500	
Flexilase™	0,25 mm	25	100	1	0	No	Raster	500	Gravogrip use recommended for fixing
	0,25 mm	5	100	1	0	No	Vector	500	Gravogrip use recommended for fixing
	0,25 mm	16	50	1	0	Yes	Vect.Cut.	500	Gravogrip use recommended for fixing
Stickalase™	0,09 mm	18	100	1	0	No	Raster	500	
	0,09 mm	3	100	1	0	No	Vector	500	
	0,09 mm	10	80	1	0	Yes	Vect.Cut.	500	
Gravostat™	No	10	30	1	0	No	Raster	500	
	No	4	100	1	0	No	Vector	500	
Rubbalase™	2,2 mm	100	50	1	0	No	Raster	500	
	2,2 mm	30	100	1	0	No	Vector	500	
	2,2 mm	65	17	1	0	Yes	Vect.Cut.	500	
	2,2 mm	100	10	1	0	Yes	Vect.Pnt.	500	

Metallics Laser	 Thickness	 Power	 Speed	 Passes	 Focus	 Air	 Type	 Dpi	 Comments
Gravolase™ Metallics	0,5 mm	25	100	1	0	No	Raster	500	
	0,5 mm	5	100	1	0	No	Vector	500	
	0,5 mm	15	40	1	0	Yes	Vect. Cut.	500	
	1,6 mm	25	100	1	0	No	Raster	500	
	1,6 mm	9	100	1	0	No	Vector	500	
	1,6 mm	50	40	1	0	Yes	Vect. Cut.	500	
Metallex™	0,5 mm	30	100	1	0	No	Raster	500	
	0,5 mm	10	100	1	0	No	Vector	500	
	0,5 mm			1	0	Yes	Vect. Cut.	500	Impossible
	0,8 mm	30	100	1	0	No	Raster	500	
	0,8 mm	10	100	1	0	No	Vector	500	
	0,8 mm			1	0	Yes	Vect. Cut.	500	Impossible
	1,6 mm	30	100	1	0	No	Raster	500	
	1,6 mm	10	100	1	0	No	Vector	500	
	1,6 mm			1	0	Yes	Vect. Cut.	500	Impossible
	2,4 mm	30	100	1	0	No	Raster	500	
Gravoxal™	No	30	100	1	0	No	Raster	500	
	No	15	100	1	0	No	vector	500	
GravometalI™	No	40	100	1	0	No	Raster	500	
	No	10	100	1	0	No	vector	500	
AlumaMark™	No	30	100	1	0	No	Raster	500	
	No	3	100	1	0	No	vector	500	
DuraBlack™	No	20	100	1	0	No	Raster	500	
	No	3	100	1	0	No	vector	500	