



trotec

**Laser Applications
Manual for Demos**

ENGRAVING ON TROLASE PLASTICS

Instructions:

- Remove material protector before performing the engraving.
- Perform the engraving.
- Verify the parameters.
- Verify that the engraving is properly done.
- Remove the workpiece.
- Have some degreaser and flannel on hand to clean the material, but only if necessary.

In this demonstration, we will ensure that the customer sees the machine's ability to perform the process with good quality on double-layered material

Material	Thickness	Color	Dimensions	Name of file
Double-layered plastic	1.8 mm	Silver, black background Gold, black background	90 mm × 90 mm	Signage



Parameters Q400-100 Watts Tube DC

Process	Layers	Power	Speed	DPI/Hz	Passes	Air assist	Z offset	Direction	Advanced
Engraving	■	25%	40%	1000 DPI	1	Low or off		Bottom up	High quality
Cutting	■	30%	.7%	10000 Hz	1	Low or off	0 mm		– Correction 20 – Accuracy

Parameters Q500-120 Watts Tube DC

Process	Layers	Power	Speed	DPI/Hz	Passes	Air assist	Z offset	Direction	Advanced
Engraving	■	20%	40%	1000 DPI	1	Low or off	1 mm	Bottom up	High quality
Cutting	■	30%	.7%	10000 Hz	1	Low or off	0 mm		– Correction 20 – Accuracy

Parameters Speedy 50 – 30 watts

Process	Layers	Power	Speed	DPI/Hz	Passes	Air assist	Z offset	Direction	Advanced
Engraving	■	60%	80%	1000 DPI	1	Low or off	1 mm	Bottom up	High quality
Cutting	■	40%	.8%	10000 Hz	1	Low or off	0 mm		– Correction 10 – Accuracy

Parameters Speedy 100 – 60 watts

Process	Layers	Power	Speed	DPI/Hz	Passes	Air assist	Z offset	Direction	Advanced
Engraving	■	65%	70%	1000 DPI	1	Low or off	1 mm	Bottom up	High quality
Cutting	■	40%	.8%	10000 Hz	1	Low or off	0 mm		– Correction 10 – Accuracy

Parameters Speedy 300 – 80 watts

Process	Layers	Power	Speed	DPI/Hz	Passes	Air assist	Z offset	Direction	Advanced
Engraving	■	50%	70%	1000 DPI	1	Low or off	1 mm	Bottom up	High quality
Cutting	■	30%	.8%	10000 Hz	1	Low or off	0 mm		– Correction 10 – Accuracy

Parameters Speedy 400 – 100 watts

Process	Layers	Power	Speed	DPI/Hz	Passes	Air assist	Z offset	Direction	Advanced
Engraving	■	40%	70%	1000 DPI	1	Low or off	1 mm	Bottom up	High quality
Cutting	■	30%	.8%	10000 Hz	1	Low or off	0 mm		– Correction 10 – Accuracy

ENGRAVING ON NATURAL OR VENEERED WOOD

Instructions:

- Verify the parameters,
- Perform the engraving
- Verify that the engraving is properly done,
- Remove the workpiece,
- Have some degreaser and flannel on hand to clean the material, but only if necessary

In this demonstration, we will ensure that the customer sees the machine's ability to perform engraving on wood with very fine details and good contrast.



Material	Thickness	Color	Dimensions	Name of file
solid wood or MDF veneer	3 mm max.	any finish	90 mm x 90 mm	wood engraving

Parameters Q400-100 Watts Tube DC

Process	Layers	Power	Speed	DPI/Hz	Passes	Air assist	Z offset	Direction	Advanced
Engraving	■	35%	40%	1000 DPI	1	Low or off		Bottom up	High quality
Cutting	■	90%	1.5%	10000 Hz	1	Low or off	0 mm		- Correction 20 - Accuracy

Parameters Q500-120 Watts Tube DC

Process	Layers	Power	Speed	DPI/Hz	Passes	Air assist	Z offset	Direction	Advanced
Engraving	■	30%	40%	1000 DPI	1	Low or off	1 mm	Bottom up	High quality
Cutting	■	90%	1.5%	10000 Hz	1	Low or off	0 mm		- Correction 20 - Accuracy

Parameters Speedy 50 – 30 watts

Process	Layers	Power	Speed	DPI/Hz	Passes	Air assist	Z offset	Direction	Advanced
Engraving	■	80%	30%	1000 DPI	1	Low or off	1 mm	Bottom up	High quality
Cutting	■	90%	1.2%	10000 Hz	1	Low or off	0 mm		- Correction 10 - Accuracy

Parameters Speedy 100 – 60 watts

Process	Layers	Power	Speed	DPI/Hz	Passes	Air assist	Z offset	Direction	Advanced
Engraving	■	85%	30%	1000 DPI	1	Low or off	1 mm	Bottom up	High quality –
Cutting	■	90%	1.3%	10000 Hz	1	Low or off	0 mm		– Correction 10 – Accuracy

Parameters Speedy 300 – 80 watts

Process	Layers	Power	Speed	DPI/Hz	Passes	Air assist	Z offset	Direction	Advanced
Engraving	■	70%	70%	1000 DPI	1	Low or off	1 mm	Bottom up	High quality
Cutting	■	95%	1.5%	10000 Hz	1	Low or off	0 mm		– Correction 10 – Accuracy

Parameters Speedy 400 – 100 watts

Process	Layers	Power	Speed	DPI/Hz	Passes	Air assist	Z offset	Direction	Advanced
Engraving	■	70%	80%	1000 DPI	1	Low or off	1 mm	Bottom up	High quality
Cutting	■	95%	1.7%	10000 Hz	1	Low or off	0 mm		– Correction 10 – Accuracy

ACRYLIC GLASS ENGRAVING AND CUTTING

Instructions:

- Remove protector
- Perform the engraving.
- Verify the parameters,
- Verify that the engraving is properly done,
- Remove the workpiece,
- Have some degreaser and flannel on hand to clean the material, but only if necessary

In this demonstration, we will ensure that the customer sees the machine's ability to perform engraving and cutting of acrylic glass.



Material	Thickness	Color	Dimensions	Name of file
Acrylic glass	3 mm max.	Solid color	90 mm x 90 mm	Acrylic glass engraving and cutting

Parameters Q400-100 Watts Tube DC

Process	Layers	Power	Speed	DPI/Hz	Passes	Air assist	Z offset	Direction	Advanced
Engraving	■	15%	40%	1000 DPI	1	Low or off		Bottom up	High quality
Cutting	■	95%	1.5%	10000 Hz	1	Low or off	0 mm		- Correction 20 - Accuracy

Parameters Q500-120 Watts Tube DC

Process	Layers	Power	Speed	DPI/Hz	Passes	Air assist	Z offset	Direction	Advanced
Engraving	■	15%	40%	1000 DPI	1	Low or off	0 mm	Bottom up	High quality
Cutting	■	90%	1.5%	10000 Hz	1	Low or off	0 mm		- Correction 20 - Accuracy

Parameters Speedy 50 – 30 watts

Process	Layers	Power	Speed	DPI/Hz	Passes	Air assist	Z offset	Direction	Advanced
Engraving	■	30%	50%	1000 DPI	1	Low or off	0 mm	Bottom up	High quality
Cutting	■	90%	1.2%	30000 Hz	1	Low or off	0 mm		- Correction 10 - Accuracy

Parameters Speedy 100 – 60 watts

Process	Layers	Power	Speed	DPI/Hz	Passes	Air assist	Z offset	Direction	Advanced
Engraving	■	85%	30%	1000 DPI	1	Low or off	0 mm	Bottom up	High quality –
Cutting	■	90%	1.3%	30000 Hz	1	Low or off	0 mm		– Correction 10 – Accuracy

Parameters Speedy 300 – 80 watts

Process	Layers	Power	Speed	DPI/Hz	Passes	Air assist	Z offset	Direction	Advanced
Engraving	■	30%	70%	1000 DPI	1	Low or off	0 mm	Bottom up	High quality
Cutting	■	95%	1.5%	30000 Hz	1	Low or off	0 mm		– Correction 10 – Accuracy

Parameters Speedy 400 – 100 watts

Process	Layers	Power	Speed	DPI/Hz	Passes	Air assist	Z offset	Direction	Advanced
Engraving	■	30%	80%	1000 DPI	1	Low or off	0 mm	Bottom up	High quality
Cutting	■	95%	1.7%	30000 Hz	1	Low or off	0 mm		– Correction 10 – Accuracy

RUBBER STAMP ENGRAVING

Instructions:

- Select the process option: Stamp
- Perform engraving
- Verify the parameters,
- Verify that the engraving is properly done,
- Remove the workpiece,
- Have at hand some brush, soap, water, place to wash and flannel to clean material.

In this demonstration, we will ensure that the customer sees the machine's ability to produce stamps at reliably optimum quality.



Material	Thickness	Color	Dimensions	Name of file
Double-layered plastic	3 mm max.	Any finish	90 mm x 90 mm	Rubber engraving

Parameters Q400-100 Watts Tube DC

Process	Layers	Power	Speed	DPI/Hz	Passes	Air assist	Z offset	Direction	Advanced
Engraving	■	90%	15%	1000 DPI	1	Max		Top down	High quality
Cutting	■	95%	1.5%	10000 Hz	1	Max	0 mm		- Correction 20 - Accuracy

Parameters Q500-120 Watts Tube DC

Process	Layers	Power	Speed	DPI/Hz	Passes	Air assist	Z offset	Direction	Advanced
Engraving	■	90%	15%	1000 DPI	1	Max	0 mm	Top down	High quality
Cutting	■	90%	1.5%	10000 Hz	1	Max	0 mm		- Correction 20 - Accuracy

Parameters Speedy 50 – 30 watts

Process	Layers	Power	Speed	DPI/Hz	Passes	Air assist	Z offset	Direction	Advanced
Engraving	■	95%	10%	1000 DPI	1	Max	0 mm	Top down	High quality
Cutting	■	90%	1%	10000 Hz	1	Max	0 mm		- Correction 10 - Accuracy

Parameters Speedy 100 – 60 watts

Process	Layers	Power	Speed	DPI/Hz	Passes	Air assist	Z offset	Direction	Advanced
Engraving	■	90%	12%	1000 DPI	1	Max	0 mm	Top down	High quality
Cutting	■	90%	1.3%						

Parameters Speedy 300 – 80 watts

Process	Layers	Power	Speed	DPI/Hz	Passes	Air assist	Z offset	Direction	Advanced
Engraving	■	90%	13%	1000 DPI	1	Max	0 mm	Top down	High quality
Cutting	■	95%	1.5%	10000 Hz	1	Max	0 mm		– Correction 10 – Accuracy

Parameters Speedy 400 – 100 watts

Process	Layers	Power	Speed	DPI/Hz	Passes	Air assist	Z offset	Direction	Advanced
Engraving	■	90%	13%	1000 DPI	1	Max	0 mm	Top down	High quality
Cutting	■	95%	1.7%	10000 Hz	1	Max	0 mm		– Correction 10 – Accuracy

MDF ENGRAVING AND CUTTING



Instructions:

- Verifying the parameters
- Perform the engraving.
- Verify that the engraving and cutting is properly done.
- Remove the workpiece.
- Have some degreaser and flannel on hand to clean the material, but only if necessary

In this demonstration, we will ensure that the customer sees the machine's ability to perform engraving and cutting of MDF with good quality, precision, and speed.

Material	Thickness	Color	Dimensions	Name of file
MDF (Trupan)	2.5 mm		90 mm × 90 mm	MDF engraving and cutting.

Parameters Q400-100 Watts Tube DC

Process	Layers	Power	Speed	DPI/Hz	Passes	Air assist	Z offset	Direction	Advanced
Engraving	■	35%	40%	1000 DPI	1	Low		Bottom up	High quality
Cutting	■	90%	1.5%	10000 Hz	1	Low	0 mm		- Correction 20 - Accuracy

Parameters Q500-120 Watts Tube DC

Process	Layers	Power	Speed	DPI/Hz	Passes	Air assist	Z offset	Direction	Advanced
Engraving	■	30%	40%	1000 DPI	1	Low	1 mm	Bottom up	High quality
Cutting	■	90%	1.5%	10000 Hz	1	Low	0 mm		- Correction 20 - Accuracy

Parameters Speedy 50 – 30 watts

Process	Layers	Power	Speed	DPI/Hz	Passes	Air assist	Z offset	Direction	Advanced
Engraving	■	80%	30%	1000 DPI	1	Low	1 mm	Bottom up	High quality
Cutting	■	90%	1.2%	10000 Hz	1	Low	0 mm		- Correction 10 - Accuracy

Parameters Speedy 100 – 60 watts

Process	Layers	Power	Speed	DPI/Hz	Passes	Air assist	Z offset	Direction	Advanced
Engraving	■	85%	30%	1000 DPI	1	Low	1 mm	Bottom up	High quality
Cutting	■	90%	1.3%	10000 Hz	1	Low	0 mm		– Correction 10 – Accuracy

Parameters Speedy 300 – 80 watts

Process	Layers	Power	Speed	DPI/Hz	Passes	Air assist	Z offset	Direction	Advanced
Engraving	■	70%	70%	1000 DPI	1	Low	1 mm	Bottom up	High quality
Cutting	■	95%	1.5%	10000 Hz	1	Low	0 mm		– Correction 10 – Accuracy

Parameters Speedy 400 – 100 watts

Process	Layers	Power	Speed	DPI/Hz	Passes	Air assist	Z offset	Direction	Advanced
Engraving	■	70%	80%	1000 DPI	1	Low	1 mm	Bottom up	High quality
Cutting	■	95%	1.7%	10000 Hz	1	Low	0 mm		– Correction 10 – Accuracy

PAPER ENGRAVING AND CUTTING

Instructions:

- Verify the parameters
- Perform engraving
- Verify that the engraving and cutting is properly done.
- Remove the workpiece.
- Have some degreaser and flannel on hand to clean the material, but only if necessary

In this demonstration, we will ensure that the customer sees the machine's ability to perform engraving and cutting of paper with good quality, Accuracy, and speed.



Material	Thickness	Color	Dimensions	Name of file
Murillo Paper 70 x 100, Red	190 GR.	Red	90 mm x 90 mm	paper cutting

Parameters Q400-100 Watts Tube DC

Process	Layers	Power	Speed	DPI/Hz	Passes	Air assist	Z offset	Direction	Advanced
Engraving	■	10%	45%	1000 DPI	1	Low		Bottom up	High quality
Cutting	■	15%	1%	10000 Hz	1	Low	0 mm		- Correction 20 - Accuracy
Cutting	■	15%	1%	10000 Hz	1	Low	0 mm		- Correction 20

Parameters Q500-120 Watts Tube DC

Process	Layers	Power	Speed	DPI/Hz	Passes	Air assist	Z offset	Direction	Advanced
Engraving	■	10%	40%	1000 DPI	1	Low		Bottom up	High quality
Cutting	■	15%	1%	10000 Hz	1	Low	0 mm		- Correction 20 - Accuracy
Cutting	■	15%	1%	10000 Hz	1	Low	0 mm		- Correction 20 - Accuracy

Parameters Speedy 50 – 30 watts

Process	Layers	Power	Speed	DPI/Hz	Passes	Air assist	Z offset	Direction	Advanced
Engraving	■	20%	70%	1000 DPI	1	Low	1 mm	Bottom up	High quality
Cutting	■	20%	1%	10000 Hz	1	Low	0 mm		- Correction 10 - Accuracy
Cutting	■	20%	1%	10000 Hz	1	Low	0 mm		- Correction 10 - Accuracy

Parameters Speedy 100 – 60 watts

Process	Layers	Power	Speed	DPI/Hz	Passes	Air assist	Z offset	Direction	Advanced
Engraving	■	20%	70%	1000 DPI	1	Low	1 mm	Bottom up	High quality
Cutting	■	20%	1%	10000 Hz	1	Low	0 mm		– Correction 10 – Accuracy
Cutting	■	20%	1%	10000 Hz	1	Low	0 mm		– Correction 10 – Accuracy

Parameters Speedy 300 – 80 watts

Process	Layers	Power	Speed	DPI/Hz	Passes	Air assist	Z offset	Direction	Advanced
Engraving	■	15%	70%	1000 DPI	1	Low	1 mm	Bottom up	High quality
Cutting	■	20%	1%	10000 Hz	1	Low	0 mm		– Correction 10 – Accuracy
Cutting	■	20%	1%	10000 Hz	1	Low	0 mm		– Correction 10 – Accuracy

Parameters Speedy 400 – 100 watts

Process	Layers	Power	Speed	DPI/Hz	Passes	Air assist	Z offset	Direction	Advanced
Engraving	■	20%	80%	1000 DPI	1	Low	1 mm	Bottom up	High quality
Cutting	■	20%	1%	10000 Hz	1	Low	0 mm		– Correction 10 – Accuracy
Cutting	■	20%	1%	10000 Hz	1	Low	0 mm		– Correction 10 – Accuracy

LEATHER ENGRAVING AND CUTTING

Instructions:

- Verify the parameters
- Perform the engraving.
- Verify that the engraving and cutting is properly done.
- Remove the workpiece.
- Have some degreaser and flannel on hand to clean the material, but only if necessary

In this demonstration, we will ensure that the customer sees the machine's ability to perform engraving and cutting of leather with good quality, Accuracy, and speed.



Material	Thickness	Color	Dimensions	Name of file
Leather	1 mm	Honey	90 mm x 90 mm	Leather engraving and cutting.

Parameters Q400-100 Watts Tube DC

Process	Layers	Power	Speed	DPI/Hz	Passes	Air assist	Z offset	Direction	Advanced
Engraving	■	25%	40%	1000 DPI	1	Low		Bottom up	High quality
Cutting	■	90%	2%	10000 Hz	1	Low	0 mm		- Correction 20 - Speed

Parameters Q500-120 Watts Tube DC

Process	Layers	Power	Speed	DPI/Hz	Passes	Air assist	Z offset	Direction	Advanced
Engraving	■	25%	40%	1000 DPI	1	Low	0 mm	Bottom up	High quality
Cutting	■	90%	2%	10000 Hz	1	Low	0 mm		- Correction 20 - Speed

Parameters Speedy 50 – 30 watts

Process	Layers	Power	Speed	DPI/Hz	Passes	Air assist	Z offset	Direction	Advanced
Engraving	■	30%	40%	1000 DPI	1	Low	0 mm	Bottom up	High quality
Cutting	■	90%	2%	10000 Hz	1	Low	0 mm		- Correction 10 - Speed

Parameters Speedy 100 – 60 watts

Process	Layers	Power	Speed	DPI/Hz	Passes	Air assist	Z offset	Direction	Advanced
Engraving	■	30%	40%	1000 DPI	1	Low	0 mm	Bottom up	High quality
Cutting	■	90%	2%	10000 Hz	1	Low	0 mm		- Correction 10 - Speed

Parameters Speedy 300 – 80 watts

Process	Layers	Power	Speed	DPI/Hz	Passes	Air assist	Z offset	Direction	Advanced
Engraving	■	30%	40%	1000 DPI	1	Low	1 mm	Bottom up	High quality
Cutting	■	80%	1.5%	10000 Hz	1	Low	0 mm		– Correction 10 – Speed

Parameters Speedy 400 – 100 watts

Process	Layers	Power	Speed	DPI/Hz	Passes	Air assist	Z offset	Direction	Advanced
Engraving	■	25%	50%	1000 DPI	1	Low	1 mm	Bottom up	High quality
Cutting	■	80%	1.5%	10000 Hz	1	Low	0 mm		– Correction 10 – Speed

ACRYLIC ENGRAVING, MARKING AND CUTTING

Instructions:

- Remove protector
- Perform the engraving.
- Verify the parameters
- Verify that the engraving is properly done
- Remove the workpiece,
- Have some degreaser and flannel on hand to clean the material, but only if necessary

In this demonstration, we will ensure that the customer sees the machine's ability to perform engraving and cutting of acrylic glass.



Material	Thickness	Color	Dimensions	Name of file
Acrylic glass	3 mm max.	Solid color	90 mm x 90 mm	Acrylic engraving, marking, and cutting

Parameters Q400-100 Watts Tube DC

Process	Layers	Power	Speed	DPI/Hz	Passes	Air assist	Z offset	Direction	Advanced
Engraving	■	15%	40%	1000 PPI	1	Low or off		Bottom up	High quality
Cutting / Engraving	■	7%	.5%	10000 Hz	1	Low or off	0 mm		- Correction 20 - Accuracy
Cutting	■	95%	1.5%	10000 Hz	1	Low or off	0 mm		- Correction 20 - Accuracy

Parameters Q500-120 Watts Tube DC

Process	Layers	Power	Speed	DPI/Hz	Passes	Air assist	Z offset	Direction	Advanced
Engraving	■	15%	40%	1000 PPI	1	Low or off	0 mm	Bottom up	High quality
Cutting / Engraving	■	7%	.5%	10000 Hz	1	Low or off	0 mm		- Correction 20 - Accuracy
Cutting	■	90%	1.5%	10000 Hz	1	Low or off	0 mm		- Correction 20 - Accuracy




Parameters Speedy 50 – 30 watts

Process	Layers	Power	Speed	DPI/Hz	Passes	Air assist	Z offset	Direction	Advanced
Engraving	■	30%	50%	1000 PPI	1	Low or off	0 mm	Bottom up	High quality
Cutting / Engraving	■	7%	.5%	30000 Hz	1	Low or off	0 mm		- Correction 10 - Accuracy
Cutting	■	90%	1.2%	30000 Hz	1	Low or off	0 mm		- Correction 10 - Accuracy




Parameters Speedy 100 – 60 watts

Process	Layers	Power	Speed	DPI/Hz	Passes	Air assist	Z offset	Direction	Advanced
Engraving	■	85%	30%	1000 PPI	1	Low or off	0 mm	Bottom up	High quality
Cutting / Engraving	■	7%	.5%	30000 Hz	1	Low or off	0 mm		- Correction 10 - Accuracy
Cutting	■	90%	1.3%	30000 Hz	1	Low or off	0 mm		- Correction 10 - Accuracy

Parameters Speedy 300 – 80 watts

Process	Layers	Power	Speed	DPI/Hz	Passes	Air assist	Z offset	Direction	Advanced
Engraving		30%	70%	1000 PPI	1	Low or off	0 mm	Bottom up	High quality
Cutting / Engraving		7%	.5%	30000 Hz	1	Low or off	0 mm		– Correction 10 – Accuracy
Cutting		95%	1.5%	30000 Hz	1	Low or off	0 mm		– Correction 10 – Accuracy

Parameters Speedy 400 – 100 watts

Process	Layers	Power	Speed	DPI/Hz	Passes	Air assist	Z offset	Direction	Advanced
Engraving		30%	80%	1000 PPI	1	Low or off	0 mm	Bottom up	High quality
Cutting / Engraving		7%	.5%	30000 Hz	1	Low or off	0 mm		– Correction 10 – Accuracy
Cutting		95%	1.7%	30000 Hz	1	Low or off	0 mm		– Correction 10 – Accuracy

ACRYLIC GLASS CUTTING WITH REGISTRATION

- Perform the engraving.
- Verify the parameters,
- Verify that the engraving is properly done,
- Remove the workpiece,
- Have some degreaser and flannel on hand to clean the material, but only if necessary

In this demonstration, we will ensure that the customer sees the machine's ability to cut with registration in acrylic glass and later in other materials.



Material	Thickness	Color	Dimensions	Name of file
Acrylic glass	3 mm max.	Solid color	90 mm x 90 mm	Acrylic glass cutting with registration

Parameters Q400-100 Watts Tube DC

Process	Layers	Power	Speed	DPI/Hz	Passes	Air assist	Z offset	Direction	Advance
Print & Cut	■			500 PPI					
Cutting	■	95%	1.5%	10000 Hz	1	Low or off	0 mm		- Correction 20 - Accuracy

Parameters Q500-120 Watts Tube DC

Process	Layers	Power	Speed	DPI/Hz	Passes	Air assist	Z offset	Direction	Advance
Print & Cut	■			500 PPI					
Cutting	■	90%	1.5%	10000 Hz	1	Low or off	0 mm		- Correction 20 - Accuracy

Parameters Speedy 50 – 30 watts

Process	Layers	Power	Speed	DPI/Hz	Passes	Air assist	Z offset	Direction	Advance
Print & Cut	■			500 PPI					
Cutting	■	90%	1.2%	30000 Hz	1	Low or off	0 mm		- Correction 10 - Accuracy

Parameters Speedy 100 – 60 watts

Process	Layers	Power	Speed	DPI/Hz	Passes	Air assist	Z offset	Direction	Advance
Print & Cut	■			500 PPI					
Cutting	■	90%	1.3%	30000 Hz	1	Low or off	0 mm		- Correction 10 - Accuracy

Parameters Speedy 300 – 80 watts

Process	Layers	Power	Speed	DPI/Hz	Passes	Air assist	Z offset	Direction	Advance
Print & Cut	■			500 PPI					
Cutting	■	95%	1.5%	30000 Hz	1	Low or off	0 mm		– Correction 10 – Accuracy

Parameters Speedy 400 – 100 watts

Process	Layers	Power	Speed	DPI/Hz	Passes	Air assist	Z offset	Direction	Advanced
Print & Cut	■			500 PPI					High quality
Cutting	■	95%	1.7%	30000 Hz	1	Low or off	0 mm		– Correction 10 – Accuracy

ACRYLIC GLASS ENGRAVING AND CUTTING.

Instructions:

- Send the file at 333 dpi and halftone to Jarvis
- Remove protector
- Perform the engraving.
- Verify the parameters,
- Verify that the engraving is properly done,
- Remove the workpiece,
- Have some degreaser and flannel on hand to clean the material, but only if necessary

In this demonstration, we will ensure that the customer sees the machine's ability to perform photo engraving and cutting of acrylic glass in good quality.



Material	Thickness	Color	Dimensions	Name of file
Acrylic glass	3 mm max.	Solid color	90 mm × 90 mm	Photography

Parameters Q400-100 Watts Tube DC

Process	Layers	Power	Speed	DPI/Hz	Passes	Air assist	Z offset	Direction	Advanced
Engraving	■	15%	40%	1000 PPI	1	Low or off		Bottom up	High quality
Cutting	■	95%	1.5%	10000 Hz	1	Low or off	0 mm		– Correction 20 – Accuracy

Parameters Q500-120 Watts Tube DC

Process	Layers	Power	Speed	DPI/Hz	Passes	Air assist	Z offset	Direction	Advanced
Engraving	■	15%	40%	1000 PPI	1	Low or off	0 mm	Bottom up	High quality
Cutting	■	90%	1.5%	10000 Hz	1	Low or off	0 mm		– Correction 20 – Accuracy

Parameters Speedy 50 – 30 watts

Process	Layers	Power	Speed	DPI/Hz	Passes	Air assist	Z offset	Direction	Advanced
Engraving	■	30%	50%	1000 PPI	1	Low or off	0 mm	Bottom up	High quality
Cutting	■	90%	1.2%	30000 Hz	1	Low or off	0 mm		– Correction 10 – Accuracy

Parameters Speedy 100 – 60 watts

Process	Layers	Power	Speed	DPI/Hz	Passes	Air assist	Z offset	Direction	Advanced
Engraving	■	85%	30%	1000 PPI	1	Low or off	0 mm	Bottom up	High quality
Cutting	■	90%	1.3%	30000 Hz	1	Low or off	0 mm		– Correction 10 – Accuracy

Parameters Speedy 300 – 80 watts

Process	Layers	Power	Speed	DPI/Hz	Passes	Air assist	Z offset	Direction	Advanced
Engraving	■	30%	70%	1000 PPI	1	Low or off	0 mm	Bottom up	High quality
Cutting	■	95%	1.5%	30000 Hz	1	Low or off	0 mm		– Correction 10 – Accuracy

Parameters Speedy 400 – 100 watts

Process	Layers	Power	Speed	DPI/Hz	Passes	Air assist	Z offset	Direction	Advanced
Engraving	■	30%	80%	1000 PPI	1	Low or off	0 mm	Bottom up	High quality
Cutting	■	95%	1.7%	30000 Hz	1	Low or off	0 mm		– Correction 10 – Accuracy