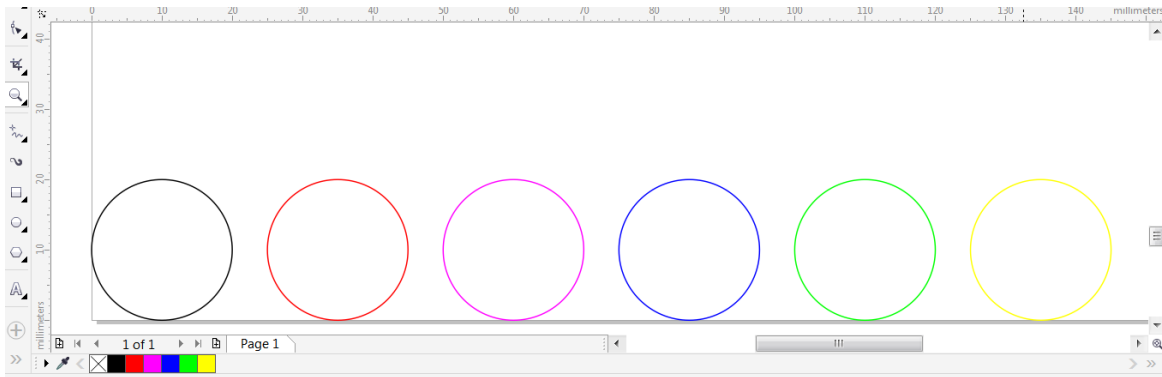


T2 Laser - PLT Conversion

Importing Vector Graphics from CorelDraw or other CAD programs

1. Colors are supported and translated to laser power

- a. Power Levels: Black (100%), Red (80%), Magenta (60%), Blue (40%), Green (20%) and Yellow (0%)



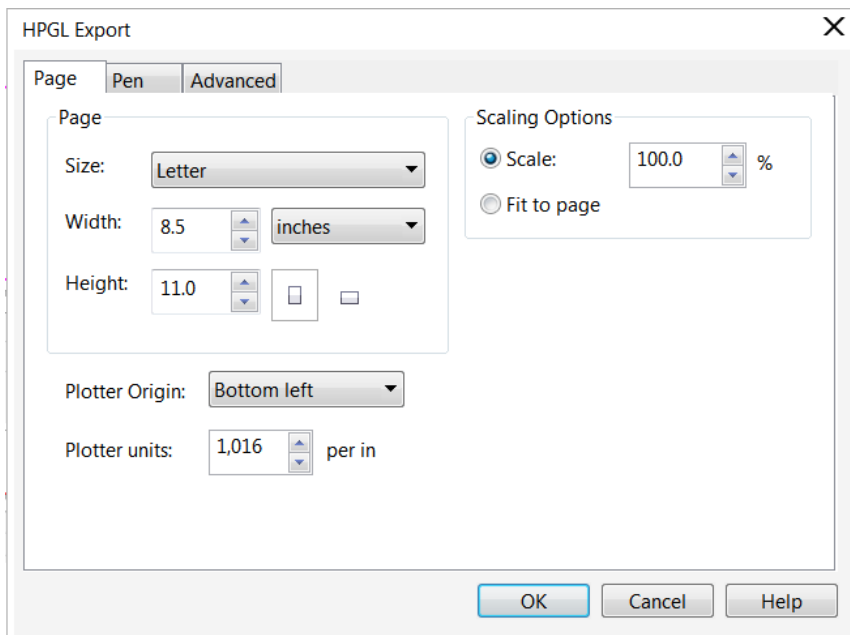
2. Select “Save As” or “Export”

- a. The default is to export the entire drawing, or click the “Selected only” box to save only those objects that have been selected
- b. Change the format to PLT

Save as type: **PLT - HPGL Plotter File (*.plt;*.hgl)**

3. Select plotter origin “Bottom left” to use as 0,0 or “Page Center” to use drawing extents

- a. Do not change the plotter units (1,016 per inch or 40 plotter units per mm)
- b. 1 plotter unit = 0.025 mm (this is the HPGL standard)



4. The pen color settings should not be modified or laser power mapping could be incorrect

HPGL Export

Page Pen Advanced

Pen selection

Pen	Color	Width	Velocity
1	Black	0.35 mm	32 cm/s
2	Blue	0.35 mm	32 cm/s
3	Red	0.35 mm	32 cm/s
4	Green	0.35 mm	32 cm/s
5	Magenta	0.35 mm	32 cm/s
6	Yellow	0.35 mm	32 cm/s
7	Cyan	0.35 mm	32 cm/s
8	Brown	0.35 mm	32 cm/s
9	(Unused)	0.35 mm	32 cm/s
10	(Unused)	0.35 mm	32 cm/s

Pen color: Black

Pen width: 0.35 mm

Pen velocity: 32 cm/s

Pen Unused Reset

Pen libraries: (Default) Save Delete

OK Cancel Help

5. The maximum curve resolution is 0.001 inches or 0.025 mm (although 0.002 should be sufficient)
- a. You can change the other settings as needed,
- i. Width and velocity are ignored, checking the box has no effect but reduces the file size
 - ii. See the result of using simulated fill below

HPGL Export

Page Pen Advanced

Fills

Simulated Fill: None

Line spacing: 0.005 inches

Line angle: 0.0 degrees

Second Line angle: 90.0 degrees

Remove hidden lines

Automatic weld

No width or velocity command

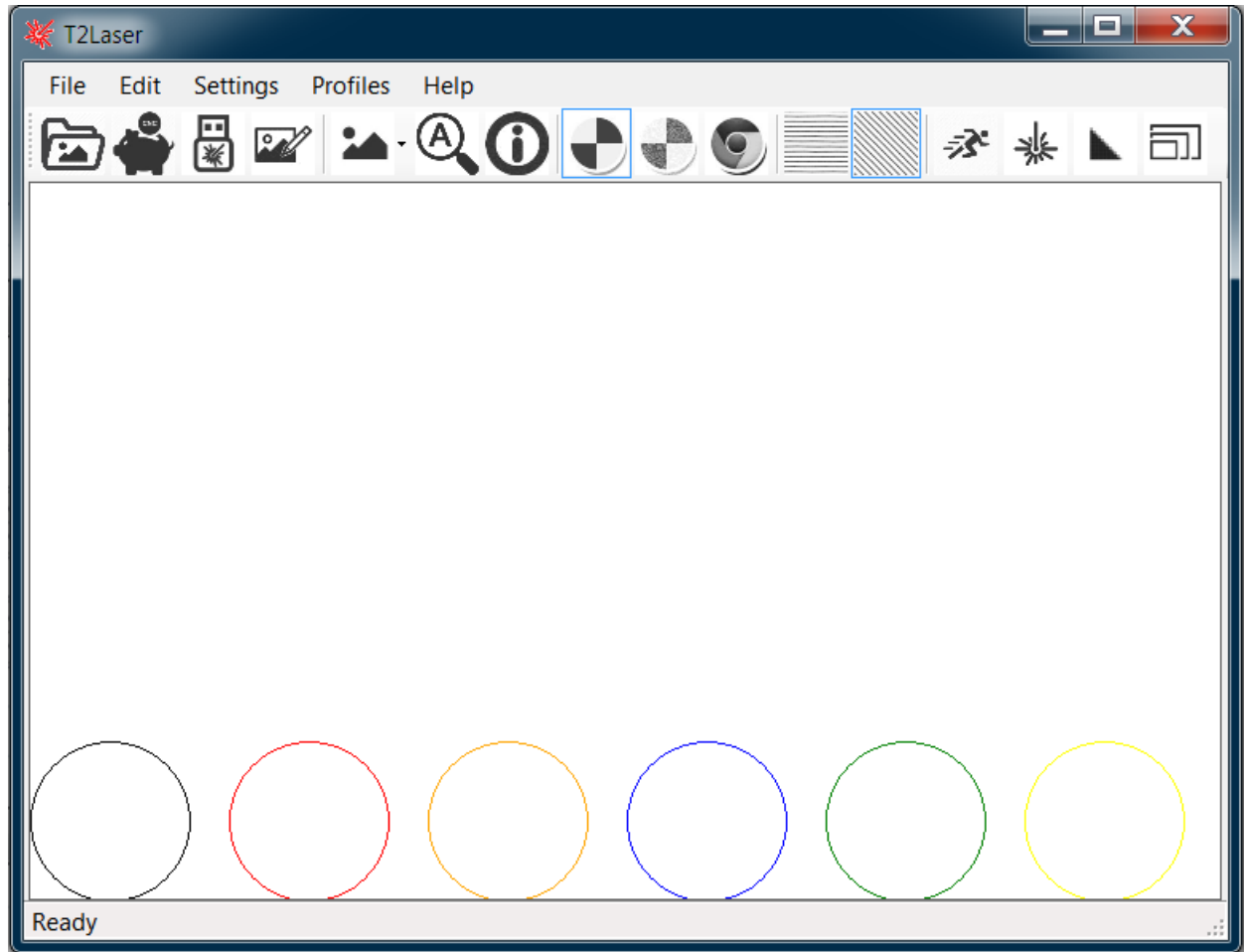
Curve resolution

0.002 inches

OK Cancel Help

6. Colors are imported and translated to power levels

a. Note that magenta is converted to orange in T2Laser (aligns with DXF import)

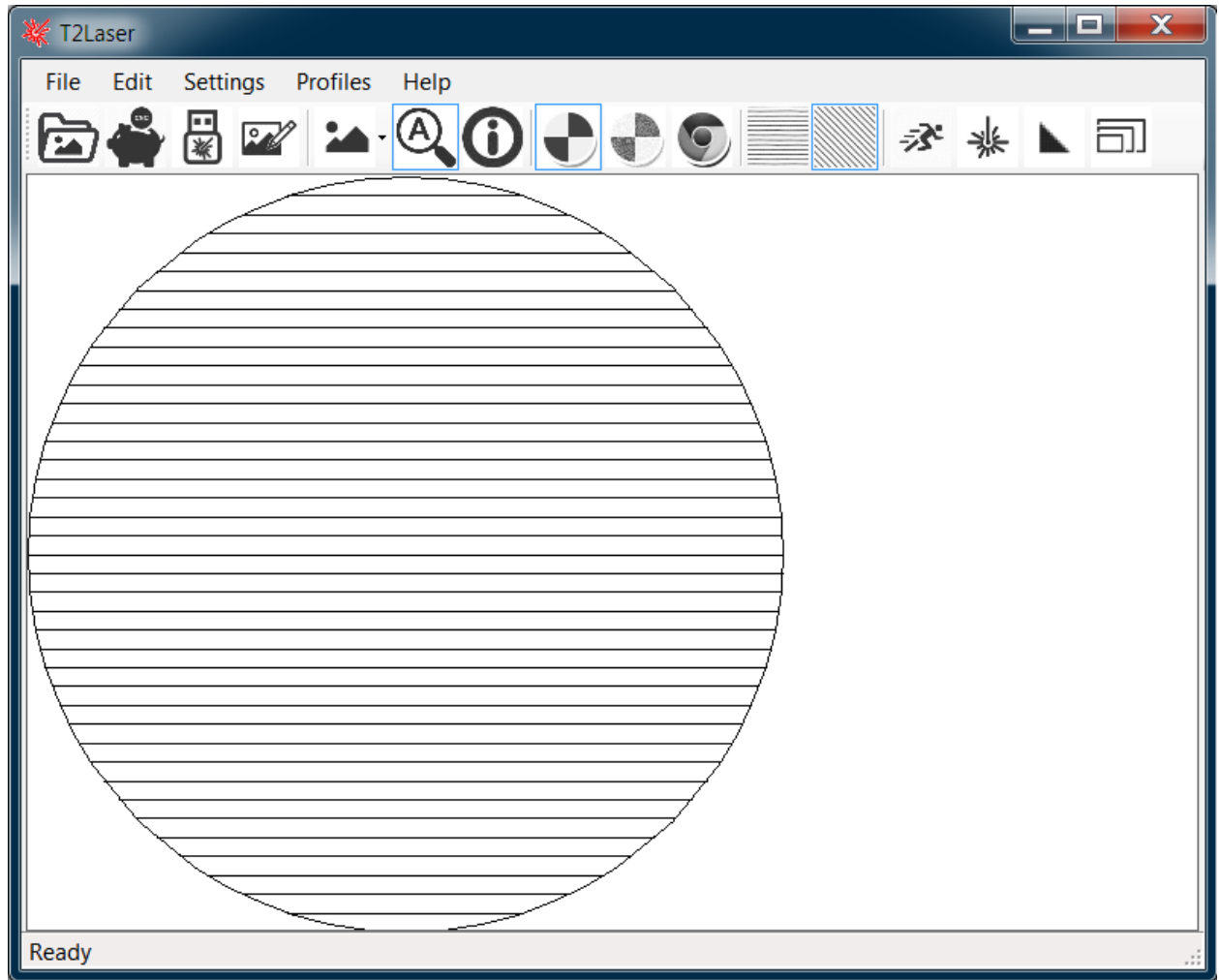


b. Power levels shown in the simulated G-Code "view"

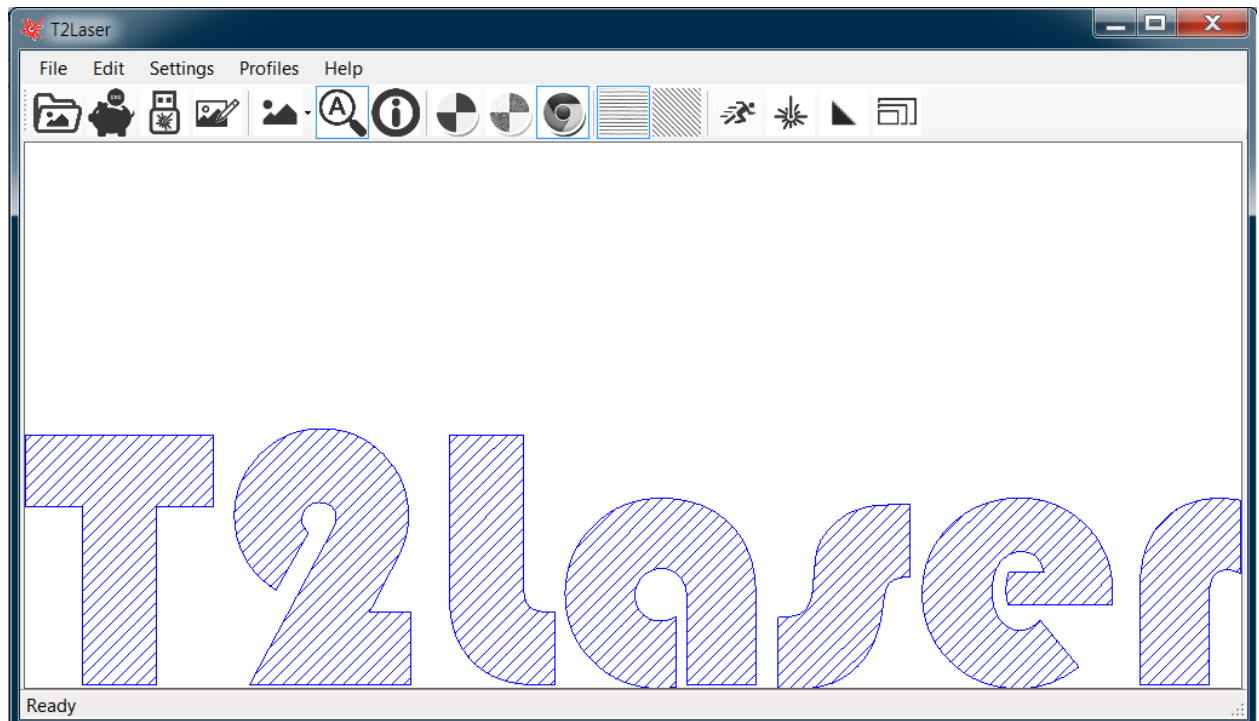


7. Examples of simulated fill results

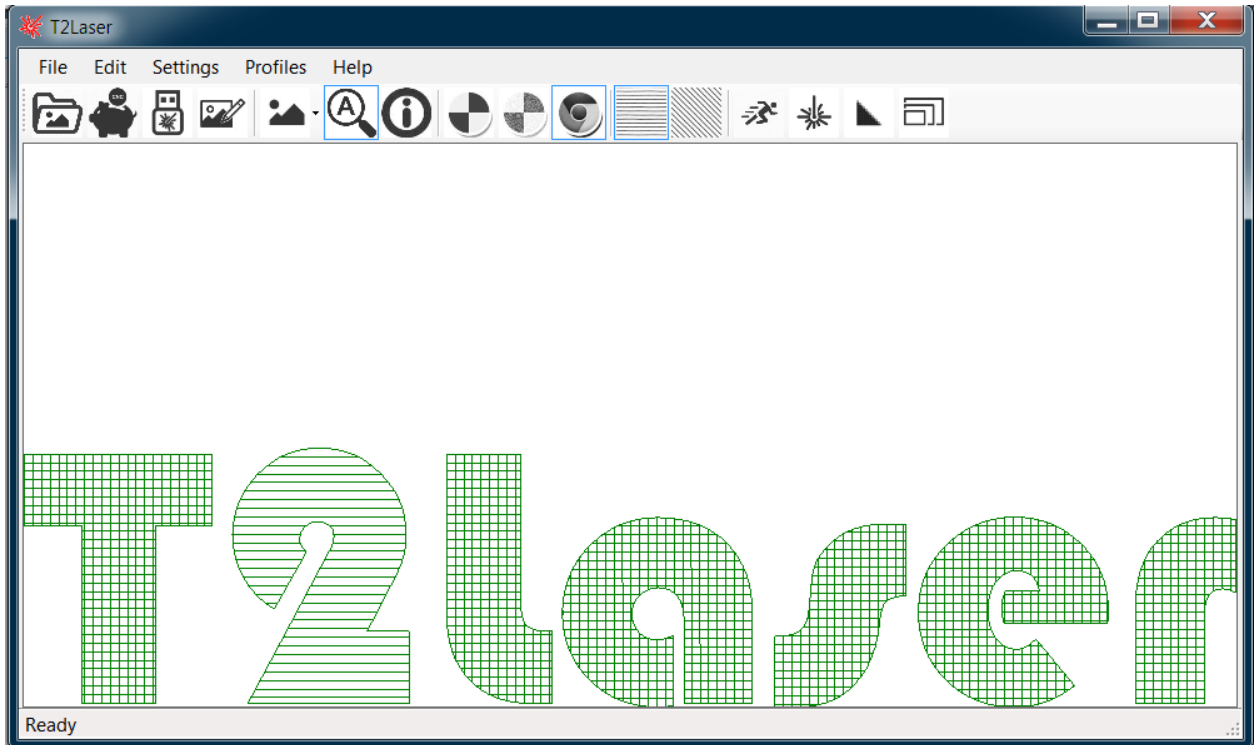
a. Parallel lines



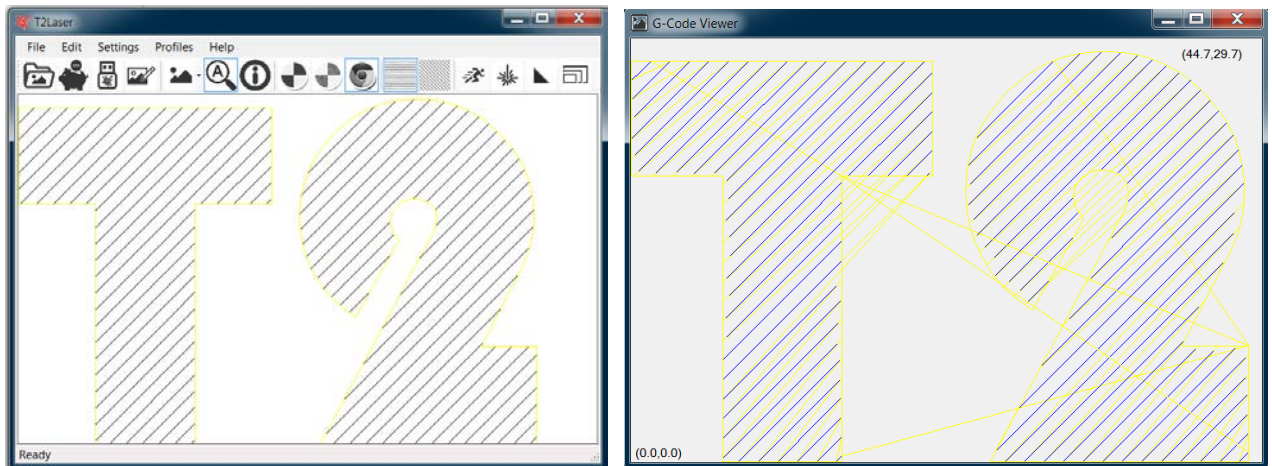
b. 45° degree lines



c. 0° and 90° crosshatch



d. If you want to engrave only the hatch, use yellow for the outline (power 0%) and it will be ignored



This license agreement applies to registered and evaluation versions of T2Laser software products. This software and the accompanying files are provided “as is”, no warranty is provided whatsoever, whether express, implied, or statutory, including, but not limited to, any warranty of merchantability or fitness for a particular purpose or any warranty that the contents of the item will be error-free. In no respect shall we be liability for any damages, including, but limited to, direct, indirect, special, or consequential damages arising out of, resulting from, or any way connected to the use of this software; whether or not injury was sustained by persons or property or otherwise; and whether or not loss was sustained from, or arose out of, the results of, usage of this software. This program is protected by copyright laws and international treaties. Unauthorized distribution, reproduction, decompiling or otherwise reverse engineering of this program, or any portion of it, may result in severe civil and/or criminal penalties, and will be prosecuted to the maximum extent possible under the law.