

BlackPlus Settings Guide

The following information provides guidelines to help achieve consistent and high quality marks using BlackPlus.

Optimal marking results depends on laser source (CO₂ or Fiber) and on a combination of the power and speed settings. The goal is to achieve a consistent mostly white using a Fiber or light brown mark with a CO₂. Too much power delivered at the point of contact will “bleed” the image and can warp the metal. Too little power will result in a faint or non-existent mark. Expect some trial and error in order to achieve an optimal mark. Fiber laser is the preferred laser to mark BlackPlus as it yields the highest contrast mark.

General Print Driver Setting Observations

Power Setting

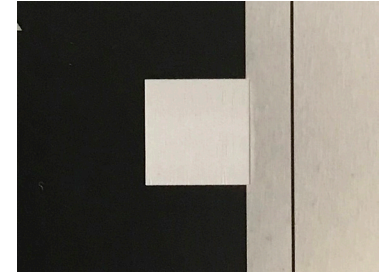
- Higher power is needed to ablate the surface and leave a mark. Lasers up to 100 watts of power will probably need the power setting at 100% to mark.

Speed Setting

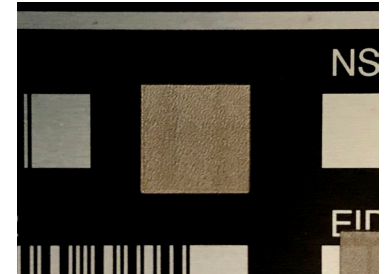
- Lower speed is needed for dwell time to mark the surface. Lasers up to 100 watts of power will need the speed in the 10-20% range. Too slow (especially on CO₂) can warp the metal from the excessive heat.

PPI Setting

- 500 or 600 PPI is ideal.
- Higher increases the burning or warping effect. Produces finer detail if speed is not too fast.
- Lower decreases the burning or warping effect. Reduces image detail if set too low.



Fiber Marked Sample



CO₂ Marked Sample



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