



Laser Engraving Techniques

25 Watt Gantry CO₂ Lasers:

Power Use a power setting of 10% to 20% (start at 13% for Brushed Brass/Black and Brushed Silver/Black, 18% for Black/Gold and 20% for all others).

Speed **LaserLIGHTS** engrave well at 100% speed, although slower speeds allow finer detail engraving.

Resolution Profiling Use DPI and PPI/Rate settings of 500. Reduce speed to 10% to profile (cut) the material.

Colors On some laser systems, you may achieve a better result on the Blue/White and Red/White by reducing speed and power, and/or increasing the spot size by defocusing the beam by 0.10”.

Galvo CO₂ and nd-YAG Lasers:

Power Use a very low power setting. On more powerful systems, it may be necessary to attenuate the beam even at the minimum power setting.

Speed Start with a speed of 1,500mm/sec. The material can be marked much faster.

Q-Switch Use the maximum Q-Switch setting or CW if available.

Profiling Increase the power to profile (cut) the material.

Black/Gold Precise power control is necessary when marking the Black/Gold **LaserLIGHTS** material with nd-YAG. Too much power will damage the metal backing.

*Laser engravers vary in performance. Use these recommendations as a starting point and make adjustments as necessary.
For additional recommendations, visit www.rowmark.com.

LaserLIGHTS