

## → **LMC Series Products** Marking settings

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setting  
new  
standards

### → **Factors to Consider When Marking**

There are numerous variables that must be considered when seeking the proper settings. Variables include the type of substrate, thickness of the substrate, the laser's wattage, the type of optics it employs, the spot size, and the marking material being used. The amount of LMC product applied to the surface will also influence your color. Generally, if you apply more LMC product you will achieve darker color, less material results in lighter color. With all of these variables in mind, it is hard to make recommendations for power settings to use when marking with the CerMark products. We can recommend a starting point for power and speed, but this may not be the best for your particular application.

### → **Using a Test Marking Grid**

We always recommend the use of a test marking grid to optimize your power settings. Bonding of the LMC products and the color they develop will be affected by the power settings used. Using a test power grid will allow you to see the effect of marking settings on the bonding of the material and the color that is developed. For more information on how to use a test marking grid, see the CerMark technical publication "Optimizing Power Settings".

### → **Evaluating the Marking Results**

After you have marked the object, you should observe a variation of marks. You should choose power settings for marking that will ensure a good bond and develop the desired color. Keep in mind that bonding and color can also be influenced by the amount of material that is sprayed on to the substrate.