














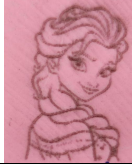
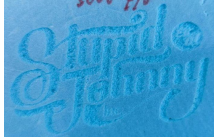







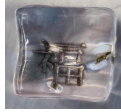








**Remark: Our parameter list is only for the most widely used materials. Customers may need to try other uncommon materials by themselves, or they can contact us to apply for testing.**

**Engraving Parameter for Common Material**


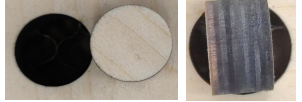







| Material          | Engraving |              |       |                       |                  |   |
|-------------------|-----------|--------------|-------|-----------------------|------------------|---|
|                   | Quality   | Speed (mm/m) | S-Max | Needs to be blackened | Number of passes | Case illustration   |
| Basswood          | 10        | 8000         | 200   | NO                    | 1                |    |
| Yellow peach wood | 10        | 9000         | 250   | NO                    | 1                |    |
| Pine              | 10        | 7000         | 200   | NO                    | 1                |     |
| Paulownia wood    | 10        | 15000        | 450   | NO                    | 1                |   |
| Bamboo            | 10        | 12000        | 500   | NO                    | 1                |  |
| Leather           | 10        | 10000        | 400   | NO                    | 1                |   |
| Denim             | 10        | 3000         | 200   | NO                    | 1                |   |
| Ceramics          | 20        | 10000        | 800   | YES                   | 1                |   |
| Ceramic tile      | 20        | 10000        | 800   | YES                   | 1                |   |
| Alumina           | 20        | 10000        | 600   | NO                    | 1                |   |
| Glass             | 10        | 6000         | 500   | YES                   | 1                |   |



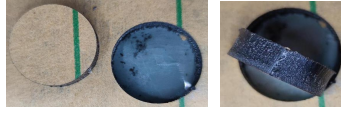


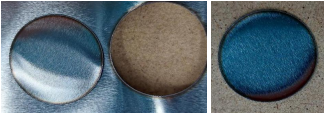
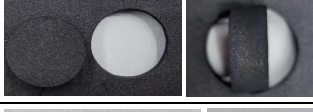
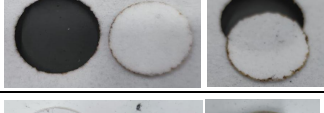
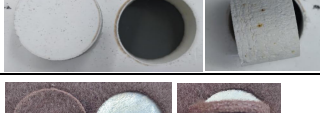


| Material                | Engraving |              |           |                       |                  |   |
|-------------------------|-----------|--------------|-----------|-----------------------|------------------|---|
|                         | Quality   | Speed (mm/m) | Max-Power | Needs to be blackened | Number of passes | Case illustration   |
| Acrylic                 | 10        | 8000         | 500       | NO                    | 1                |     |
| Translucent Acrylic     | 10        | 10000        | 250       | NO                    | 1                |    |
| Two color plate         | 10        | 7000         | 200       | NO                    | 1                |     |
| Plastic                 | 12        | 10000        | 450       | NO                    | 1                |    |
| Resin                   | 10        | 3000         | 250       | NO                    | 1                |   |
| High density foam board | 10        | 5000         | 90        | NO                    | 1                |   |
| Rubber                  | 10        | 8000         | 500       | NO                    | 1                |  |
| Kraft Paper             | 10        | 9000         | 300       | NO                    | 1                |  |
| Office paper            | 12.5      | 10000        | 270       | NO                    | 1                |   |

| Material                | Engraving |              |           |                       |                  |   |
|-------------------------|-----------|--------------|-----------|-----------------------|------------------|---|
|                         | Quality   | Speed (mm/m) | Max-Power | Needs to be blackened | Number of passes | Case illustration   |
| Carton                  | 10        | 8000         | 300       | NO                    | 1                |     |
| MDF                     | 12        | 10000        | 200       | NO                    | 1                |    |
| Mirrors                 | 12        | 9000         | 350       | YES                   | 1                |    |
| Rock                    | 12        | 10000        | 600       | NO                    | 1                |     |
| Crystal Stone           | 10        | 7000         | 300       | NO                    | 1                |   |
| PCB Board               | 10        | 6000         | 550       | NO                    | 1                |  |
| Hard maple              | 12        | 10000        | 600       | NO                    | 1                |  |
| Brushed Stainless Steel | 12        | 6000         | 800       | NO                    | 1                |  |
| Galvanized iron         | 10        | 5000         | 800       | YES                   | 1                |   |
| Iron sheet              | 10        | 6000         | 800       | YES                   | 1                |  |
| Brass                   | 10        | 3000         | 800       | YES                   | 1                |  |

| Material                       | Engraving |              |           |                       |                  |   |
|--------------------------------|-----------|--------------|-----------|-----------------------|------------------|---|
|                                | Quality   | Speed (mm/m) | Max-Power | Needs to be blackened | Number of passes | Case illustration   |
| Transparent Polycarbonate      | 10        | 7000         | 300       | NO                    | 1                |   |
| Wrench (chrome-vanadium alloy) | 10        | 3000         | 800       | YES                   | 1                |  |
| Cobble Stone                   | 10        | 8000         | 600       | NO                    | 1                |  |

**Cutting Parameter for Common Material**

| Material       | Cutting        |              |       |                  |  | Case illustration |
|----------------|----------------|--------------|-------|------------------|--|-------------------|
|                | Thickness (mm) | Speed (mm/m) | S-Max | Number of passes |  |                   |
| Basswood       | 20             | 950          | 1000  | 10               |    |                   |
|                | 18             | 150          | 1000  | 1                |    |                   |
| Pine           | 25             | 750          | 100   | 10               |  |                   |
|                | 20             | 100          | 1000  | 1                |  |                   |
| Paulownia wood | 23             | 950          | 1000  | 9                |  |                   |
|                | 20             | 200          | 1000  | 1                |  |                   |
| Cork wood      | 200            | 600          | 1000  | 1                |  |                   |
| Bamboo         | 5              | 400          | 800   | 1                |  |                   |
| Leather        | 5              | 20000        | 800   | 5                |  |                   |

| Material              | Cutting        |              |       |                  | Case illustration  |
|-----------------------|----------------|--------------|-------|------------------|--|
|                       | Thickness (mm) | Speed (mm/m) | S-Max | Number of passes |  |
| Kraft Paper           | 0.6            | 5000         | 800   | 1                |    |
| Acrylic               | 20             | 200          | 800   | 10               |    |
|                       | 5              | 150          | 800   | 1                |    |
| MDF                   | 12             | 1000         | 1000  | 9                |    |
|                       | 9              | 200          | 1000  | 1                |    |
| Stainless Steel Sheet | 0.1            | 300          | 1000  | 1                |   |
| EVa Foam              | 8              | 2500         | 800   | 1                |  |
| Glutinous rice paper  | 0.5            | 300          | 800   | 1                |  |
| Drywall               | 15             | 200          | 800   | 9                |  |
| Woolen Blanket        | 3              | 4000         | 800   | 1                |  |
| denim                 | 0.1            | 4000         | 800   | 1                |  |