

PREMIUM 200Z INSULATED BOTTLE

PMB20 | PWH20

Laser Engraving

Recommended Equipment

- CO2 Laser Engraver
- Jig to hold bottle
- Optional: Rotary attachment for cylindrical objects
- Degreaser cleaner and rag or sponge

Recommended Settings

• Power: 35-50% • Speed: 70-90%

Resolution: 500-600 DPI/PPI

General Engraving Instructions

- Remove the lid from the bottle and place it in the laser.
 - o Tip: Utilize a stationary jig to help hold the bottle level on the laser bed.
 - o For best results, use an optional rotary attachment for cylindrical object if available.
- Focus the laser to the surface of the bottle.
 - o If using a stationary jig, graphics less than 1.5" width are recommended.
 - o Focus the laser just off the top-most curvature of the bottle. When using 2.5" or 3" lenses, set laser focus between 1/4" and 5/8" to the left or right of highest point (center) of the curvature of the bottle. If using smaller focal length lenses, the focus threshold (left to right) may vary.
 - o If using a rotary attachment, focus the laser directly on top of the top-most curvature of the bottle.





- Close the laser lid and send the artwork to the laser using the recommended starting settings.
- When finished, open the laser lid and remove the bottle.
- If needed, clean the engraving with a degreaser cleaner and rag or sponge.

UVLED Printing

Recommended Equipment

- UVLED printer
- Alcohol and soft cloth
- Adhesion promoter rated for use with metals
- Jig to hold bottle
- Optional: Rotary attachment for cylindrical objects

General UVLED Printing Instructions

- Remove the lid from the bottle. Wipe the surface down with alcohol and soft cloth. to clean off any oils or dirt from the bottle surface.
- If needed, apply a metal adhesion promoter to the bottle surface to increase the UV ink adhesion.
 - o CAUTION: Hand wash only with mild dish soap. Do not wash in a dishwasher.
- Place the bottle on the printer bed.
 - Tip: Utilize a stationary jig to help hold the bottle level on the laser bed.
 - For best results, use an optional rotary attachment for cylindrical object if available.
- Focus the print head to the surface of the bottle.
- Place the printer into print-ready position and send job to the printer.
- When finished, remove the bottle from the printer bed.
- Allow 24 hours for the UV ink to fully cure.

