Using Metal Marking Spray

Steps for Using Metal Marking Spray

Step 1: Clean the metal surface to remove any residual grease.

Apply a thin, even coat of metal marking spray to the area slated for marking. To achieve a high-quality marking effect, the uniformity of the product coating is essential, which may require several tests and practice. Always use the product in a well-ventilated area or a designated spray room.

Please note: xTool doesn't provide or sell 'Metal Mark Spray'. You can purchase it from Amazon or Etsy.

Step 2: Get a stainless steel dog tag.

Step 3: Evenly spray the marking liquid on the surface using an airbrush or sprayer.

Remember to place a piece of waste cardboard beneath the metal. Also, use the marking spray in a well-ventilated area or a designated spray room for proper air circulation.

Step 4: Allow the surface to air dry for 3-5 minutes.

For optimal results, let the liquid dry naturally. It's not recommended to force it to dry using heat lamps, blowers, or fans.

Step 5: For substrates that shrink significantly, apply a second coat.

However, ensure the first coat dries for at least 30-40 seconds before applying the second one.

Step 6: Set parameters and initiate engraving.

Different metal marking sprays can produce varying sintering and engraving effects. It's recommended to conduct multiple test marks to achieve the best performance.

Recommended Parameters

Material	Vector Engraving		Bitmap Engrave	
	Power %	Speed mm/s	Power %	Speed mm/s
304 stainless steel	100	50	100	110
Titanium	90	50	90	110
Aluminum	100	50	100	110
Titanium plated alloy	90	50	90	110
Zinc-plated alloy	90	50	90	110
Aluminum alloy	100	50	100	110
Copper-plated alloy	100	50	100	110

Step 7: Remove excess spray paint.

Wash with water or a damp towel or sponge. Typically, rinsing with running water for 3-5 seconds is sufficient to remove excess spray. If the engraved portion remains, a damp sponge and alcohol can be used for localized cleaning.

Revision #1
Created 2026-02-02 18:43:55 UTC by Mariah
Updated 2026-02-02 18:44:20 UTC by Mariah