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# LASER CONSUMABLES

## CERMARK'S PATENTED LASER BONDING TECHNOLOGY OFFERS A UNIQUE SOLUTION FOR CREATING PERMANENT, HIGH CONTRAST, HIGH RESOLUTION MARKS ON A WIDE VARIETY OF SURFACES, INCLUDING MOST METALS, CERAMIC, GLASS AND MANY PLASTICS.

## CERMARK


This patented laser bonding technology offers a unique solution for creating permanent, high-contrast, high-resolution marks on a wide variety of surfaces, including most metals, ceramics, glass and many plastics.

These materials have been individually scientifically formulated for the best permanent chemical bonds possible. CerMark products are easy to use as all you need to do is simply apply them to the surface to be marked, put the coated part under the $co_2$ laser, and laser mark the pattern you wish to apply. Then, all you need to do is simply wash off the excess material.

**STANDARD FEATURES:**

- Chemically resistant to solvents, acids and bases
- Abrasion resistant
- Can withstand temperatures above 980ºC
- Withstands prolonged UV and moisture exposure
- High resolution makes it easy to create barcodes, logos, and fine text
- Black marks improve contrast for improved machine readability
- Maintains substrate integrity
- Bonds to the product surface with minimal thermal energy
- Can be successfully applied to plated materials without penetrating the surface
- Allows you to mark metal with an inexpensive $CO_2$ laser
- A variety of colours can be applied to glass and ceramics

**RECOMMENDED SUBSTRATES:**

LMM6000 is a fairly flexible product which is recommended for many metals. The following list is made up of substrates on which LMM6000 works well. This list is not exhaustive, so if your substrate does not appear on the list, this does not mean LMM6000 will not mark it:

Stainless Steel | Stainless Steel – Bright Annealed | Galvanized Steel & Brass | Aluminum | Copper | Chrome Plating | Nickel Plating | Gold Plating | Silver Plating | Titanium | Pewter

## DURABLACK


Durablack is the first $CO^2$, laser-markable aluminium for long-term asset identification in harsh operating environments that does not require a protective topcoat. It is composed of a multi-level coating upon an aluminium base layer. It's integrated abrasion-resistant coating reduces the need to apply a second protective layer.

**BENEFITS:**

- Durable performance
- Surpasses Unique Item Identification performance standards with resistance to heat, weather, corrosion and chemicals
- Easy to process and produce "A" verification grade labels

**FEATURES:**

- Creates precise durable graphics with any $CO^2$ laser
- Can be attached to either a curved or a flat surface
- Aluminium backing reduces damage from over-marking
- Matte finish reduces reflection for combat situations

## ALUMAMARK


AlumaMark is real aluminium that may be imaged or marked using a $CO^2$ laser. Unique among laserable substrates, AlumaMark allows the creation of black, positive marks on silver, gold, bronze, brass or coloured backgrounds. This technology allows the creation of high-quality, high-value products that differentiate our clients from their competition.

**BENEFITS:**

- AlumaMark parts are easily produced on a laser, as and when required
- AlumaMark creates high contrast, easy to read graphics with superior resolution

**FEATURES:**

- Pre-printed parts or pre-fabricated blanks can be purchased, allowing for quick turnaround times.

## LASERABLE RUBBER


Ready Laser Rubber is known for its high quality products for stamp produc on. The company first launched a comprehensive line of laser rubber in 1998. We Are Lasers offers the following range of laserable rubber:

- Ready Eco Line laser rubber - Manufactured from natural products, en rely ecofriendly
- Ready No Smell laser rubber - Does not give off unpleasant odours whilst being engraved
- Ready Standard laser rubber – the original laserable rubber product, budget friendly and outstanding impression quality