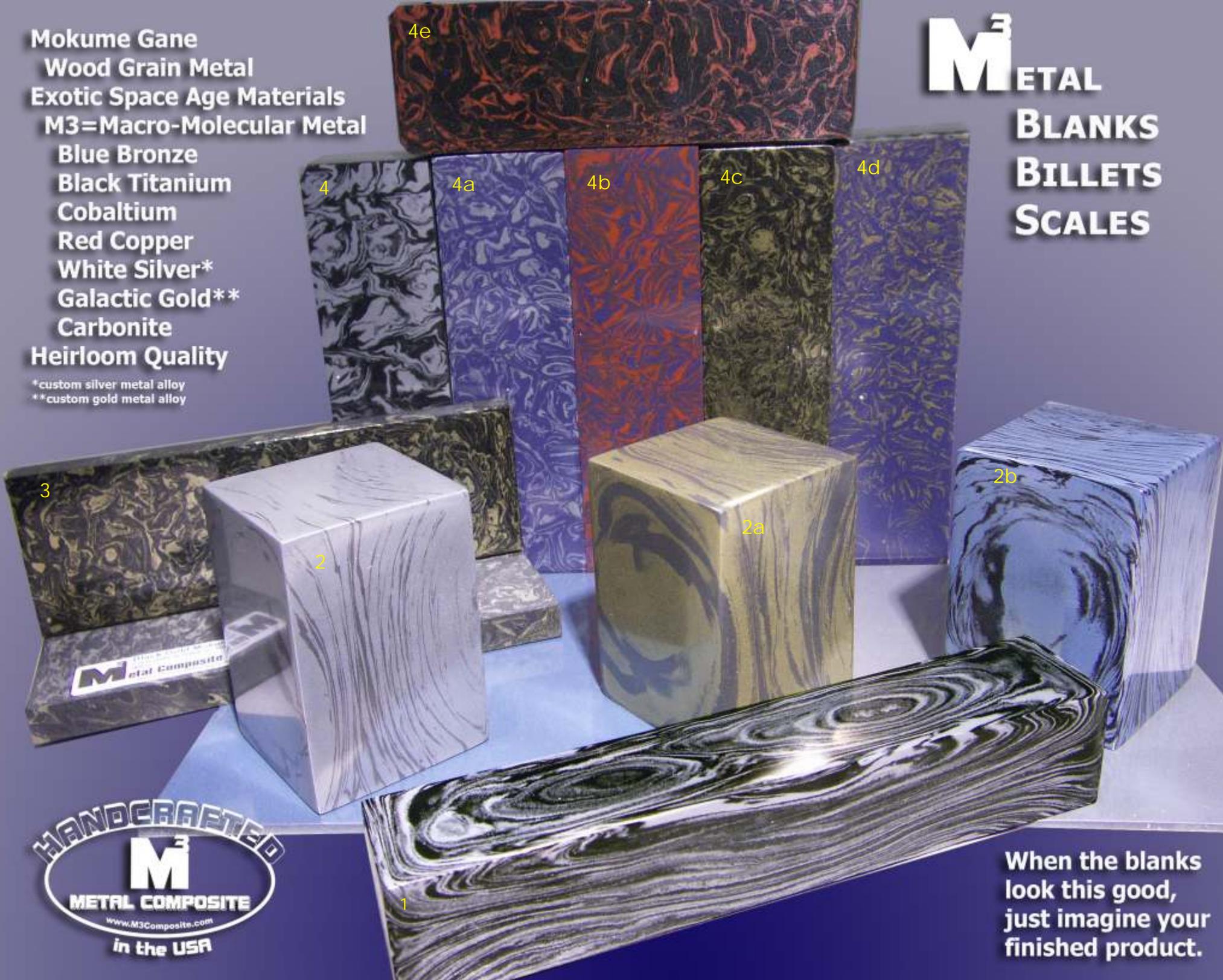


Mokume Gane  
Wood Grain Metal  
Exotic Space Age Materials  
M3=Macro-Molecular Metal  
Blue Bronze  
Black Titanium  
Cobaltium  
Red Copper  
White Silver\*  
Galactic Gold\*\*  
Carbonite  
Heirloom Quality

\*custom silver metal alloy  
\*\*custom gold metal alloy

**M<sup>3</sup>** METAL  
BLANKS  
BILLETS  
SCALES



HANDCRAFTED  
**M<sup>3</sup>**  
METAL COMPOSITE  
www.M3Composite.com  
in the USA

When the blanks  
look this good,  
just imagine your  
finished product.

# M<sup>3</sup> Metal Composite

## Blanks, Billets and Knife Scales

Macro-Molecular Metals (M3) are part of the new breed of composite materials that make everything from the Stealth Bomber to the International Space Station possible. Additionally recognized for its astounding aesthetic properties, gem quality finish and heirloom characteristics; M3 Metal Composites allow the artisan to transcend the barrier between art and craft and transform handcrafted objects into the finest heirloom quality luxury goods.

These materials are made with high purity metals and other exotic elements that have been deconstructed to the macro-molecular level, re-alloyed and then reconstructed with highly refined chemical binders. Heat, pressure and an exothermic chemical reaction cause the molecules to cross link forming a new material with a unique macro-molecular structure. Because the molecules are distributed homogeneously the new material gains the benefit of all the unique characteristics of the individual components.

Originally developed for aerospace and the military the engineers at M3 Composite Industries (M3ci) uncovered a host of aesthetic qualities that build on these remarkable materials benefits. The proprietary M3ci process together with the natural interplay of the metals and elements creates exotic metal colors, beautiful random wood grain patterns and metal combinations that were never before possible. Deep, dimensional, mirror finishes with galactic star field qualities make for a surface that is mesmerizing and lasting.

Engineered to be dense and stable with a high strength-to-weight ratio, M3 will hold the finest of detail. Colors and patterns run completely through the material and the finished product is beautiful, lightweight, very strong, comfortable to wear and to touch and will last for many generations.

Mokume Gane originated in Japan in the 17th century as a mixed metal laminate with distinctive layered wood grain type patterns. Today there is still a small community of talented metal artisans that carry on this age old tradition. "M3 Mokume Gane" is a modern interpretation of this ancient Japanese metal art. Today's engineers and scientists use these "Mokume" patterns and M3 technology to create the new "super alloys" and composites that are making the colonization of space a beautiful reality.

M3 Metal Blanks, Billets and Scales are handcrafted to exacting standards in our facility in New Jersey. They are distributed worldwide through a variety of specialized niche market material distributors and online at [www.MetalPenBlanks.com](http://www.MetalPenBlanks.com).

Our Guarantee: All M3 Mokume and Damascus patterns are random and in many cases created by the natural interplay of the metals during the M3 process. While we have some control over the overall patterns, i.e.: swirly or linear, loose or tight; the end result is like a snowflake or fingerprint, no two are alike. It is the random nature of the patterns that make our M3 Mokume Gane and Damascus so desirable..

If your finished work is not presentable due to an unsightly pattern or any defect in the blank then we will replace it for FREE. Visit the manufacturers website for details [www.M3Composite.com](http://www.M3Composite.com).

Working with M3: One of the characteristics that makes this material truly unique is the fact that it is unbelievably easy to turn, cut, shape and polish with standard wood tools. While at the same time M3 is very strong and holds a deep mirror finish. Our simple three step PMP finishing system will deliver the M3 gem quality finish with little effort. Whether worked by hand with standard wood tools or the most advanced CNC equipment, M3 Metal Composite is creating some of today's most impressive luxury goods.

Product/Photo Key: All M3 metal combinations, colors and patterns are available in all blanks, billets and knife scale shapes and sizes.

- 1) PenBlank: M3 Black & White Mokume (Carbonite with a White Silver grain: wood grain) available in stock sizes from 5/8" x 3" up to 1-1/2" x 6". M3 Metal Blanks are designed for a single object to be produced utilizing a large percentage of the blank. As such, the patterning is spread naturally throughout the full size of the blank. Fine writing instruments and razor handles are some of the products produced.
- 2) Bottle Stopper Blank: M3 White Mokume (White Silver with a Gunsmoke Bronze grain; wood grain) available in stock sizes from 1-1/4" x 2" up to 1-1/2" x 6" (larger sizes by request). Bottle stoppers, finials, shaving brush handles, cane tops, chess pieces, pool cues, cosmetic cases.
  - a. M3 Gunsmoke & Gold Mokume (Gunsmoke Bronze with Galactic Gold grain ; wood grain)
  - b. M3 Cobaltium Mokume (Cobaltium with a Carbonite grain; wood grain)
- 3) Knife Scales: M3 Black Gold (Carbonite with Galactic Gold grain, burl) available in matched sets sized 1-1/4" x 4" x 1/16 up to 1-1/2" x 6" x 3/8" (larger sizes by request) and three grain patterns; Face Grain, Side Grain and Burl. Knife handles, gun grips, miniature boxes and inlays. M3 can be laser cut and engraved with a CO2 laser.
- 4) Jewelry Billets: M3 Black Titanium with White Silver grain, burl; available in sizes 1.25" x 4" to 1.5" x 6" (other shapes and sizes upon request). Jewelry Billets are designed for many objects to be produced from a single blank. As such, the patterning is extremely tight in order to insure plenty of pattern in small pieces. Rings, wedding bands, earrings, broaches, watch cases, charms, netsuke and carvings. M3 mass finishing system is available.
  - a. M3 Blue Bronze with a White Silver grain, burl
  - b. M3 Blue Bronze with a Red Copper grain, burl
  - c. M3 Black Titanium with a Galactic Gold grain, burl
  - d. M3 Lapis Mokume (Blue Bronze with a Galactic Gold grain, burl)
  - e. M3 Black Titanium with a Red Copper grain, burl

**M<sup>3</sup> COMPOSITE INDUSTRIES**

Macro Molecular Metal for Artisans & Industry  
**Blanks - Billets - Panels - Coatings**

Website: [www.M3ci.com](http://www.M3ci.com)  
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