

When the weather breaks,
business blooms.

This Spring Let Belmont Lead You Ahead of the rest



Pure metals and alloys.
Standard and custom shapes.



Belmont

M E T A L S I N C.

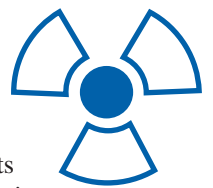
Belmont pure metals—the leading choice for all your metallurgical needs.

Spring is finally here! There's no better time to "get the Lead out" to your customers—in pure form or alloyed with other Belmont metals to meet your special alloy needs. We are always willing to work with you to fulfill your customers' requirements with the highest quality materials and prompt service.

LEAD

Feature Metal

Pb While Lead is no longer used in some traditional areas such as paint, gasoline, braking materials, and insecticides, it continues to find applications in fields ranging from medicine, transportation, energy conservation, pollution control, and telecommunications. Lead plays an essential role in modern life, and Lead-based technology is helping to solve some of our more pressing environmental problems. For example, Lead is essential in the operation of electrostatic precipitators, which capture the pollutants emitted by electric power plants, smelters, petrochemical refineries, and other industrial operations. The containment of atomic wastes and other radioactive products would be impossible without the use of Lead.



Lead is not "low tech"—nothing surpasses the reliability and ease of application of Lead alloy solders to connect the transistors, relays and electronic components of the Computer Age. Lead is also recognized for its high-density shielding properties. It is used in the glass of TV and computer screens to protect you from their radiation emissions, and is used in dental and medical X-rays, as well as in radiation therapy, to protect both you and the operator.



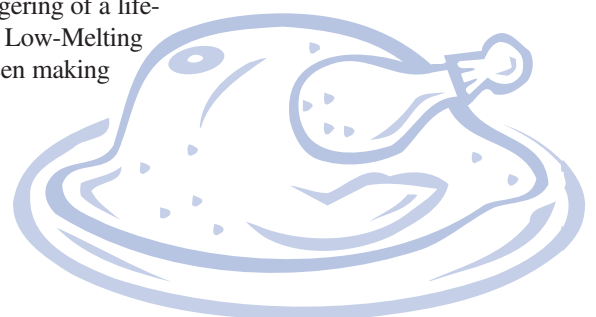
In today's recycling-conscious economy, Lead continues to be one of the most recycled metals in the world, with reclaimed Lead accounting for some 75% of the annual domestic production.

It probably comes as no surprise that approximately 78% of the Lead used in the U.S. each year goes towards the manufacture of Lead-acid storage batteries—the primary electrical power source for the nation's automobiles, trucks and buses. But did you know that Lead battery technology has been essential to the development of the new breed of hybrid electric/gas cars that are just hitting the U.S. market? Belmont's Lead-base Babbitts have long provided the low-friction properties that contribute to greater fuel efficiency.

Belmont offers a broad range of useful Lead-base alloys. Lead-base casting alloys are used in sculpture, jewelry and other decorative products. High percentages of Bismuth combined with Lead produce alloys known as Low-Melting or Fusible Alloys. Their low melting temperatures and unique growth/shrinkage characteristics allow for more useful applications than almost any other alloy system. From the machining of jet engine turbine blades to the grinding of eye glass lenses, from the triggering of a life-saving sprinkler system to the spring-release of a turkey roast's pop-up "thermometer," Low-Melting Alloys continue to have a quiet yet profound impact on our daily lives. Belmont has been making Low-Melting Alloys for over 65 years.

Trivia Question

Lead's ability to shield X-rays and other dangerous radiation both hinder and help a famous comic book hero. Who is this intrepid crusader for justice, and how does Lead affect his powers?



Answer: Superman's X-ray vision is blocked by Lead; however, Lead also protects him from the harmful effects of "Kryptonite," which can sap him of his super powers. To keep it out of the evil hands of Superman's many archenemies, Belmont does not stock Kryptonite; we do, however, provide Lead to any superhero in need of extra protection.

Missed an Issue? Here's a Convenient Way to Catch Up on Your Reading.

We hope you've been enjoying this "Metal of the Month" series. Just in case you've missed an issue, or you don't have an extra copy to share with a colleague, you can find all of the back issues on our web site, which, by the way, is a great starting point for metallurgical assistance. Just point your browser to www.belmontmetals.com, and the information you're looking for is only a click away!

