

EXPERIENCE, DEDICATION & QUALITY

ELECTRICAL CONTACTS



CMW® ENJOYS A LONG HISTORY OF MANUFACTURING

electrical contacts. Born of the Mallory Metallurgical Company, CMW chemistry, metallurgy, engineering and manufacturing are characterized by our experience, dedication and quality.



Our Engineering and Customer Service staff are available to help with any of your application, materials or production and shipping questions. Our experienced Production team is dedicated to manufacturing your contact parts and assemblies to the highest quality standards for on time shipping, and our Quality Assurance team is focused on ensuring that the contacts and assemblies that we manufacture for you, meet or exceed your quality expectations. From our application, process and metallurgical engineers to our supervisory and production associates to our quality assurance team, our experience is your first asset.



CMW manufactured electrical contacts are used in a wide range of applications to switch circuits from micro-Amps to thousands of Amps. Manufactured to your specifications, our contacts combine the capabilities of heavy plate copper blanking, forming, precious metal extrusion and working, powder metallurgy, brazing and machining. Our Electrical Contacts are used in various demanding applications such as in Transportation to switch DC voltage, in Aerospace to switch running lights and aircraft power, in Power Utility high voltage switches and breakers, and Industrial Controls for applications such as relays and material handling equipment.

CMW produces dozens of specialty contact materials to meet the diverse requirements of our customers including:

- » Silver, Silver alloys and other precious metals.
- » Silver semi-refractory materials.
- » Tungsten, Silver and Molybdenum bearing Elkonite® materials.
- » Some of our more widely recognized contact materials are our Silver Cadmium Oxide materials such as CMW® (previously Mallory) D54, D54F, D55 and D55F and our Elkonite® materials.
- » CMW Silver semi-refractory materials have relatively high electrical conductivity as well as other desirable features, such as low stable contact resistance and excellent resistance to sticking and welding. These properties are obtained by additions of cadmium oxide, nickel, carbon, magnesium, iron, or other elements/compounds.
- » CMW Elkonite® is a family of unique composite materials consisting of Tungsten, Molybdenum, or Tungsten Carbide combined with Silver or Copper. They are excellent contact materials for heavy duty switching applications. The high melting temperatures and high strength of the refractory metals give them a high resistance to arc erosion, welding, mechanical wear and deformation. The high conductivity metals provide good electrical and thermal conduction and a low contact resistance.

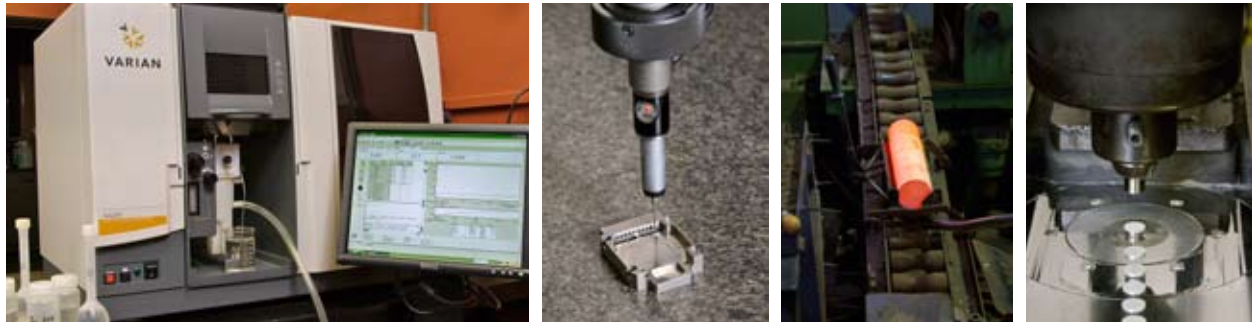
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CMW'S COMMITMENT » SUPERIOR QUALITY.

CMW enjoys a long history of producing superior quality in all its products. As an ISO 9001:2000 certified facility, CMW takes great pride in managing and continuously improving its robust quality system. The CMW quality system is focused on ensuring that quality is reinforced at every step of managing a customer order. Many of the products CMW manufactures involve a significant amount of critical detail that must be accommodated with the highest degree of accuracy.

CMW actively encourages and expects every employee to participate in the process of improving all elements of the business with which they come into contact. CMW's employees understand that only by way of continuous improvement will they be able to keep the company's leading position in place in an ever-more competitive global economy. CMW employs professionals, including chemists, metallurgists, metallography technicians, and dedicates its facilities and equipment to the quality function of our business. CMW has a first-tier reputation for quality in all markets it serves and we are dedicated to continued investment in all of these assets to protect this reputation.

CMW wants our customers and prospective customers to know that commitment to their overall quality experience is of paramount importance. Customer satisfaction at all levels is our own expectation.



FROM LEFT TO RIGHT: Atomic Absorption Material Analysis; Coordinate Measuring Machine; Pre-Heated Silver Billet; Automatic Contact Pressing.

About the Company » With its roots to 1916 as the Mallory Metallurgical Company, CMW operates in three primary business units dedicated to Silver-based electrical contacts, Tungsten-based high density metals and Copper-based resistance welding consumables. Numerous organizations have repeatedly recognized our company and its associates for safety, quality and continuous improvement programs. With an employment base including over 1,000 years experience in chemistry, metallurgy, manufacturing engineering and other industrial technologies, CMW operates a range of capabilities across the spectrum of manufacturing in its 6+ acre complex in the center of the United States.

We stand ready to assist you!

CMW is ISO 9001:2000 certified.

For more information about Electrical Contacts, please call our office or visit our website at www.cmwinc.com.

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