

A NEW INNOVATIVE AND COST-EFFECTIVE ELECTRODE

CMW® FINNCAP™ ELECTRODES

PATENT PENDING



CMW INTRODUCES A NEW AND REVOLUTIONARY ELECTRODE CALLED THE CMW® FINNCAP™ ELECTRODE

» The CMW® FINNCAP™ electrode utilizes internal “fins” to promote operating at lower amperages which results in a significant slowdown of the “mushrooming” phenomenon. This mushrooming of the weld face diameter promotes lessening the useful life of the electrodes. By operating at lower amperages, CMW® FINNCAP™ electrodes last significantly longer than standard cap electrodes. This slow down in weld face deformation also allows the customer to reduce electrode tip dressing that is needed to maintain weld nugget quality which results in increased productivity, energy savings, and reduced cost per weld. CMW® FINNCAP™ electrodes can also be successfully used in non dressing applications.

The CMW® FINNCAP™ electrodes are being successfully used in automotive robotic applications. Automotive plants have seen a reduction in the overall number of electrode caps used, increased number of welds in between tip dressing, lower operating currents and stepper rates. These improvements in manufacturing all contribute to overall cost savings when using the CMW® FINNCAP™ electrodes.

*Patent pending.

INNOVATIVE AND COST-EFFECTIVE



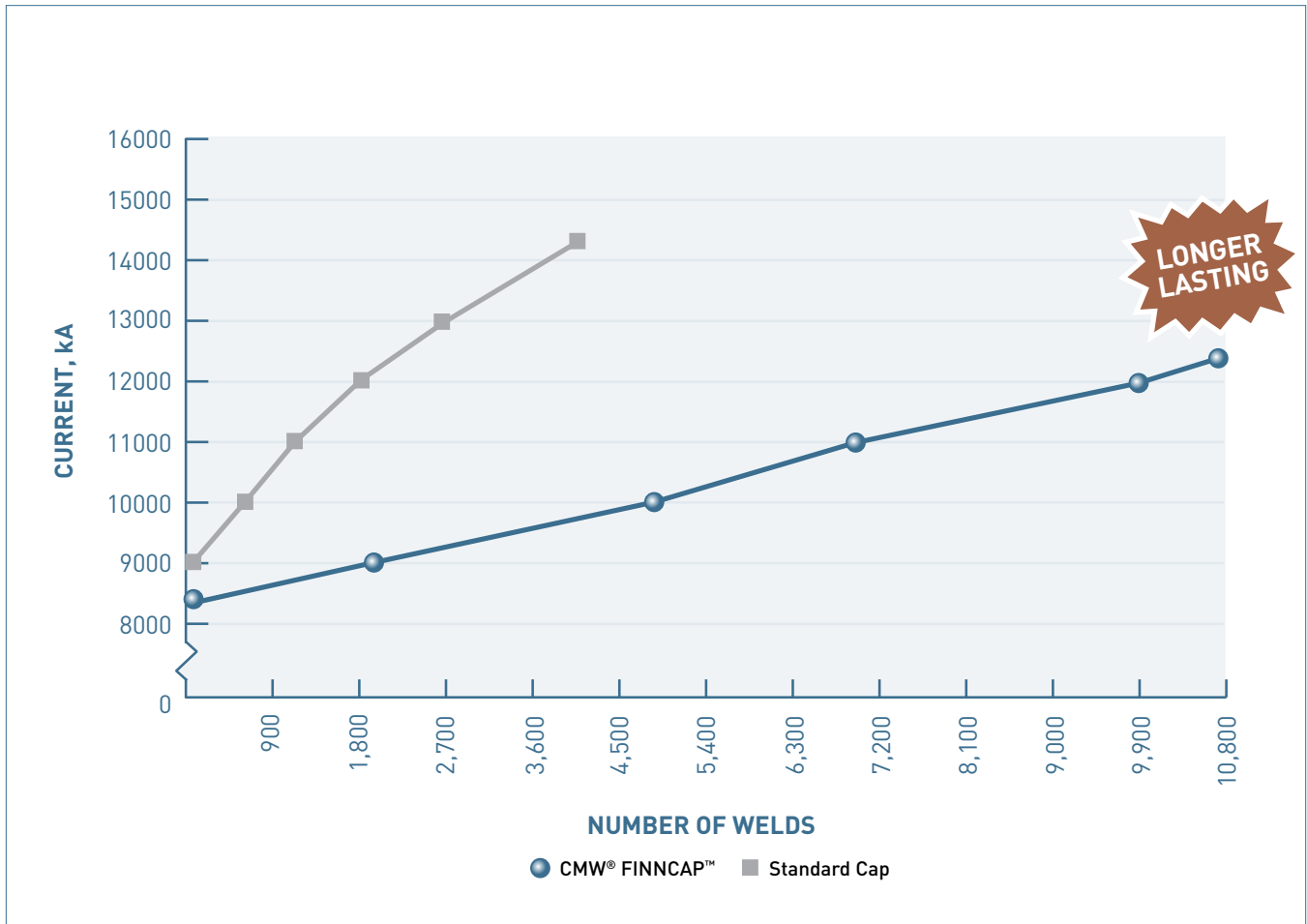
CMW® FINNCAP™ electrodes

BENEFITS AND RESULTS

- » **HIGH COST SAVINGS:** With up to 5 times the cap life customers have seen significant cost savings.
- » **LONG ELECTRODE LIFE:** Independent and internal testing has shown between 3-5 times the life when compared to standard cap electrodes.
- » **OPERATION AT LOWER AMPERAGES:** Customers have been able to lower the starting current by up to 10% as well as lower the amounts of current stepping when needed.
- » **LESS FREQUENT TIP DRESSING:** By lowering the current and slowing the weld face deformation customers have been able to weld much longer in between tip dressing.
- » **REDUCTION IN COST PER WELD:** With fewer cap changes, longer cap life and reduction in energy usage, customers have seen a significant cost savings when using CMW® FINNCAP™ electrodes.
- » **ALUMINUM WELDING:** The CMW® FINNCAP™ electrode has shown excellent results when welding aluminum in automotive applications.

RESISTANCE WELDING

Comparison of CMW® FINNCAP™ and Standard Cap Welding Double Sided Galvanized 0.035" Steel



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 CMW® FINNCAP™ electrodes, please call our office or visit our website at www.cmwinc.com.

RESISTANCE WELDING