

## News Release

FOR IMMEDIATE RELEASE

### McElroy Debuts 1LC Fusion Machine

#### *New design for butt fusing ½” CTS to 1” IPS pipes*

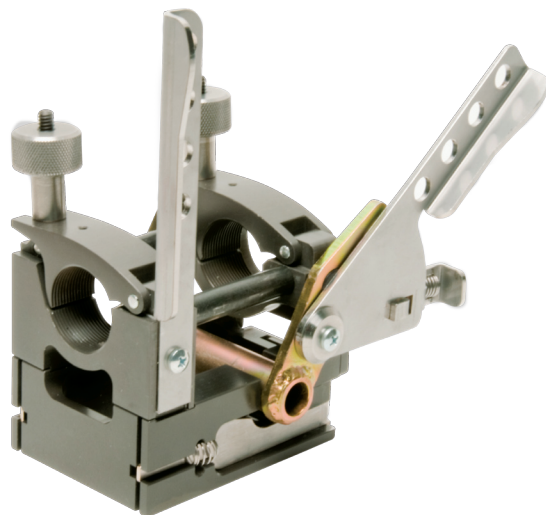
**TULSA, Okla. (July 6, 2010)** – McElroy, the pipe fusion experts, recently debuted the 1LC fusion machine. The 1LC is the tool of choice for butt fusing polyethylene pipes sizes from ½” CTS to 1” IPS (16mm – 34mm).

Engineered as an alternative to the popular MiniMc™, the 1LC design uses a more conventional design. The 1LC’s heater locates on guide rods built within the unit, similar to larger diameter machines in the McElroy family. Pipeliners that own a MiniMc, which fuses the same pipe sizes, can use the same inserts within the 1LC.

“The McElroy 1LC puts tried and true technology into our smallest fusion machine,” said Chip McElroy, president of McElroy. “Other standard features that make McElroy the toughest fusion machines in the world have also been incorporated into a fusion machine that we believe will be extremely popular.”

With a locking cam system, the 1LC maintains necessary force during the cooling cycle of the fusion process and incorporates a 3.8-to-1 mechanical advantage. McElroy’s patented Centerline Guidance System, which provides equal distribution of force around the joint, is included in the design, as are serrated jaws and inserts to keep the pipe from slipping during fusion.

Two models of the 1LC are available for sale. One model requires a 100 to 120 volt input voltage requirement, while the other uses 200 to 240 volts. Each 1LC includes the fusion machine, heater, facer, insulated heater sling, ratchet wrench, screw/driver kit and case.



*The new McElroy 1LC (left). The 1LC brings two ends of pipe together to complete a butt fusion joint (above).*

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### **100-Word Description for Product Spotlights/Reviews**

The McElroy 1LC is a fusion machine designed to fuse ½” CTS to 1” IPS (16mm – 34mm) polyethylene pipe. Engineered as an alternative to the popular MiniMc™, the 1LC employs a locking cam system to maintain force during the cooling cycle and a more conventional design. For operators that own the McElroy MiniMc, the jaws of the 1LC can use the same inserts that are used with the MiniMc. The 1LC offers a 3.8-to-1 mechanical advantage and uses the McElroy patented Centerline Guidance System for equal distribution of force around the joint. For more information or to find a distributor, visit [www.mcelroy.com](http://www.mcelroy.com).

### **About Pipe Fusion:**

Pipe fusion is a widely accepted process that joins two pieces of thermoplastic pipe together with heat and pressure. Commonly associated with high-density polyethylene pipe (HDPE), the butt fusion process starts by “facing” or shaving the pipe ends simultaneously so that they can be joined together with heat to create a continuous, sealed pipeline. The welding of the pipes is accomplished by using a hot plate in contact with the pipe ends, which heats the plastic to a molten state. Then, after its removal, the ends are pressed together under a controlled force to form a weld that is as strong as or stronger than the pipe itself. Third-party industry research indicates that HDPE pipe and joints can have a lifespan of more than 100 years.

### **About McElroy Manufacturing, Inc.:**

Founded in 1954, McElroy Manufacturing has grown from a two-person start-up in an Oklahoma garage, to the industry leader in the science of joining thermoplastic pipe. The name McElroy is recognized worldwide as the most reliable, efficient, rugged and technically advanced fusion equipment in the world. McElroy holds dozens of U.S. and foreign patents on fusion-related equipment. The company credits its marketplace leadership to an unyielding focus toward excellence. For additional information, please visit the McElroy website at [www.mcelroy.com](http://www.mcelroy.com).

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#### **Additional Website Links:**

McElroy on Twitter – [www.mcelroy.com/twitter](http://www.mcelroy.com/twitter)  
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