



COMPLETE
METALWORKING
SOLUTIONS

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The maker of the Lightning Rail – the first automated marking machine created specifically for the layout of stairs and railings.

Cut Fabrication Time by More Than 50%

Time between jobs is drastically reduced – the marking ink takes only minutes to remove using a biodegradable, unscented solution.



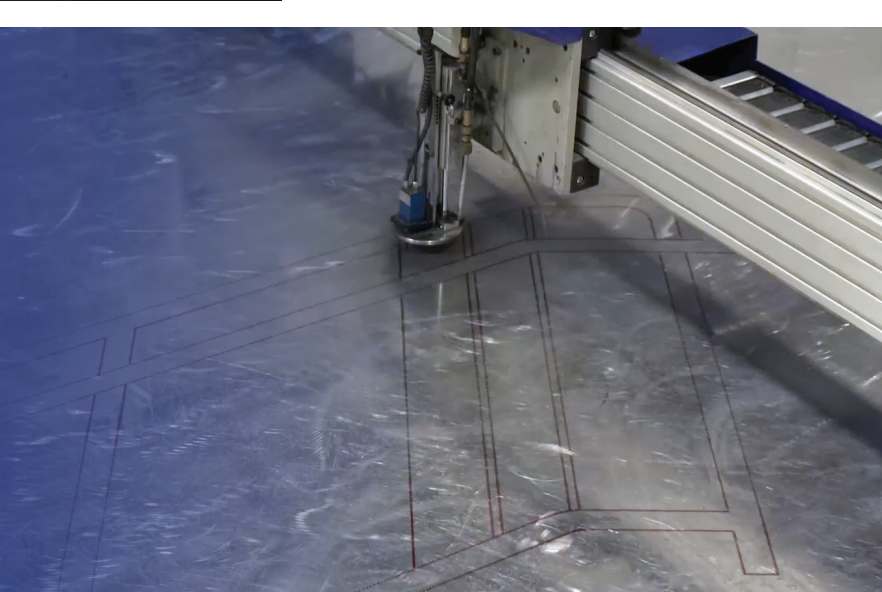
Ensure the Highest Level of Accuracy

The Lightning Rail works with DXF files to quickly and accurately print your entire layout in minutes, allowing the fabricator to place their fabrication parts within the outlines.



Boost Your Profit Margins!

For the fabricator looking to maximize their production time and most importantly, profits, the Lightning Rail is a smart decision.



The maker of the Lightning Rail – the first automated marking machine created specifically for the layout of stairs and railings.



Introducing the Lightning Rail, the first fully-automated CNC marking machine created specifically for the layout of commercial stairs and railings. From picket railings, stair stringers, ladders, and more, the Lightning Rail provides a layout in any configuration by transforming your designs to a printed layout on a rigid steel-framed table.

The Lightning Rail drastically reduces the time it takes to lay out stairs and railings. In just minutes, the layout is transferred to the fabrication table, ready for materials. Forget about the countless hours spent with tape measures, squares and soapstone.

Production time is cut by more than 50%. Fabricators load their drawing to the controller and just press print. They can then start gathering their materials for the project while the layout is happening.

As an example, a single handrail project using a traditional manual layout could take more than 4 hours to produce. With the Lightning Rail, that production time could be just under 2 hours, if not faster. A layout that normally would take 2 1/2 hours using the traditional method can print onto your surface in just over 5 minutes. As a second example, eight stair stringers can lay out in as quick as 15-20 minutes. Geometry skills not required!

- The Lightning Rail's straight-forward interface is intuitive to operate and works with any DXF file.
- Its compact design can fit easily into your existing fabrication environment.
- Its unique functionality can also be used on complex designs and to lay out many other items.
- Layouts wash off with a simple odorless, biodegradable solution.
- Tables are offered in 4-foot or 8-foot widths.
- Table length is just under 30 feet.



TECHNICAL SPECIFICATIONS

MESSER GLOBAL CONTROL

- Windows 10 IoT Enterprise 2016 LTSB, 32-Bit
- 15" LED color touch screen
- ≥ Intel®, 2.2 GHz, 2 cores
- ≥ 2 GB DDR3L - RAM
- ≥ 2.5", 320 GB SATA hard drive
- EtherCAT I/O bus communication system
- 10/100/1000 MBaud Ethernet port (Standard)
- Wireless hardware for connection to customer-supplied network (optional)

MARKING EQUIPMENT

- This system produces a dot approximately 1/8" (3mm) wide. A series of these dots can be used for line, arc or character marking.
- IP65 certified (wash down and dustproof, not waterproof) for industrial environments.
- Red ink is included (other colors available).
- Mechanical fuse collision protection system.
- Operates in 23 ° to 113 ° (-5 ° to +45 °). 10% - 90% non-condensing humidity.