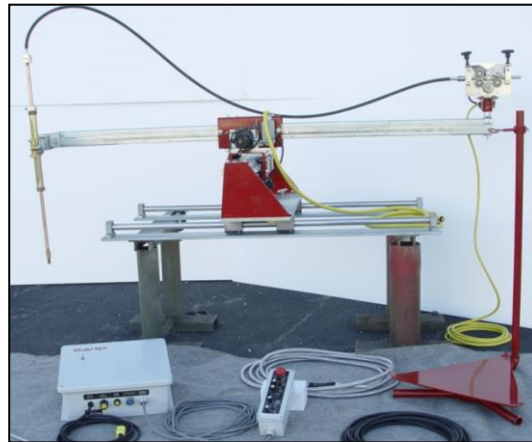




CUSTOM EQUIPMENT

While we sell standard configuration systems most of what we sell has some customization to it. The following photos provide a brief look at systems manufactured by Mavrix.

The system to the right was made at the request of the customer to allow them to permanently mount the welding system next to the machine and retract it out of the work zone when not in use.



The system to the left was built for the steel mill slab caster roll resurfacing. The customer had the turning lathe and mounted the single beam. This machine also has a PLC for position control and powered torch adjustment.

The system to the right was built complete by Mavrix. It included the headstock, tailstock, pre-heat burners, and angular axis adjustment and in the final configuration included a water cooled torch.

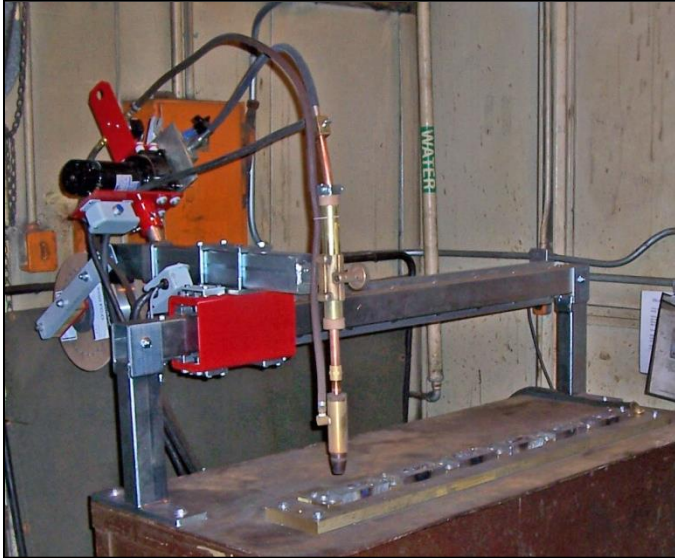


FOR MORE INFORMATION, PLEASE CALL, WRITE or EMAIL

MAVRIX AUTOMATIC WELDING

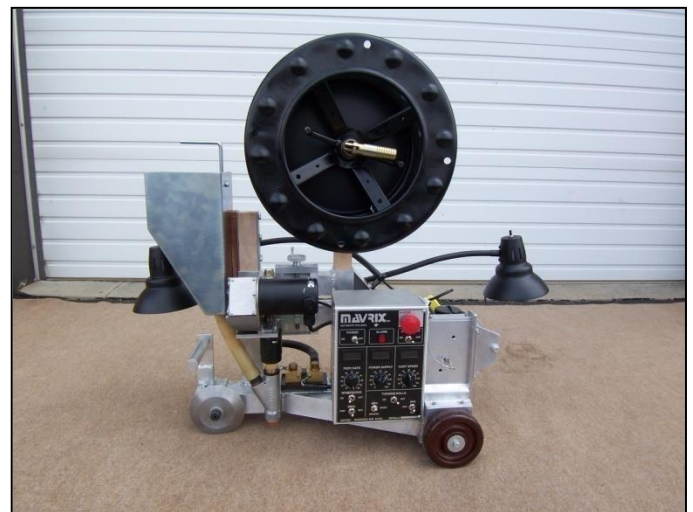
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The system to the left was a special welder that would perform skip welding on sample plates for metallurgical evaluations. The customer shipped the fixture and base to our factory and we mounted the side beam version Vers-O-Weld.

The machine to the right is a custom welding cart for welding the inside of railroad tank cars. With automatic level adjustment, the cart is lowered into the tank and aligned to the seam. Integrated with the customer supplied turning rolls the cart used the level sensing circuit to control the speed of rotation. The design included a hopper for sub arc welding process.



We often get asked to build custom controls for people who are making their own equipment. The control to the left is used to run 6 wire feeders in a plate overlay application.

Other controls can include drives for table and roll movements. If you want to design the equipment and need help with the welding controls give us a call, we would be happy to discuss your project with you.

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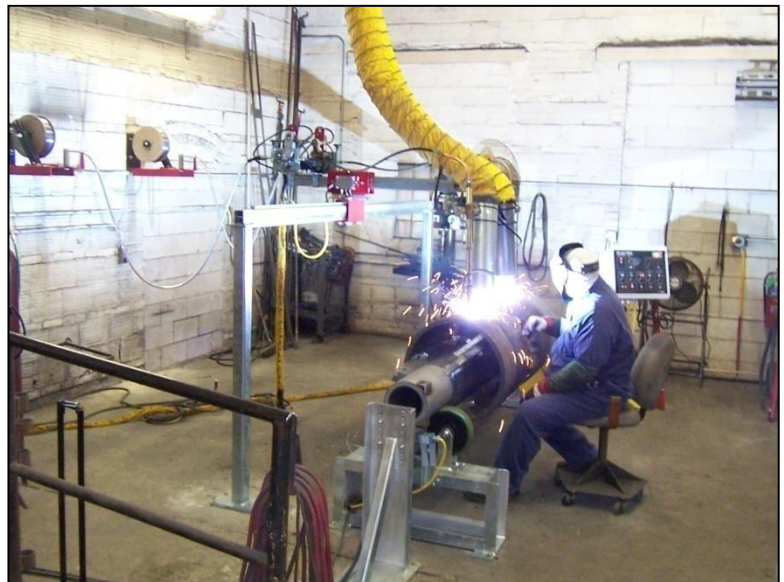
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The photos below were from a custom machine for welding cultivator sweeps. A simple table top machine with two fixture locations, the torch welded using a weave motion and laid a hard surface material to extend the life of the sweeps. Due to the curvature of the sweeps a PLC was added to our control to follow the curve.



The machine to the right was a dual torch welding system for hardfacing the OD of the part. Mavrix manufactured this system including the turning rolls.



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