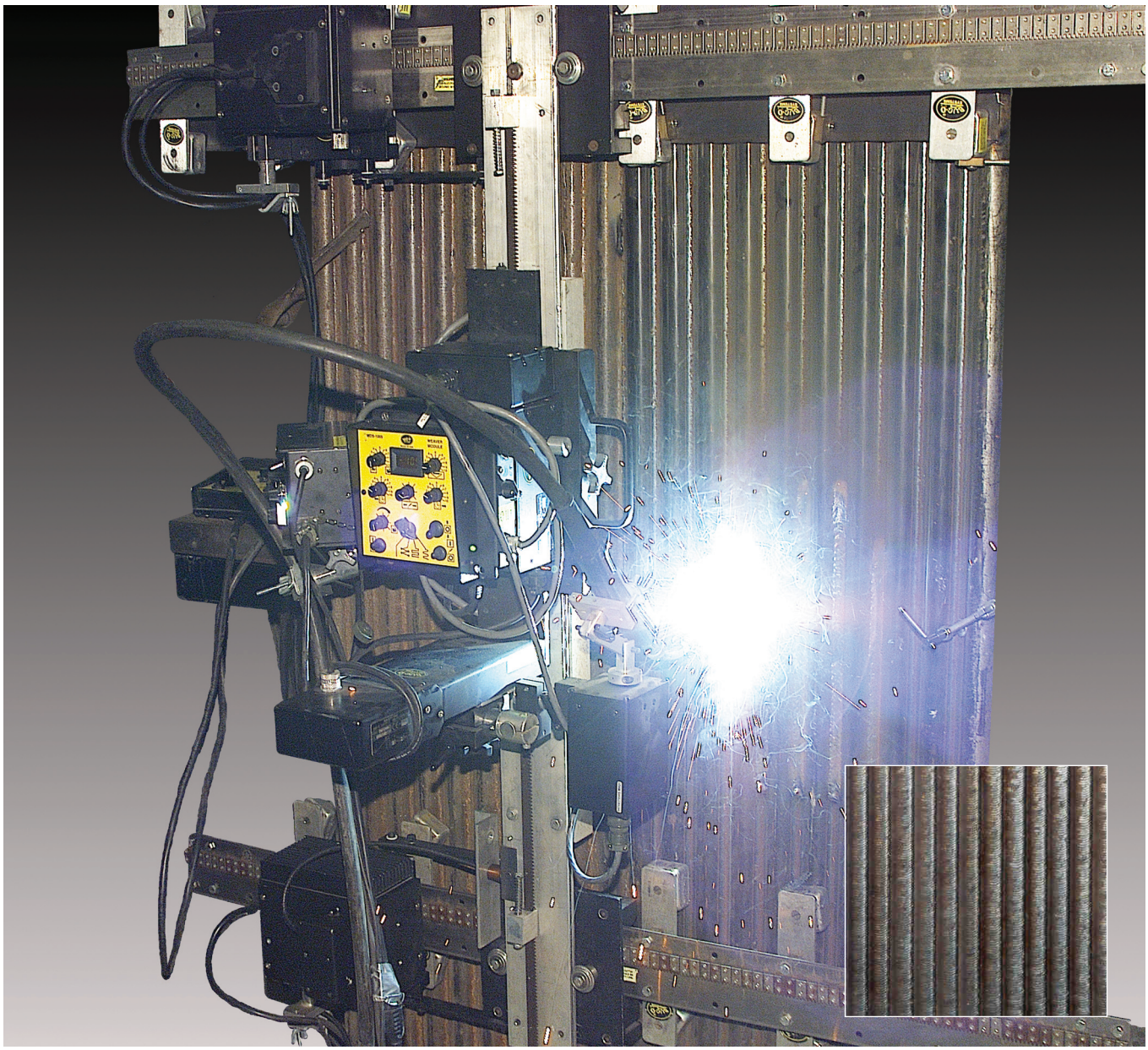
All Position Overlay System

Custom configured systems for your specific application to increase arc-on time and weld quality.



The All Position Overlay System is designed for pulp digesters, boiler tube walls or any vessel or surface that requires over-lay repair. The system will travel at a regulated, precise travel speed producing consistent uniform overlay patterns. A welding current sensor monitors and controls the torch arc length on pitted or irregular surfaces. The system can be customized for job specific applications on circumferences or flat walls and can be configured to handle a variety of operating windows. The whole system is portable and can be broken down into small pieces for moving thru small manholes or openings.

BUG-O SYSTEMS

A DIVISION OF WELD TOOLING CORPORATION

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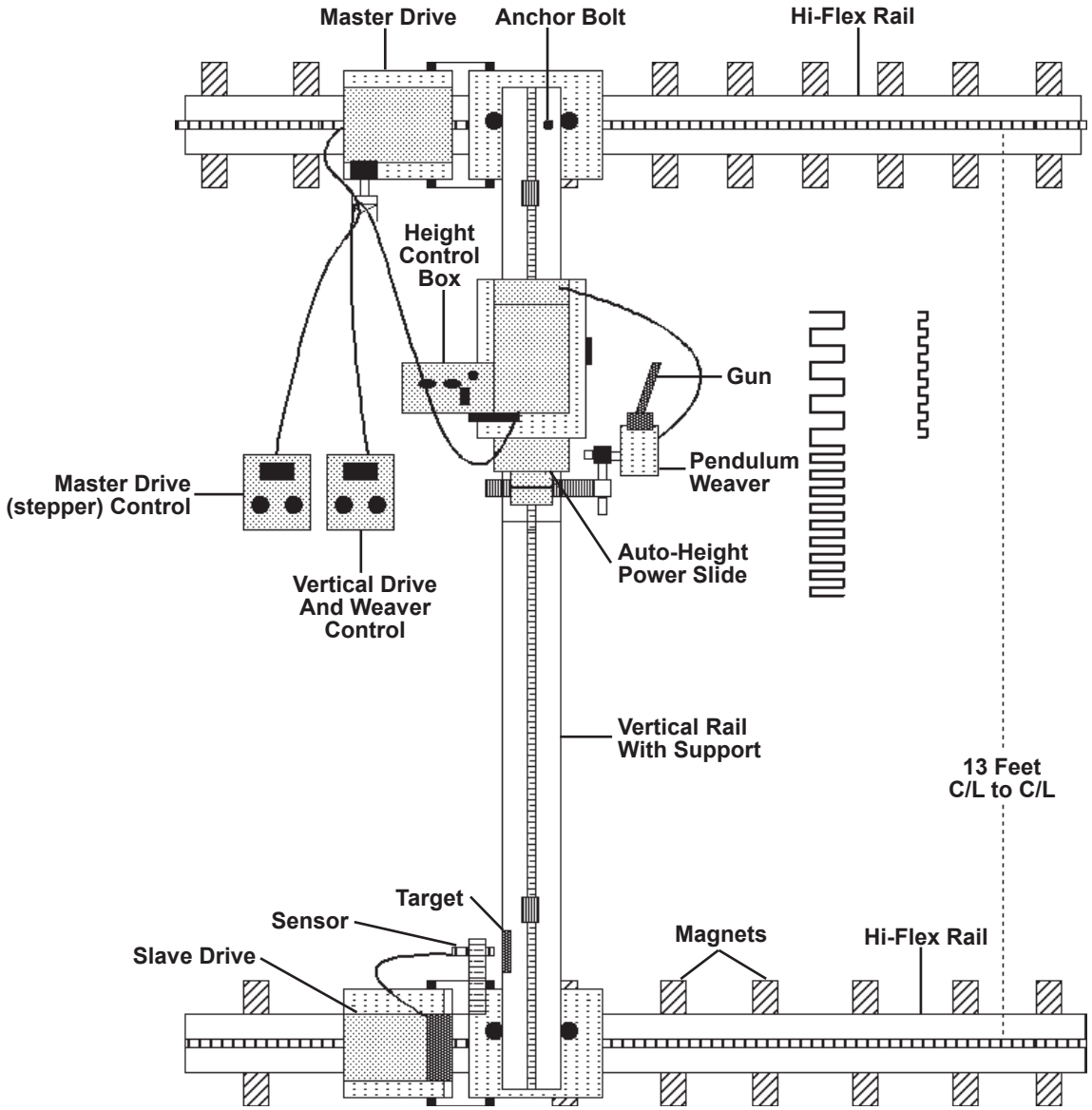
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Utilizing BUG-O MODULAR DRIVE SYSTEM components, the unit provides precise, repeatable travel patterns with a coverage area of 11' (3.35 m) vertically by 8' (2.4 m) horizontally. The vertical height can be customized and the horizontal length can be expanded indefinitely by adding standard BUG-O rails and magnets.

Two Horizontal travel carriages, with full function pendant control, run on parallel rails supporting the vertical rail and tractor and provide adjustable horizontal stepping position . These rails and carriages can be provided for either straight (rigid rail) or curved (flexible rail) work.

The vertical tractor carries the welding gun. Travel speed range is 2-120 ipm (50-3000 mm). The vertical tractor, with full pendant control, includes pendulum weaving, automatic gun work height control and a cycle select module. This module can be preset for one of three cycles; continuous cycle, bi-directional stop at limit or rapid return at limit to start position. Systems can be adapted for horizontal/step-up welding.

All systems are custom configured for your application. Contact BUG-O SYSTEMS to discuss your requirements.



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