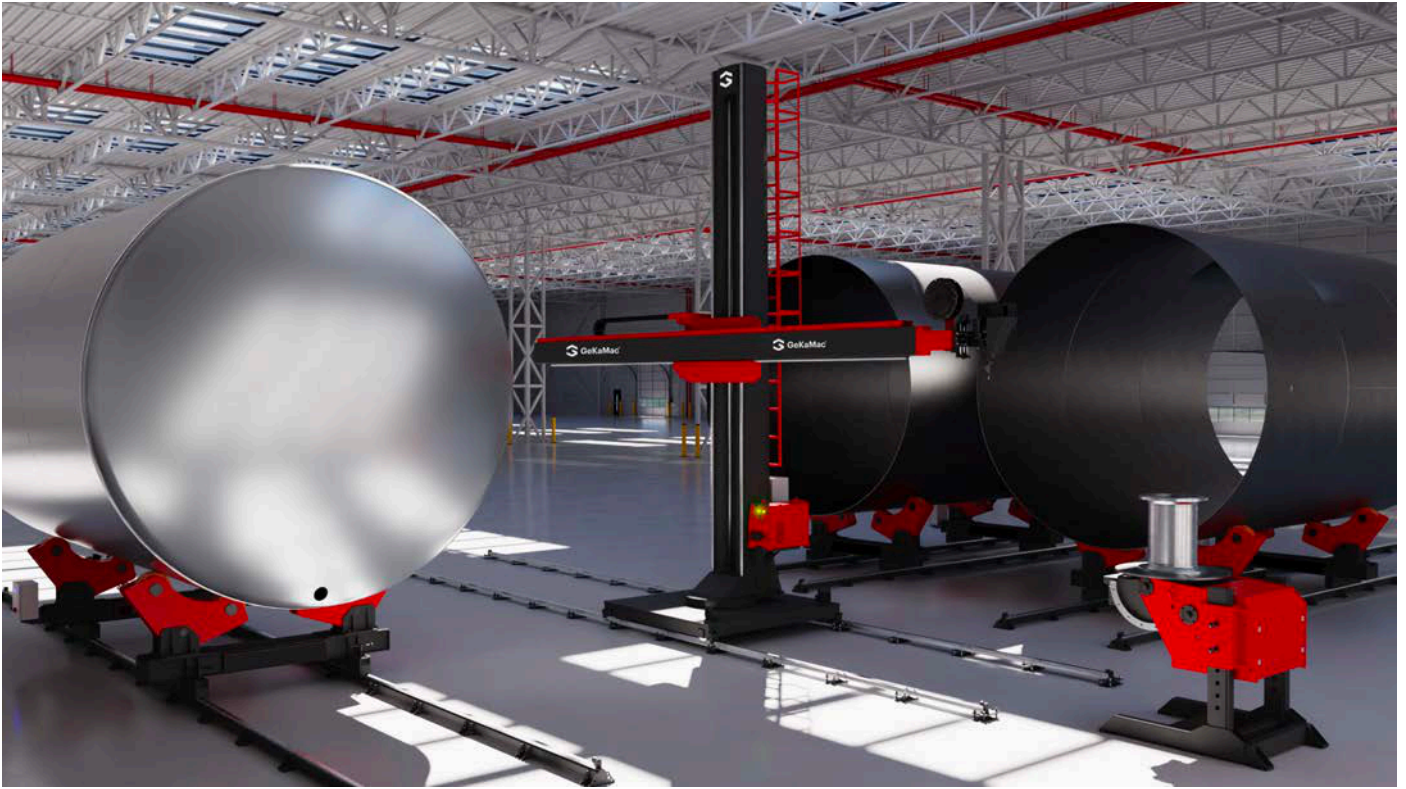


COLUMN BOOM WELDING SYSTEMS

Column boom systems are systems used to optimize industrial production processes and offer versatile solutions. These systems enable welding at different diameters and long distances with the help of a converter or positioner. With the system and automatic walking rail systems, it is possible to perform precise welding operations over a wide area.

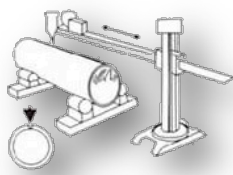
Column boom systems offer great advantages in terms of both quality and control with their user-friendly design. The system enables operators to easily manage the process with innovative features such as a digital speed indicator and a multi-functional remote control. It also ensures the safety of movements with its security systems, enabling production to continue uninterrupted.

Column boom systems have a wide configuration capability depending on the application areas to be used, providing flexibility to weld in different positions.

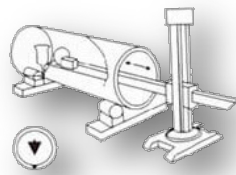


What Can Be Done with Column Boom

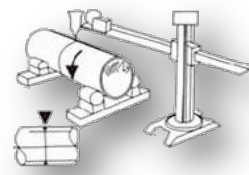
- With the converter system integration, circular and linear welds can be made on pipe-type products by accessing both the inner and outer surfaces of the workpiece.
- Linear welds can be made on box profiles, beams, and other materials by adding a walking rail.
- By integrating with positioner systems (turn table, head & tailstock, L-type, etc.), circular, linear, and vertical welds can be performed on various types of workpieces
- By adding a rotating table or rail under the column, it can operate with multiple welding stations
- With the integration of two column booms, it can perform welding on pipes from both the inside and outside simultaneously
- In addition to the welding machine, it can be connected to an oxygen and plasma cutting unit to form a cutting system



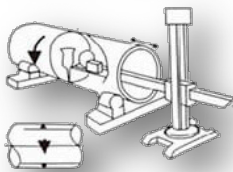
External Longitudinal Welding



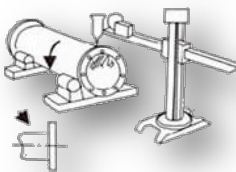
Inside Longitudinal Welding



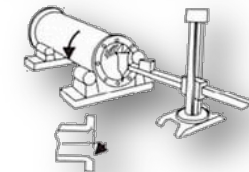
External Circumferential Welding



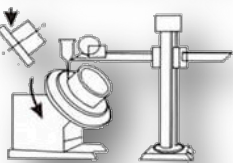
Inside Circumferential Welding



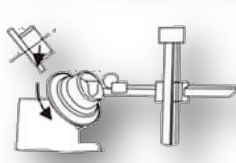
External Flange Welding



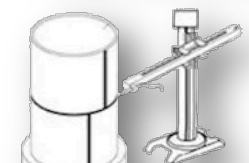
Inside Flange Welding



External Flange Fillet Welding



Inside Flange Fillet Welding



External Circumferential Welding
External Longitudinal Welding

Advantages of Column Boom Systems

- High load capacity ensures safe and precise welding of large and heavy workpieces.
- The combination of a vertical column and horizontal boom provides three-dimensional movement, allowing the welding torch to precisely reach every point of the workpiece.
- Integration with welding machines enhances functionality and simplifies the welding process.
- Reduced welding time.
- Improved welding quality.
- By integrating multiple stations, preparation can be done at one station while welding is performed at another (shortening overall work time).
- Two different systems (e.g., a turning roll + positioner) can be integrated for functional use in the manufacturing of various workpieces.
- Desired welding characteristics (WPS) can be achieved.
- Different welding areas on a workpiece can be welded with a single machine.