

Column and Boom Welding Machine

The column and boom welding machine is designed for circumferential and longitudinal welding of cylindrical or conical workpieces. It provides precise positioning and movement of the welding head, ensuring consistent and high-quality welds.



Overview

Precision Welding Manipulator

This column and boom welding machine, often referred to as a welding manipulator, is engineered for high-precision circumferential and longitudinal welding of cylindrical or conical workpieces. By providing stable positioning and movement of the welding head, it ensures consistent, high-quality weld seams across various industrial applications. It is a versatile solution designed to integrate seamlessly into heavy-duty manufacturing environments.

Technical Capabilities

Primary Functions

- Longitudinal welding
- Circumferential welding
- Precise welding head positioning

Compatible Welding Processes

Submerged Arc Welding (SAW), Gas Metal Arc Welding (GMAW), Gas Tungsten Arc Welding (GTAW)

Industrial Applications

Suitable Industries

Pressure Vessel Manufacturing • Shipbuilding • Pipeline Construction

System Components

Core Components

- Column
- Boom
- Welding Head
- Control System