The Power of Collaboration
Working for You

PartnerNetwork™ Solutions from Rockwell Automation

Intelligent solutions with AS-Interface and AS-i Safety
- AS-i Master / Links / Scanner
- AS-i Gateways / Modules / Slaves
- AS-i Safety Components
What can Bihl+Wiedemann do for Rockwell Automation customers?

Bihl+Wiedemann GmbH in Mannheim, Germany, is one of the leading companies in terms of safety technology and electronic components for the automation technology with AS-Interface. Our product line contains a wide range of AS-i Masters and Slaves that perfectly fit into Rockwell Automation systems.

**Company Profile**

Bihl+Wiedemann GmbH was founded in 1992 in Mannheim, Germany, by Jochen Bihl and Bernhard Wiedemann. The highly specialized engineering company offers gateways that connect AS-i to all systems commonly used in automation, such as in-chasis AS-i Masters for Allen-Bradley® ControlLogix® and/or Allen-Bradley CompactLogix™/MicroLogix™, as well as gateways to EtherNet/IP™ and DeviceNet™. The company is among the top names in the field of safety technology using AS-i Safety at Work.

**Industries**

By choosing products from Bihl+Wiedemann, you are together with many well-known users in factory, process and building automation. Our main customers are machine builders in different industries. Additionally, we supply our solutions into the transportation sector (ship, rail, road).

**Applications**

The products from Bihl+Wiedemann are used for safety and non-safety applications in machines and systems of all sizes, including conveyor lines, high-rise racking systems, packaging machines or machine tools as well as process systems such as dairies, chemical, water and waste-water systems.

**Bihl+Wiedemann products complement Rockwell Automation product offerings with:**

- AS-i 3.0 Master/Scanner for Allen-Bradley ControlLogix
- AS-i 3.0 Master/Scanner for Allen-Bradley CompactLogix/MicroLogix 1500
- AS-i 3.0 EtherNet/IP+Modbus TCP Gateways
- AS-i 3.0 EtherNet/IP+Modbus TCP Gateways with integrated Safety Monitor
Why should you choose Bihl+Wiedemann products to complete Rockwell Automation solutions?

**AS-i 3.0 Master/Scanner for Rockwell Automation ControlLogix/CompactLogix/Micrologix**

The Bihl+Wiedemann AS-i Master allows connecting an AS-i network to a ControlLogix, a CompactLogix or a MicroLogix 1500. The set up is carried out in a fast and easy way via Add-on-Profiles. Utilizing AOPs provided by Bihl+Wiedemann, AS-i I/O data and status information are mapped into the PLC processor’s I/O data. Additional Add-on-Instructions copy the data into more simple structures for easier understanding. Diagnostics that go far beyond the standard diagnostics facilitate the simple detection of any possible configuration errors and further issues in the AS-i communication. The diagnostics also allow preventive maintenance and in case of an error the down time of machines can be minimized.

**AS-Interface Gateways**

By using the AS-i Gateways from Bihl+Wiedemann, you can transmit digital and analog data, that has been read remotely through AS-i Slaves to the host controller and send the output signals from the host controller to the actuators over the respective bus system. The Gateways communicate according to the AS-i 3.0 standard, and therefore ensure optimal data exchange. They are easily and quickly installed and commissioned using AOPs as well. The user benefits from a wide variety of included diagnostic functions such as duplicate address detection, ground protection and EMC monitoring.

**Safety Monitor**

Bihl+Wiedemann provides Gateways with integrated Safety Monitor and interfaces for the most commonly used automation systems. This presents the most efficient method for safely constructing systems requiring an easy and simple wiring. Employing our “Safe Link”, a technology to connect multiple Gateways safely over Ethernet, even large applications with up to 1922 safety I/Os can be implemented.
Since 1992, Bihl+Wiedemann is synonymous for outstanding products and services for automation technology such as development and production of AS-Interface products, consultation in solutions with AS-Interface and AS-i Safety at Work, training on AS-Interface and AS-i Safety, customer specific solutions for automation and client specific developments for fieldbus communication and components. In addition to the company's headquarters in Mannheim, Bihl+Wiedemann has subsidiaries in Turkey, Denmark, USA, and China. International sales partners ensure Bihl+Wiedemann's presence around the world.