Quad Plus®

Gauging Systems

Computerized Measurement and Control During Production

Quad Plus web gauging systems provide real-time measurements to reduce variances of your flat products and materials during production. From paper mills to metal processing, our state-of-the-art scanning technology can seamlessly integrate into your existing control system and production line. We help you determine the correct technology, configure the frame for optimal performance, install the system, train the operators, and provide support. Our gauging systems are a full turnkey solution with minimal downtime.

Custom Scanning Frames

A variety of frames allow for customized applications specific to your configuration. Scanning frames are available in I-Frame, O-Frame, and C-Frame.

Sensor Technology

We offer a variety of sensor technologies such as BETA (Sr-90 and Kr-85), terahertz, x-ray, laser, color detection, microwave, and infrared. Our web gauging experts will help you to determine which sensor is best for your application.

Software and Reporting

Make use of the data collected to reduce waste and cut costs.

Gauging System Advantages

Long-term and real-time data can help improve your operations and profits.

Premium Installation and Support

Qualified experts and technicians to support you throughout the entire process, from initial planning to after-installation support.

Gauging System Software and Reporting

We use the best gauging software available on the market today. The software uses proven control algorithms to reduce startup waste, enable you to run closer to targets, and save on the amount of material used in the process.

During production, the software interprets data readings from the scanning frame and then presents the data to operators in an easy-to-understand display for the current production batch. This can allow them to identify issues as the line is running.

As the systems are scanning, data is stored in a database for further reporting and analysis after production. First, the reporting tools allow you to filter data down to the control zone to help identify issues in your production line. The problems can then be corrected to prevent further quality issues. Second, You can also compare the scans to each other to identify products that do not meet your quality standards, so you can pull these products before they are sent out. And, finally, real-time displays and reports can be customized, allowing you to focus on the data that matters most to your operations.

How Gauging Systems Improve Operations

Maximize Raw Materials

Our gauging systems allow you to monitor the thickness of your product with such precision that you can reduce the thickness by as little as 0.01mm and realize significant annual savings. For example, in tire production, a typical plant might allow as much as a 0.025 reduction in gauge, resulting in over $1.2 million in annual savings.

Reduce Waste

Production defects cause waste and use resources such as raw material, labor, energy, and time. Defects provide no value to customers and have an impact on your bottom line. Our gauging systems give you the ability to identify defects in real-time, so you can correct issues sooner and minimize waste.

Improved Production

As your production line and gauging system run in parallel, you'll be able to identify and correct product defects before they occur. Your output yield will be increased as your production line will run without serious interruptions and extended downtime.

Premium Installation, Training, and Support

When you purchase a gauging system from Quad Plus, you are getting much more than the hardware and software. You are partnering with a team of qualified experts and technicians that will be available to you throughout the entire process, from the initial planning all the way through to after-installation support. Our goal is to make your gauging system a success. We do that by providing the support team needed to select and install the best system to meet your needs, train your staff, and get the most out of your system.

Connect with us

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