



# Quad Plus®

## Web Gauging Systems for Building Products

### Foam Sheet Production



A Quad Plus gauging system will ensure you are producing high quality building materials that improve your product quality and bottom 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.

#### Premium Installation and Support

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

#### 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 for Foam Sheet Production



Two important measurements in foam production are thickness and density. Online measurements give operations and process control engineers the information needed to better control the end product. This will result in a product made tighter to specifications and can give the manufacture tremendous cost savings.

Quad Plus uses Terahertz to accurately measure product thickness and density on a traversing scanning system. This will allow us to give operations full product profiles for both thickness and product density. Online measurements allow operations to make timely adjustments to the process to reduce startup scrap, tighten production tolerances and increase cost savings by reducing the amount of material sold.

Terahertz is non-ionizing radiation that is safe for operations, requires no licensing or special safety requirements, unlike X-ray or Beta transmission systems.

# 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.



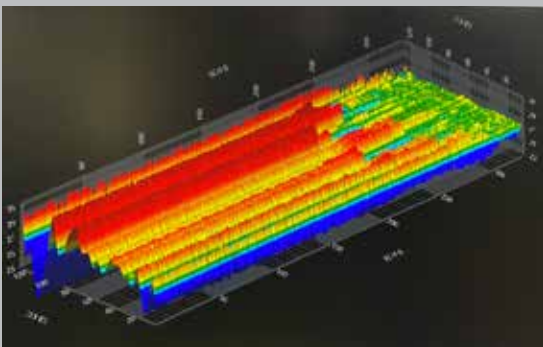
## Reduce Waste

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.



## Gauging System Software and Reporting

Our software takes the data collected during the process and implements this into an HMI system that is easy to understand by operators and gives information at just a glance of the screen. We provide CD (cross direction) and MD (machine direction) trends that show pertinent information about the process. We also have 2D and 3D models of the data to make a better visualization of the process.

Long term reporting and storage of product data can be useful for tracking and verification of issues at a later date. Our software stores the data for each production batch in a database that can be accessed at a later date for evaluation.

Connect with us



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