



Engineered Systems & Solutions

Beyond Weighing Technology





The Power of Technology

▶ **Markets Served**

With twelve offices in the U.S., and customers throughout the world including China, Australia & South America, KSS maintains a diverse customer base while serving several markets and industries such as: Mining and Minerals, Chemicals & Plastics, Automotive, Construction, Utilities and Manufacturing.

Our expertise far exceeds industrial scales and weighing applications. Our engineering group specializes in diverse solutions for process control, material handling and data management applications. We deliver customized solutions around the world that provide a more efficient and cost-effective way of doing business. KSS is your technology solution for today's industrial automation needs.

Experience and Innovation

You have known us since 1954 as an innovative leader of cutting edge weighing products and systems, ranging from floor scales, tank scales, truck scales and rail scales to our flagship product, which has become the standard for rail loading and weighing systems around the world...the BatchMaster™ loadout. But, did you know that we have developed an extensive capability for our company beyond weighing solutions?

Customized solutions



The Power of Solutions

▶ **Engineering Services**

We offer total flexibility, by working with plant operations for stand-alone control systems, to provide totally integrated turnkey solutions.

- **PLC / HMI Design & Programming**
- **Networking Integration**
- **Motor Control Center (MCC) Design & Configuration**
- **Custom Control Panel Design, Layout & Assembly**
- **Web Based Solutions**
- **AutoCAD Design**

▶ **Material Handling Integration**

Process control and automation are critical when integrating material handling processes into your plant-wide control network. Our engineering group has the experience to select the proper equipment and design the control system to optimize your operating efficiency for material handling applications such as:

- **Conveying**
- **Palletizing & Indexing**
- **Drum filling**
- **Bagging**
- **Batching**
- **Blending**
- **Level Monitoring & Control**
- **Vision Systems**

▶ **Additional Services**

In addition, KSS can design and supply the various mechanical equipment and components for your material handling systems. We specialize in the design and supply of:

- **Bins & Hoppers**
- **Gates & Chutes**
- **Control Valves**
- **Hydraulics & Pneumatic Systems**

Bottom line...Kanawha Scales & Systems provides the answers for all your automated production needs.



Bulk material handling and weighing applications





“Our customer-centered approach assures that customer needs are defined up front and that performance against expectations is measured and managed every step of the way!”

Technical Support

It's an old cliché, but we built our company around it: The Customer is **NUMBER ONE!** We provide 24/7 customer service for all of our systems because we realize that minimizing downtime is critical. Our field support team is highly trained to provide on-site repairs and maintenance.

We collaborate with most major manufacturers within our support network.

We also support our customers on-line with remote access tools to solve problems requiring **immediate** action.

In a world where technology is a major driving force behind future economic growth, Kanawha Scales & Systems stands ready with a full array of quality products and services.

Custom Panel Fabrication

KSS has a comprehensive in-house panel fabrication department to ensure that the closest attention to detail is maintained and that every panel is tailored to fit the precise application of the PLC or control for which it was intended.

We manufacture panels for various environments from general purpose to explosion-proof rated enclosures. KSS panels are constructed with components from such top manufacturers as Allen Bradley, Hoffman, Weidmuller, Idec, Cutler-Hammer and Sola.

Our panel fabricators take pride in providing our customers with high-quality units, with exactness in assembling, wiring and labeling techniques.



Remote data terminal and printer



Precise wiring and labeling



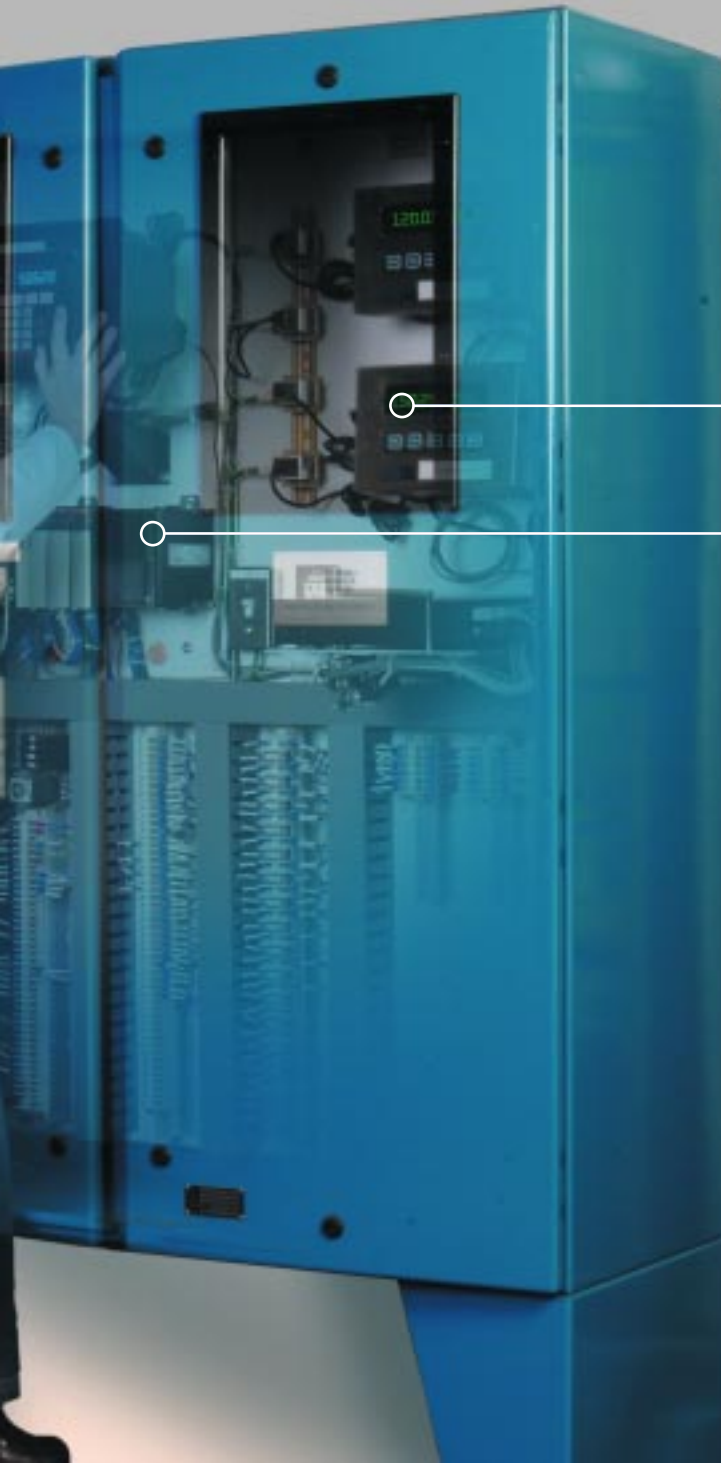
24 hour service



PLC control systems are the heart and soul of almost every industry for process control and automation. KSS is a leading edge integrator, providing programming, engineering and installation of PLC systems for corporations of all sizes.

PLC / Control Systems

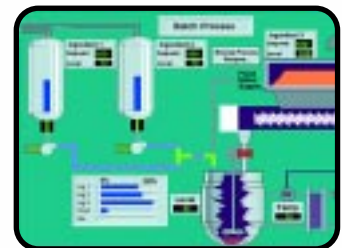
We offer systems from simple stand-alone PLCs to larger networked systems by utilizing industry standard networks such as: ControlNet, DeviceNet, Profibus, Modbus Plus and Ethernet.



HMI Systems

KSS designs easy-to-use Human Machine Interface (HMI) systems customized to fit your application. An HMI system is the focal point where the operator monitors and directs your plant processes, information, alarms and messages from your various equipment and controls. A properly designed HMI/PLC system allows your plant personnel to view critical process information and adjust system parameters, ensuring optimum performance of your operation.

At its simplest, an HMI may be a control panel with indicator lights, selector, switches and push buttons. More sophisticated HMIs use distributed networked equipment to display process information and provide control capabilities where they are needed.



We provide maximum flexibility by providing industry standard HMI solutions such as:

- **RSView**
- **Intellution**
- **PanelMate**
- **Wonderware**
- **Citect**
- **PanelView**

▶ **Specialty Products & Solutions**

Our products, services and people deliver enhanced performance and continuous technological innovation with unmatched experience. In addition to the PLC control and HMI systems, KSS also provides: database design & development, networking design, web services & reporting and Statistical Process Control (SPC) solutions.

Some of our specialty products include:

DataCollector[®]

Simple collection of serial data to spreadsheet or database applications.

WeighMaster[®]

Truck scale data management software.

BatchMaster[®]

Automated data collection and control of truck and railcar loadouts utilizing batch-weighing technology.

SmartMonitor[®]

Railcar manifesting software for yard monitoring and dump facilities.

Automatic Equipment Identification (AEI)

RF-based tag solutions for asset and fleet management/tracking.

Online Analysis Solutions

Analyzer products with software to allow display, control, and reporting of mineral and moisture measurements for bulk materials management.



AEI Products



CoalScan 2800 Analyzer



Automated Truck Weighing



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