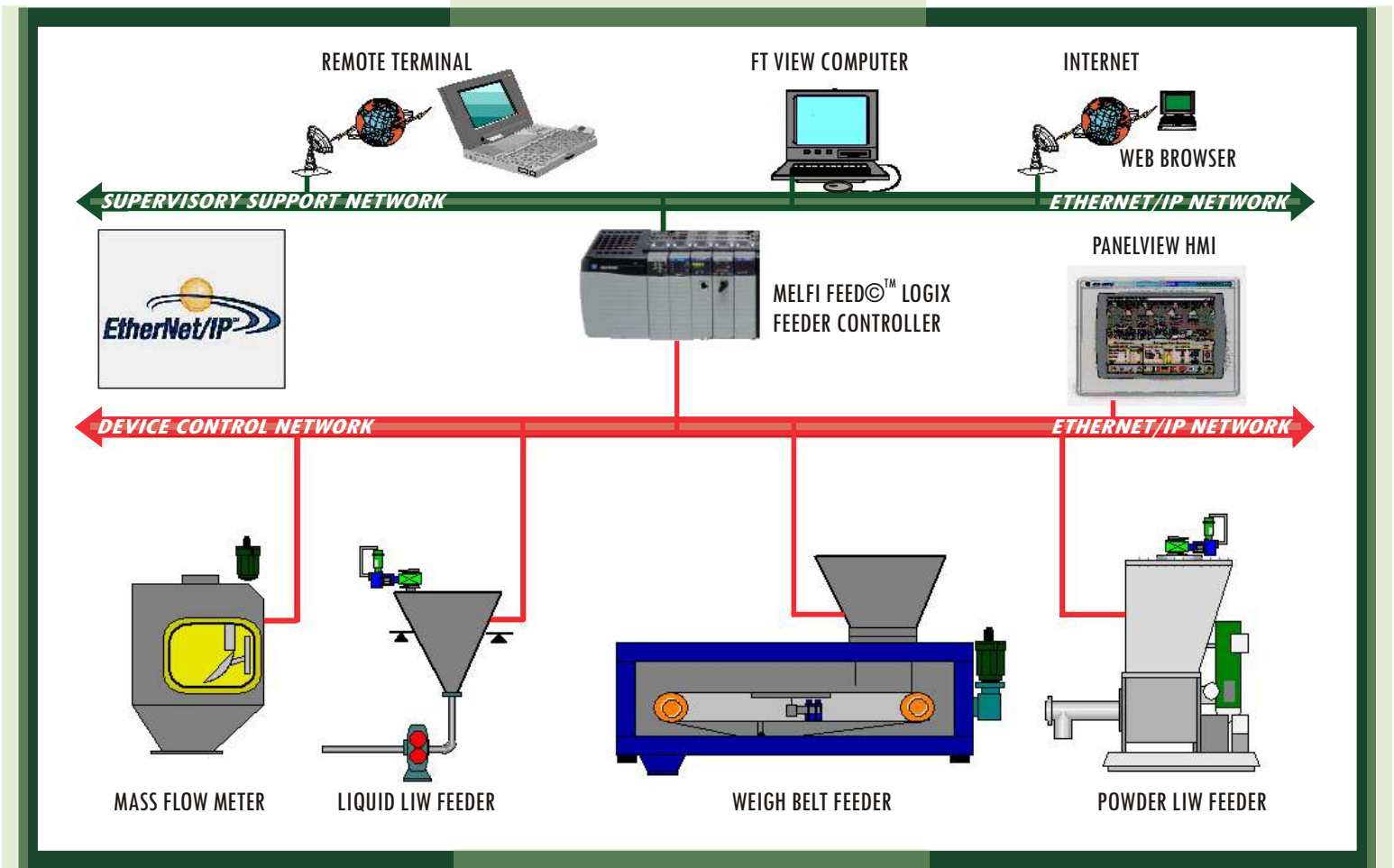




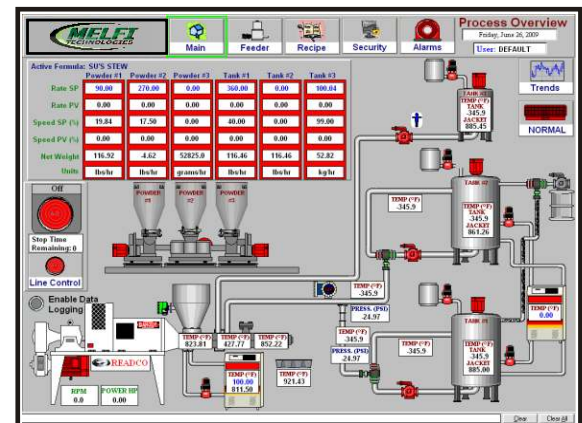
## Melfi Feed© LIW Feeder Controller



### Controller Description

Are you having difficulties with your "black-box" feeder Controllers? Melfi Feed© is the next generation of PAC-based Weighbelt, Loss-in-Weight and Flowmeter automated feeder controllers. The system is designed to directly replace the proprietary microprocessor equipment supplied by any of the popular LIW feeder Manufacturers.

The Melfi Feed© PAC controller has been developed around the Allen-Bradley Logix hardware platform, using standard RSLogix5000 programming software with Rockwell Automation FT View HMI. Field communications to the loadcell amplifiers is an open standard Ethernet/IP network. We have created a cost effective solution using non-proprietary hardware to simplify the gravimetric feed control process.



# ADVANTAGES

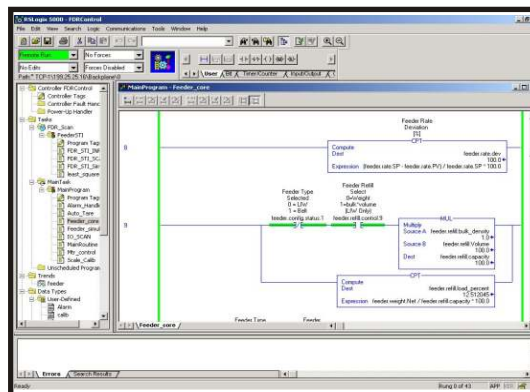
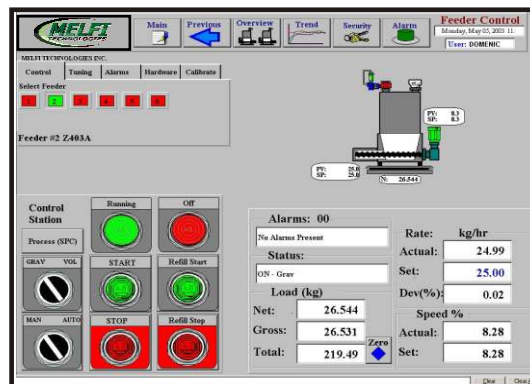
- ➔ **Melfi Feed<sup>™</sup>**: Universal control system used for any of the feeder manufacturers, consolidates feed systems into one central controller.
- ➔ **Direct PLC communication:** Eliminates the transfer problems with microprocessor proprietary controllers, networks and communication protocol converters.
- ➔ **User friendly:** Graphical operator interface simplifies staff training.
- ➔ **Integration:** The same Logix PAC can be used to control other equipment, and enables easy integration to other PAC-Based systems.
- ➔ **Scalable:** Add as few or as many feeder control systems as required.
- ➔ **Upgradeable:** Modular architecture approach assures investment longevity.
- ➔ **Robustness:** Proven AB Logix PAC hardware sets the industry standard for MTBF (mean time before failure).
- ➔ **Cost reduction:** EtherNet/IP network and Logix components reduces field wiring and installation time as plant personnel are able to setup any modular component under power.
- ➔ **Reporting and Data Acquisition:** Allows various IS, MES and data archiving systems access to all process information.
- ➔ **Gateway:** Remote support has never been easier and more flexible.

## Melfi Technologies Inc.

We are a North American based Hi-Tech company with over 20 years process automation experience in material handling, specializing in industrial systems automation. Our capabilities range from cost analysis, complete planning, system design implementation and management of all phases of a project.

## Services

- Consulting
- Project Management
- System Integration
- System Conceptual Design Engineering
- Instrumentation and Automation Engineering
- PLC and PAC programming
- Human Machine Interface programming
- Drive Systems
- CAD Design and Detail Engineering
- Panel Design and Fabrication
- Start-Up and Training Support
- Online Technical Support



## Features

- Weigh Belt, Loss in weight and Mass flow feeder selection
- Gravimetric closed loop PID control
- Digital signal filtering
- Adjustable processing sampling
- Select alarm enable/disable/shutdown
- Automatic belt taring (weighbelt only)
- Add-on instruction based control algorithms
- Human machine interface
- Standard components
- Easily field expandable
- Programming IEC 1131-3 compliant
- Remote support
- No microprocessor or proprietary control components
- Direct communication to Siemens, Modicon or other PLC systems.



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