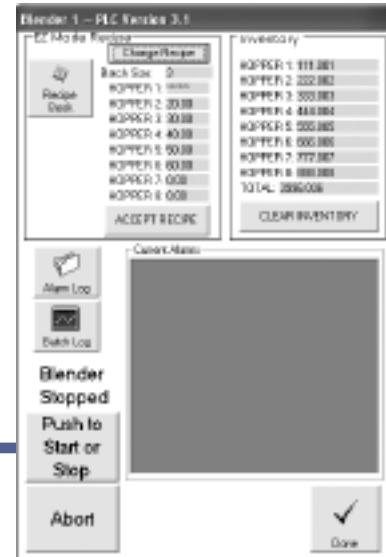




A3 BLENDER CONTROL AND DATA ACQUISITION SOFTWARE

A3 Control and Data Acquisition systems are compatible with Allen-Bradley and existing AEC control systems when equipped with the proper communication option.

- Notes:
1. All existing blenders with HydReclaim controls can be included as long as they are upgraded to Version 7.01 software for A3 to work properly. (May require a service call or panel upgrade.)
 2. Communication modules and cables are not included – purchase separately.



A3 Virtual Control Panel

STANDARD FEATURES

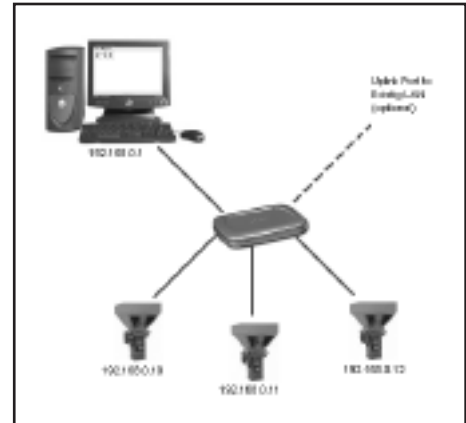
- Compatible with MS Windows® XP Home and Professional Edition
- Monitor up to 1000 A-B controlled blenders, or 255 HydReclaim controlled blenders
- Start and stop blenders and feeders
- Monitor and control recipes for each blender
- Log up to 1000 alarms per blender
- Log up to 5000 consecutive batch weights
- Monitor and record all recipe changes
- Monitor material inventory, even if cleared at the blender
- Compatible with MS Works or Office 2000, including Access, Excel and Word
- Download inventory run rates, run status, target vs. actual recipe set points
- Store an infinite number of recipes (limited only by hard drive space on computer)
- Upload and download recipes and access recipe storage book functions
- Automatically generate time/date stamped reports on an hourly basis
- Two tier password security
- Job Report Manager that tracks material reference numbers as well as lot numbers and silo numbers

OPTIONAL FEATURES

- Software kit A-B or AEC controlled blenders
- Ethernet module for A-B blender (one per blender)
- USB RS422 Legacy Module for AEC blender (one per network)

PC SYSTEM REQUIREMENTS

- Pentium® II 750 Mhz minimum processor speed (Pentium 4 recommended)
- Windows® XP operating system (service pack 1 installed)
- Internet Explorer 6.0
- 30 GB minimum hard drive space (60 GB recommended)
- 128 MB minimum RAM (512 MB DDR Ram recommended)
- CD-ROM drive (CD-RW recommended)
- Video card capable of 1024x768x16 bit color (32 bit color recommended)
- 10 Mbps Ethernet (100 Mbps recommended)
- 1 USB slot (Required for optional RS-422 Legacy module needed for AEC blender controls only)
- Standard Ink Jet Printer (if you are going to print the reports)



Typical A3 Network Installation

(Computer, cables, and optional hub supplied by customer)

REQUIREMENTS FOR BD BLENDERS WITH ALLEN-BRADLEY CONTROLS

- Each blender must have the optional Ethernet module installed.
- Ethernet Module ACS Part # A0563939 A-B # 1761-NET-ENI
- Module Cable ACS Part # A0565898 A-B # 1761-CBL-AM00
- Each blender must have version 3.2 or newer software
- All blenders and the host PC must be on the same Ethernet network, which is installed by the customer using CAT 5 cable. If the blenders are on a stand-alone network, and not part of an existing network, the customer will also need to supply a hub or switch. The network installation should be done by the customer's IT department or a professional. ACS does not provide installation services for the Ethernet network. Refer to the A3 manual for further details.

REQUIREMENTS FOR BD/OL/OFC BLENDERS WITH AEC CONTROLS

- Each OS/OA blender, or OI inventory unit, with LGX controls must have software version 7.01 or newer
- Each OFC/OFE unit with LSTAR controls must have software version 5.5A or newer
- Each OL blender with LSTAR controls must have version 10.5A or newer
- The customer must purchase the "USB RS422 Legacy Module" for the PC (only one module required for entire system).
- The customer must run Belden 8103 2-twisted pair cables from the PC to the first blender, then from the first blender to the second, and so on. At each blender the customer must solder DB9 Male connectors to the cables and a DB9 Female connector at the PC cable. This cable must be run in separate conduit to isolate from electrical noise and static in the facility. Refer to the A3 manual for further details.