B-DAQ VERSION 6 UPDATE

This update assumes that you are upgrading to B-DAQ Version 6, replacing your Bindery PC, and you are using the same DAQ card.

Version 6 has been updated to run using later versions of Microsoft Windows, Visual Basic, and SQL Server.

Following is a partial list of the enhancements made in this version.

Bindery Module

- Ability to define operation codes and downtime codes by machine.

- Automatic software update eliminates need to run "SysUpd" at each Bindery.

- Added ability to Download and Upload data to Primac without the need for the NDC Plus Shop Floor Data Collection System.

Management Reporting Module

- Re-designed to eliminate the need for Crystal Reports. Provides greatly improved processing speeds.

- Re-designed user interface (similar to Microsoft WORD) provides ability to open multiple reports at the same time.

- Addition of several powerful new reports.

Scheduling Module

- Added the Scheduling Module to the system to facilitate the exchange of Jobs to the Bindery.

- Ability to highlight and delete multiple schedule entries.

Machine Status Module

- A new summary view has been added to enable viewing of up to twenty Machines simultaneously.

Client Module

- Automatic software update eliminates need to run "SysUpd".

SQL Database

- Added the ability to utilize SQL Server database management software.
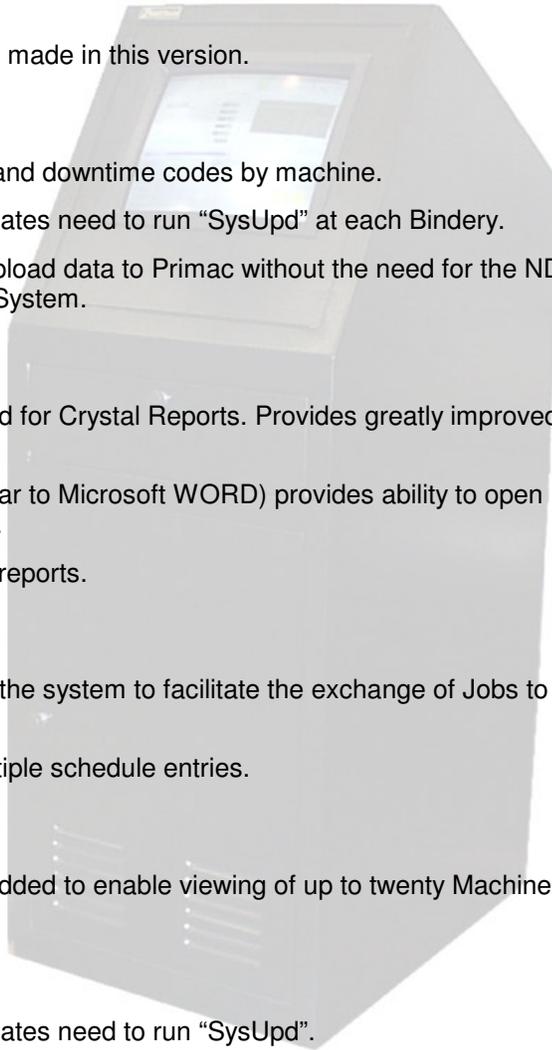
INSTALLATION PROCEEDURES

Pre-Installation

- Copy the directories from the CD to the "BDAQ\Install" directory on the B-DAQ server.

- Install and configure the software and drivers for the Printer, Touch screen monitor, UPS battery backup system and the DAQ card onto the new computer, before bringing it out to the Bindery.

Bindery Module Installation (Should be completed in-between jobs)

- IMPORTANT!!! From the Bindery Computer, make a note of the last pallet number used (B#######). You may need this number when you execute B-DAQ 6 for the first time on the NEW computer. (From the BDAQ main screen, open the Pallet Maintenance screen).

- From the Bindery Computer, terminate "B-DAQ" and "DataSync.

- From the Bindery Computer, create new directory on the B-DAQ Server called "Program Files\BDAQ-BU".

- Copy the contents of the "Program Files\BDAQ" directory on the computer to the "Program Files\BDAQ-BU" directory on the B-DAQ Server.

- Disconnect OLD computer.

- Remove the DAQ card from the OLD computer.

- Install the DAQ card in the new computer. Instructions to install the DAQ card will accompany these instructions, or may be acquired from www.ni.com.

- Connect new computer.

- Connect the Touch Screen Monitor and Battery Backup to the serial ports. Connect the Printer, and attach Bindery Interface to DAQ card.

- Connect computer to Network and map NEW computer to the BDAQ Server. Map to "X" if available.

- Install the new B-DAQ software from the "BDAQ\Install\B-DAQ-Machine" directory on the server.

- Copy the following files from the "Program Files\BDAQ-BU" directory on the B-DAQ Server to the "Program Files\BDAQ\" directory on the NEW computer:

    1. "Stats.mdb"
    2. "Remote.mdb"
    3. "Bindery.mdb
    4. "System.ini"
    5. "Security.txt"
    6. "Security.dat"
    7. "Recovery.dat"

- Correct the shortcut to "SysUpd" if necessary. The target should reference SysUpd.exe on the server.

- Start "B-DAQ", and "DataSync". If prompted, enter the last pallet ID number that you copied earlier.

- Make sure that the new computer uses the HH:mm:ss military format for time, and adjust the current date and time.

- Repeat for all machines.

Client Module Installation

- Once the client software is updated you will not be able to use the Client software until the Server Module has been updated.

- The update needs to be completed on all Client machines.

- Create a new directory in the "Program Files" directory called "BDAQ-BU".

- Copy the "System.ini" file from the "ProgramFiles\BDAQ-Client" directory to the "ProgramFiles\BDAQ-BU directory.

- Execute "Start…Settings…Control Panel…Add/Remove Programs". Remove the B-DAQ Client Module.

- Install the new BDAQ-Client software from the "B-DAQ\Install\BDAQ-Client" directory on the server.

- Copy the "System.ini" file from the "ProgramFiles\BDAQ-BU" directory to the "ProgramFiles\BDAQ-Client directory and overwrite.

- Correct the shortcut to "SysUpd" if necessary. The target should reference SysUpd.exe on the server.

Server Module Installation

- Important: Make sure that all Bindery Machines have been updated before proceeding.

- Insure that "DataSync" is terminated at all Bindery Computers.

- Insure that the B-DAQ client modules are not being used.

- Create new directory called "C:\BDAQ⁻BU".

- Copy the contents of the "BDAQ" directory to the "BDAQ⁻BU" directory.

- Execute "Start….Settings….Control Panel….Add/Remove Programs". Remove the B-DAQ Server Module.

- Install the new B-DAQ software from the "BDAQ\Install\BDAQ-Server" directory.

- Copy "BDAQ-BU\Shared\System.ini" to the "BDAQ\Shared" directory.

- Edit "DataSync.ini" file in the "BDAQ\Shared\InitMachine" directory. Make required plant specific changes using the back-up copy for reference and save. Do NOT simply copy the old .ini file from the BU directory.

- Edit "DataPurg.ini", "P-Admin.ini" and "P-Sched.ini" files in the "BDAQ\Shared\Init" directory. Make required plant specific changes using the back-up copy for reference and save. Do NOT simply copy the old .ini file from the BU directory.

- Logon to a B-DAQ Client machine as Administrator.

- Execute "BDAQ\Shared\DataPurge.exe". This will delete old data from the databases.

- Execute "BDAQ\Shared\DataCopy.exe" and click "Continue". This will convert the server databases to the new format. If error messages occur, ignore the messages and rerun the application.

Bindery Module Update

- Run the following updates between Versions.
- Terminate "B-DAQ" and "DataSync".
- Execute "Start….B-DAQ Bindery Module….DataCopy".
- Execute "Start…Programs…B-DAQ Bindery Module…SysUpd"
- Re-Start "B-DAQ" and "DataSync".

Client Module Update

- Execute "Start…Programs…B-DAQ Client Module…SysUpd".