dStream IDC
Data Capture Software

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Background

- Developed and supported by DHI Computing Service
- 57 years experience in software development
- One of the 4 DRPC's in the dairy industry
- Developed in 1995-96 from software purchased from Ron Fredricks – known as "CoreData"
- First installation was in Southern Cos. DHIA Lab
- Written into windows format in early 2000 – now known as "dStream IDC"
- Presently installed in 9 DHIA Labs in California, Oregon, Washington and New Mexico

Features

- Windows format
- Interfaces with FOSS, Bentley, and Delta Instruments
- Ability to set tolerance levels for component monitoring
- Can run check samples within the herd and that data directed to different file
- No limit to the number of samples in batches being processed

Features

- Can separate samples over several batches when run on multiple lines of equipment
- Alerts for duplicate samples within batches
- Alerts also by color shading screen
  - - Blue – Duplicates
  - - Green – herd initialized in machine instrument window, but no results received after a designated period of time
- Renumber samples if necessary
- Can delete results and restart at any point

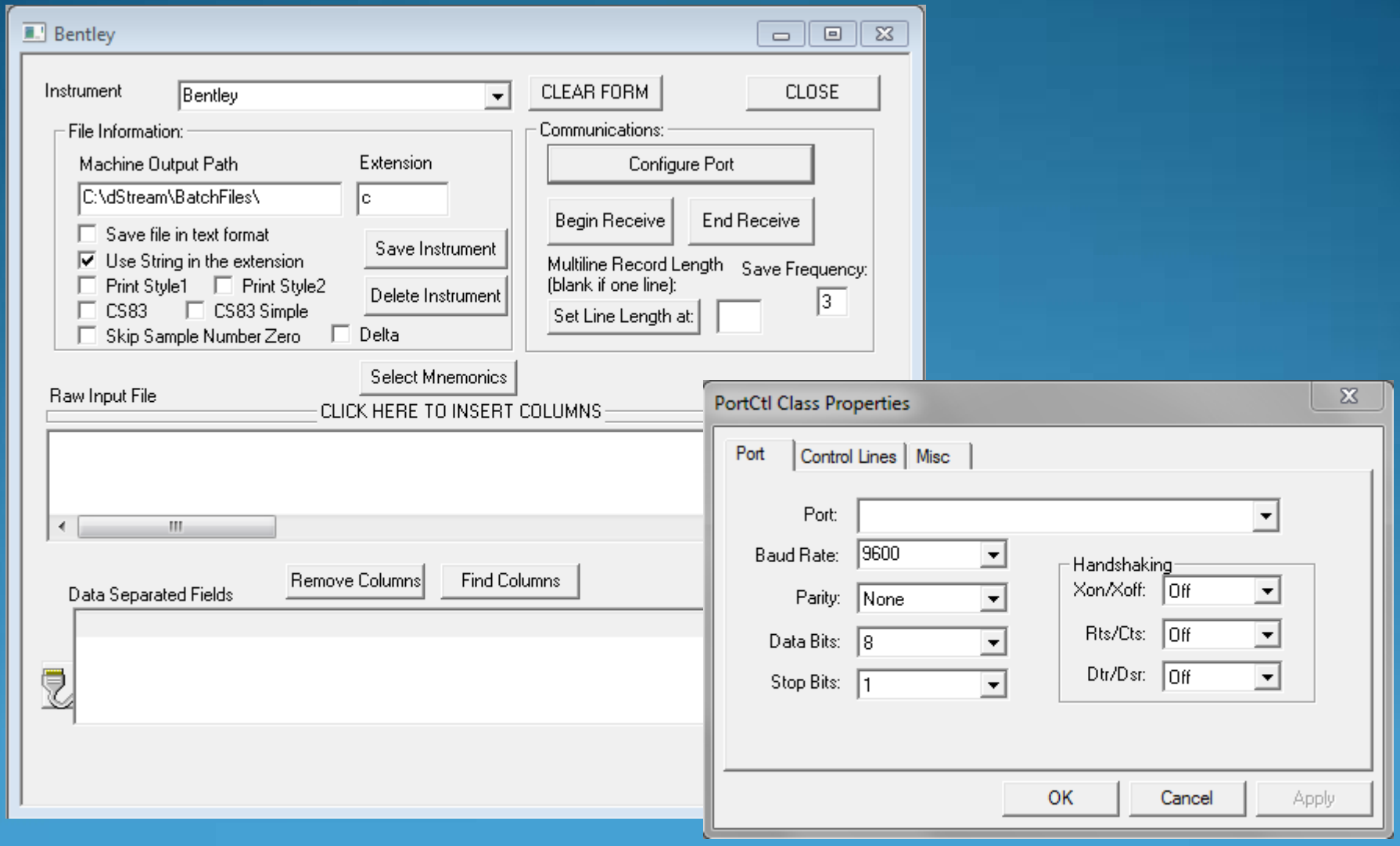
Features

- Results are being written to a file as they are displaying on monitor
- Files can be transferred to any other computer on a network
- Detailed logs can be created for support and troubleshooting purposes

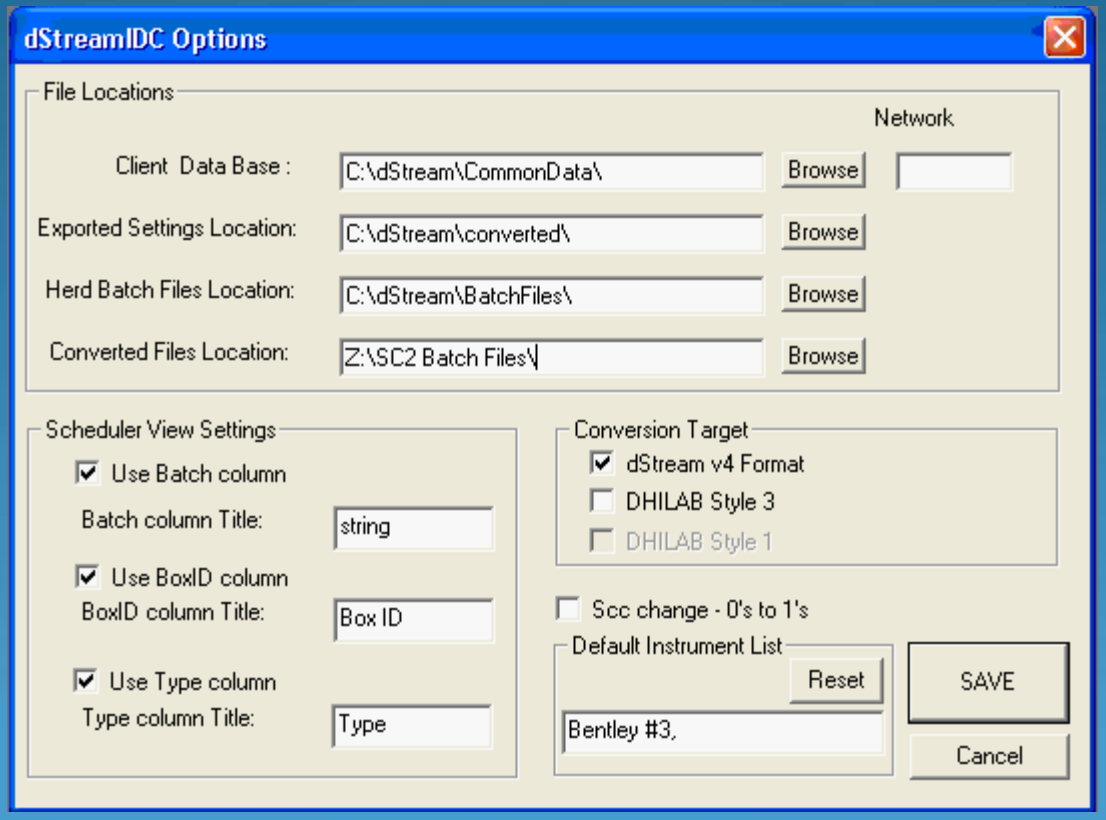
Communication

- Serial communication
  - - 9 pin serial port on computer
  - - USB to Serial Cable
- FOSS – using CS83 or CS83 Simple Protocol
- Bentley – capturing data direct from serial port
- Delta – using CS83 Protocol

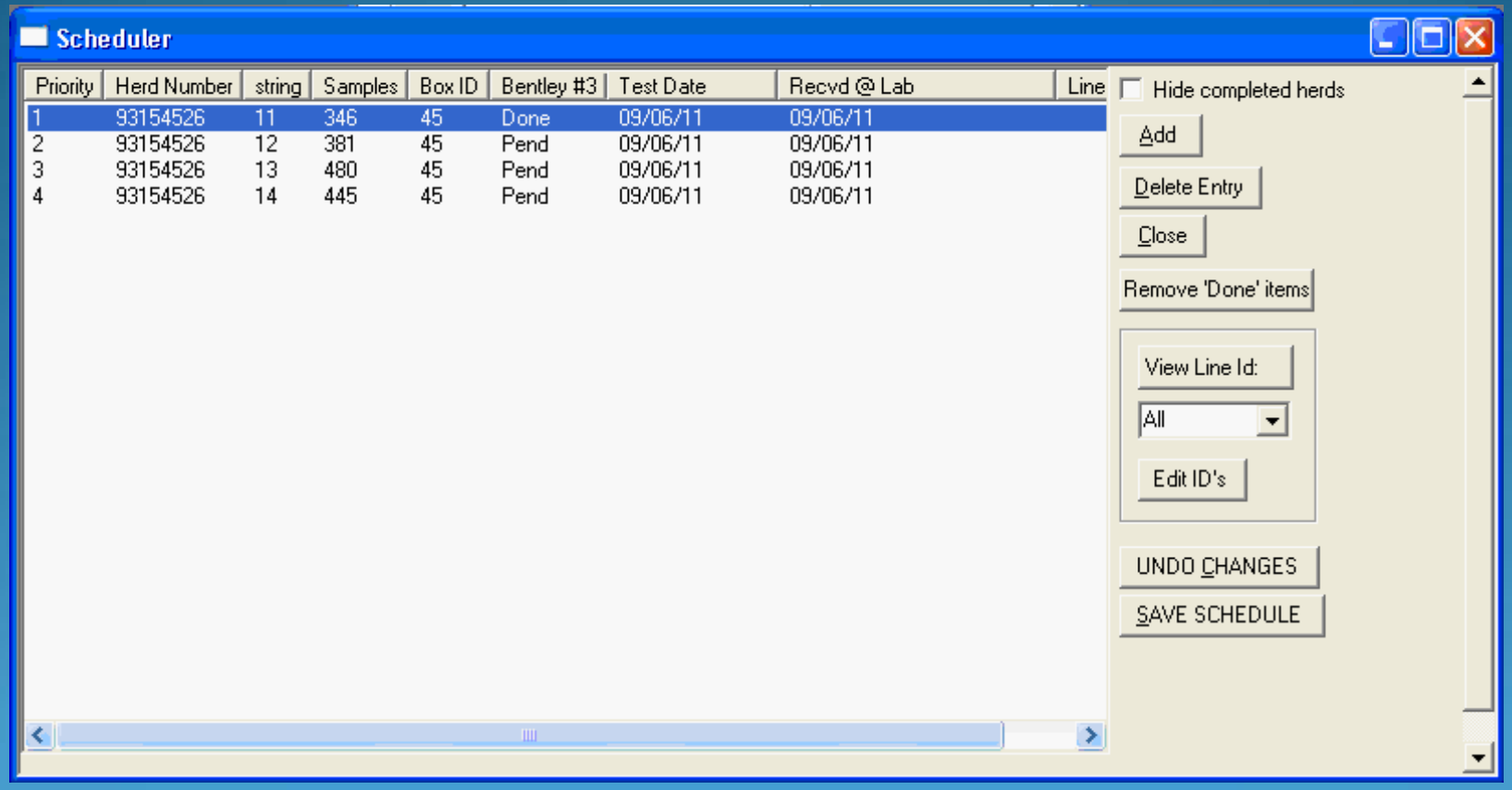
Instrument Capture setup window



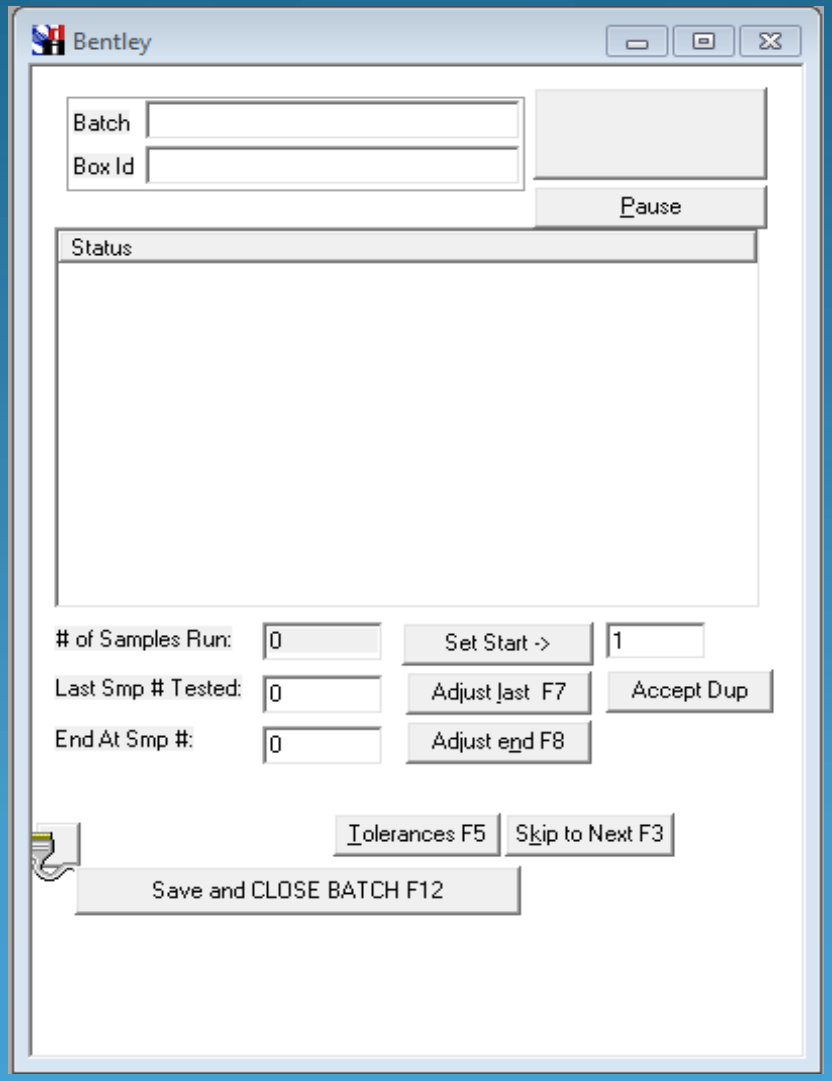
dStreamIDC Options window



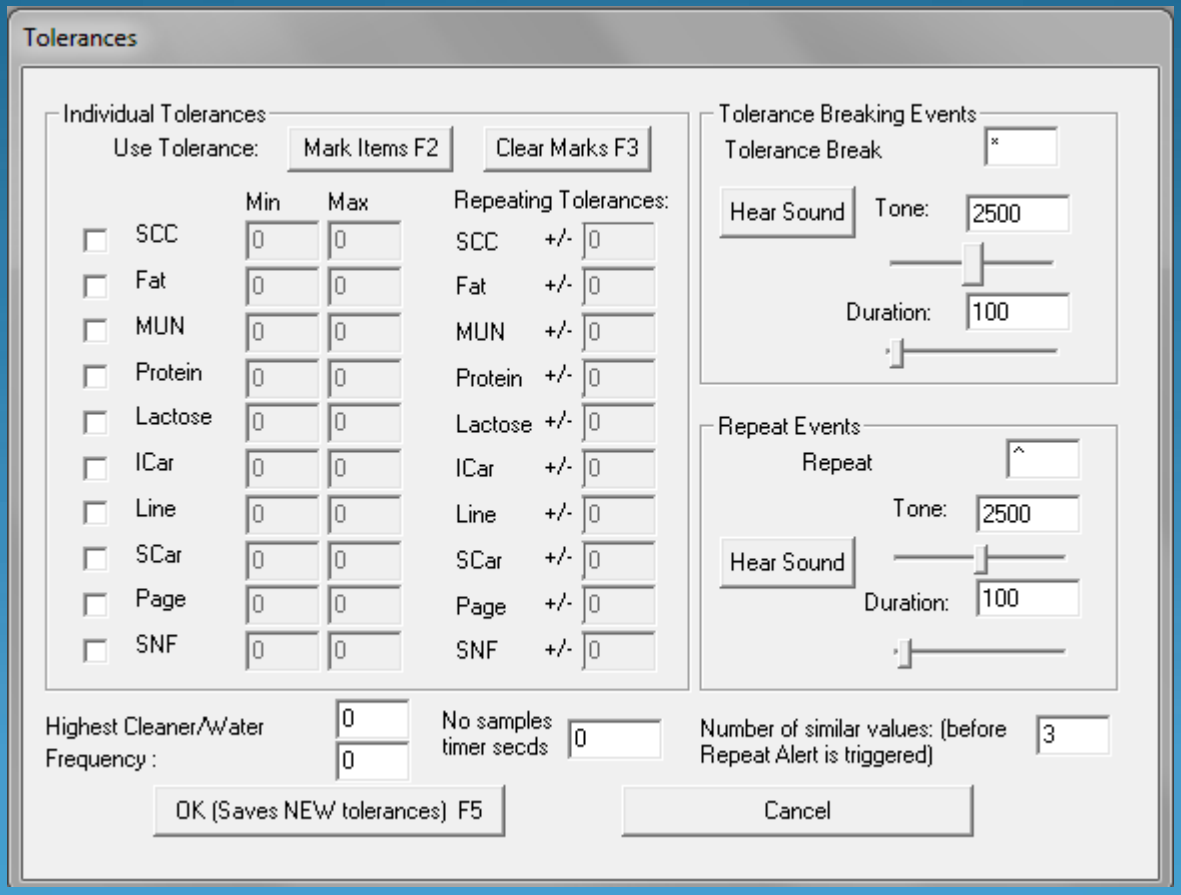
Scheduler window



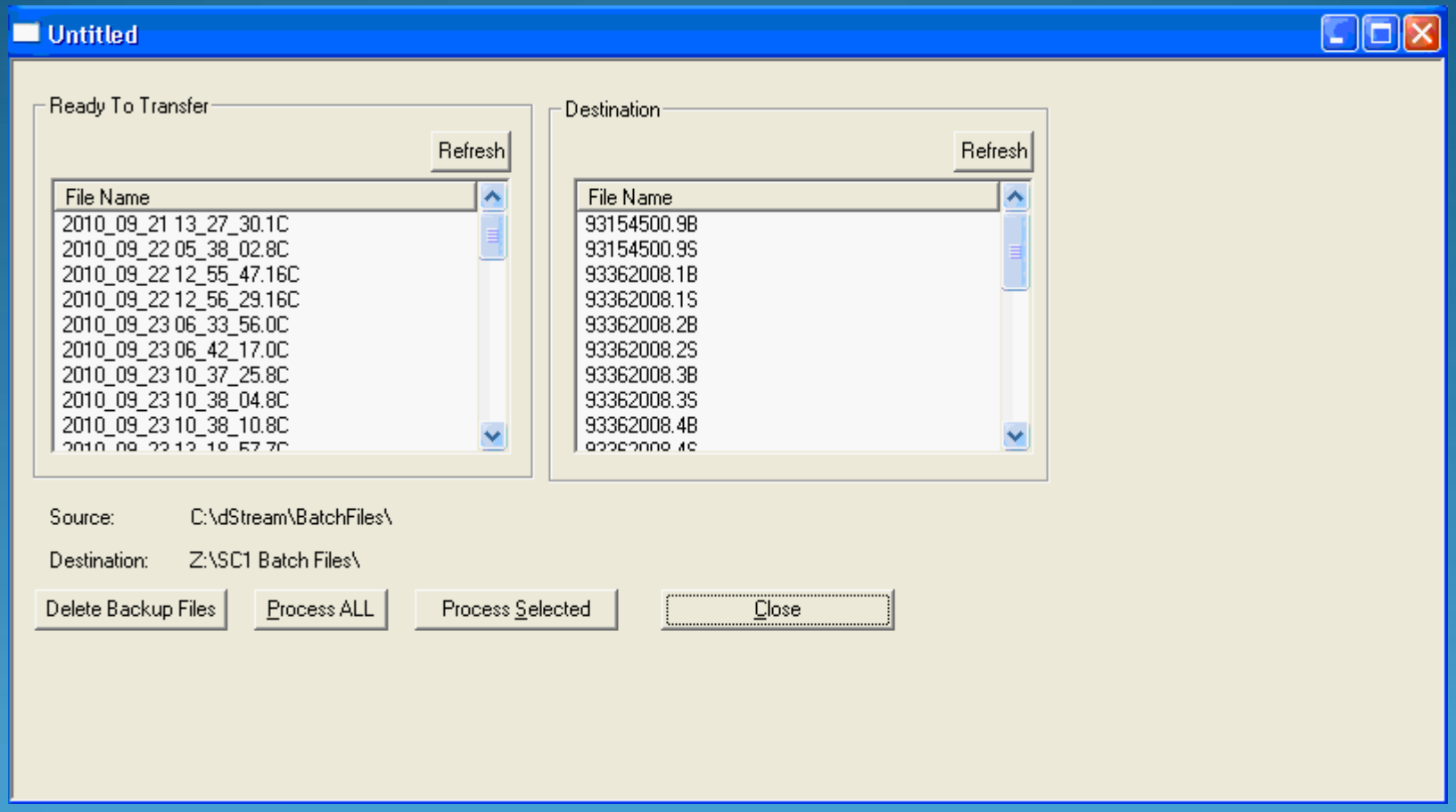
Machine Instrument window



Tolerances



Transfer Screen window



Installation

- Installations can be done on-site or via an Internet connection
- Use WebEx or LogMeIn for future support and installation