

**TWO VERSIONS, FIXED AND SEMI-STRUCTURED FORMS**

**ADVANCED BATES NUMBERING**

Bates Numbering provides a unique, non-repeating index number with a prefix and suffix which can be set using a script. The index number in the middle can be selected from a range of numbers. Options include: Ability to set the font, style (bold, underline, italic), set the position of the stamp, set how far in the stamp will appear from the left and right on the page, erase the image underneath the stamp, down-scale the image to fit the stamp, set a dynamic prefix and suffix in addition to the sequence number that is incremented for each page, generate the stamp from any information that is available in the batch such as barcodes / batch name / batch scanning information / fixed strings, / information obtained from a database or a call to a web service, Set the sequence number from a set of sequence numbers so that each type of document may maintain a separate sequence number.

**SUPPORTED BARCODES**

2 of 5 (industry, interleaved, IATA, Data-logic, Invert, matrix), BCD Matrix, Code 32, Code 39 (standard and extended), Codabar 2, Code 93 (standard and extended), Code 128, EAN 13, EAN 8, UPC (A,E), ADD(5,2), UCC/EAN 128, Patch Code, PostNet, PDF 417, Datamatrix, QR Code, Intelligent Mail, British Royal Post 4 State, Australian Post 4 State, Aztec



# MuWave® Forms Pro QSX

## DESCRIPTION

MuWave® Forms Pro is Quillix™ server extension that greatly extends the Quillix capture system to provide advanced forms processing functions. Forms Pro provides the forms processing automation necessary to greatly reduce manual OCR verification by reducing user intervention for forms processing. It performs document processing functions such as bar / patch code detection, image cleanup with de-speckle and de-skew, image conversion, automatic indexing, and assembly. Also provides OCR indexing, forms recognition, and ICR using the ABBYY FlexiCapture engine version 9. Documents can be indexed and assembled utilizing bar/patch code detection as well as indexed using database lookup or based on other dynamic criteria.



## KEY FEATURES INCLUDE:

- OCR takes advantage of the powerful **ABBYY Flexicapture 9** engine
- Tight integration with Quillix Web client for OCR verification. Support zoom to zone for field level verification. Note that database lookups are supported during document indexing but not in the verification screens.
- Image cleanup including de-speckle, de-skew, and blank page recognition (based on a configurable percentage of black versus white), border removal, hole punch removal using a specified number of holes (2,3,4, or 5). Batch pages may be automatically rotated based on the orientation of barcodes but this applies to the entire batch. If forms recognition is used, then the orientation of each page may be adjusted on a page by page basis. If forms recognition is being used, then color removal is supported for the removal of the following colors: red, green, blue, or yellow (note that documents must have obviously been scanned in color in either JPG, BMP, TIFF-PackBits, or TIFF-JPG format).
- Image format conversion to TIFF Group 4, JPG, BMP, PCX, image-only PDF with original document images maintained, image-only PDF with original images discarded, or to searchable PDF format with original images maintained or discarded (if forms recognition is being used).
- Batch preview mode to simulate batch assembly. The batch preview evaluates the barcodes in the batch and provides feedback to the users by drawing onto a copy of the first page of the batch. Note that forms recognition is not supported for the batch preview in order to preserve OCR page usage. Email and Quillix audit log messages may be generated during the batch preview. This operation is used primarily to analyze batches that are being assembled based on barcode or patch code pages. Advanced features including user customizable OCR dictionaries
- Advanced indexing option using menus or advanced scripting with access to information from the batch including the barcodes, OCR/ICR, database lookups, or information obtained from web services through the use of advanced scripts built by the user in the VB compatible scripting environment. In releases of Quillix prior to version 5 the customer is responsible for providing a wrapper / proxy dll for the web service. In version 5 that requirement will be eliminated.
- Full indexing via barcodes, OCR, ICR, or database lookups.
- Provides advance capture metrics data collection for integration with MuWave Reports.
- Provide built-in advanced Visual Basic scripting. Supports COM-based extensions in versions of Quillix and MuWave prior to version 5. This requires that .NET assemblies be COM visible. Version 5 will lift this requirement as the scripting environment will be migrated to .NET and support .NET assemblies directly as well as COM.
- Document assembly options include assembling batches by a fixed number of pages, using forms recognition, using a discarded or retained document separator sheet containing a barcode or patch code. An option to discard the batch cover sheet is provided. Double sided pages are supported.
- Provides the ability to combine incoming PDF files. This operation is optional and is performed as the document pages are assembled into documents. Any PDFs destined for a document are combined together in the order in which they were scanned or imported.
- The document type that is selected as batch pages are assembled into batches may be selected using four different methods. The default document type for the batch profile may be used. A script may be used to select the document type. A fixed type may be used. Or forms recognition may be used to specify the document type based on the name of the OCR/ICR template that was recognized.

