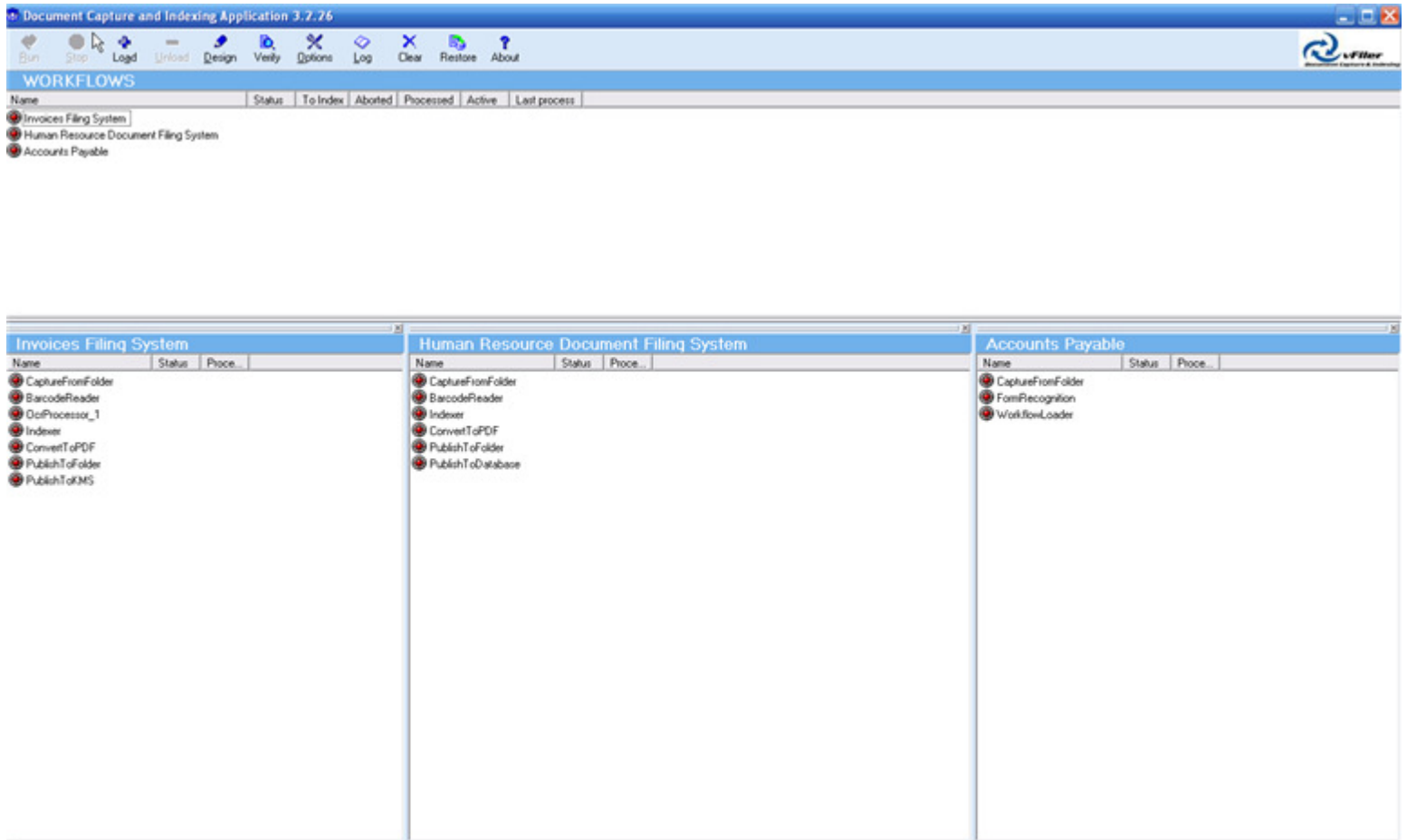


vFiler™ is a software application that can process scanned documents (and virtually any other file type) *automatically* directly into the Pinnacle™ Repository, Windows™ folder trees, text files and any ODBC database. Many sophisticated technologies are used during this process. The processing steps are *user definable*; allowing you to customize the steps to maximize the performance.



The screenshot displays the 'Document Capture and Indexing Application 3.7.76' interface. At the top, there is a menu bar with options: Run, Stop, Load, Unload, Design, Verify, Options, Log, Clear, Restore, and About. Below the menu is a 'WORKFLOWS' section with a table listing workflow names and their statuses. The main area shows three workflow configuration windows:

- Invoices Filing System:**

Name	Status	Proce..
CaptureFromFolder		
BarcodeReader		
OcrProcessor_1		
Indexer		
ConvertToPDF		
PublishToFolder		
PublishToMS		
- Human Resource Document Filing System:**

Name	Status	Proce..
CaptureFromFolder		
BarcodeReader		
Indexer		
ConvertToPDF		
PublishToFolder		
PublishToDatabase		
- Accounts Payable:**

Name	Status	Proce..
CaptureFromFolder		
FormRecognition		
WorkflowLoader		

Automated Filing for Multiple Departments

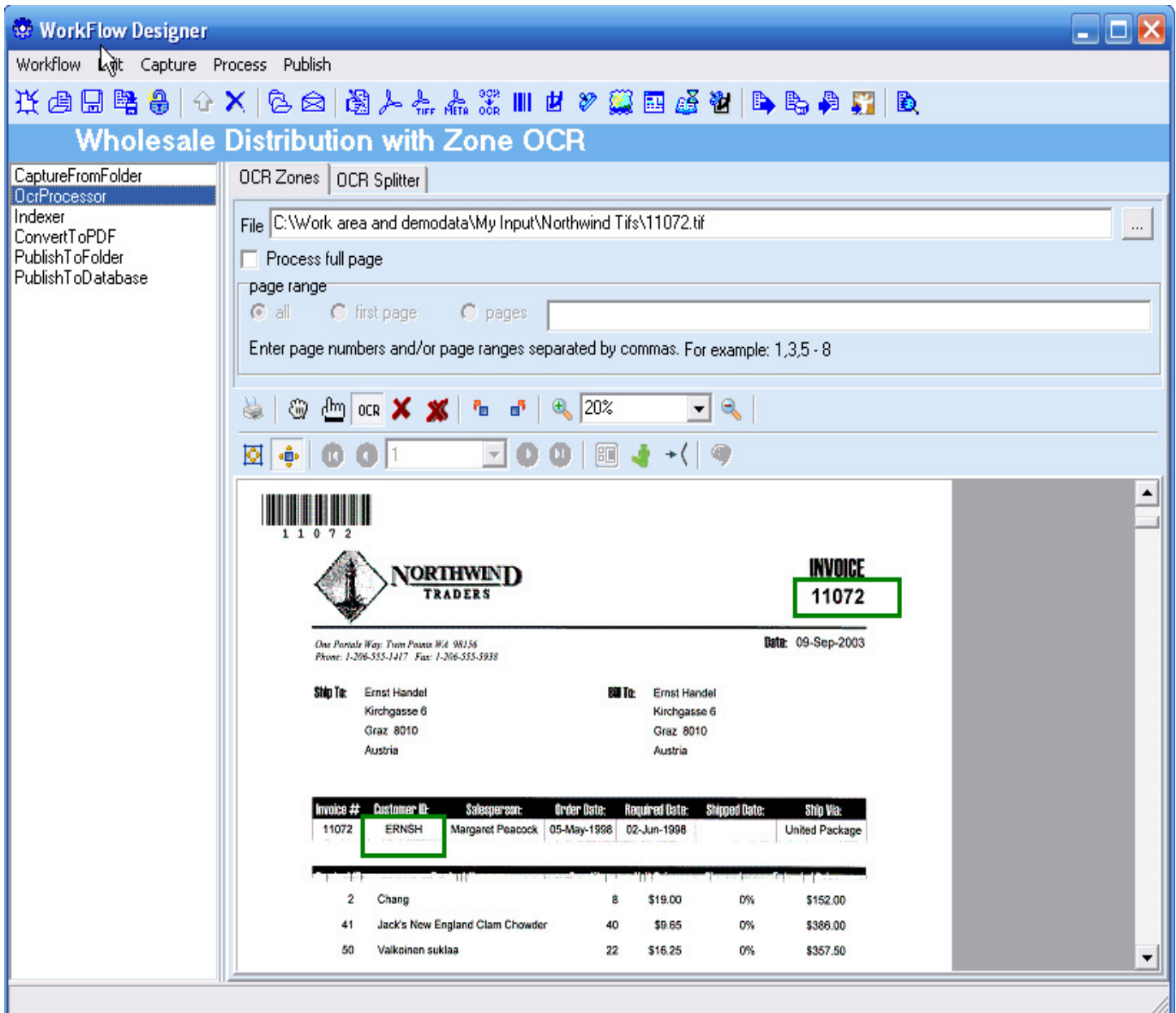
vFiler™ begins to work AFTER an image has been created from a scanner, email or document saved to a folder. This process is called Capture from Folder. This process monitors a user-defined folder (hot folder) and sub folders to capture a variety of image types.

vFiler™ Main Features

- Hardware Independent - Monitors / Watches folders
- All MFPs and Scanners Supported
- Capture from Multiple Folders Simultaneously
- Capture from Outlook
- Auto-Orientation
- Automatically Split Multi-page Documents Easily
- Straightens, de-speckles, de-skews, rotates, and resizes
- Reads 16 different barcode types
- OCR Multiple Zones, Full Page, or ALL Pages
- Creates searchable PDFs during indexing automatically
- Interface to YOUR accounting system through ODBC for data validation - creating "hands-free scanning workflows"
- UNLIMITED DOCUMENT PROCESSING - no click charges
- High-end Forms Recognition (Template Training)
- Metadata Publishing
- OMR Processing
- Marked Processing
- Document Imprinting (Bates Stamping)
- Process and automatically file multiple document types and departments simultaneously - via Workflow Loader
- Output documents and index data to Windows Folders
- Output documents and index data to Text File (comma delimited ect)
- Output documents and index data to Jet or any ODBC databases
- Automatically File documents to **Pinnacle™** and create folders automatically
- Launch **Pinnacle™** Workflows automatically by publishing document types or to specified folders creating email alerts from subscriptions
- Links indexed variables to **Pinnacle™** metadata

Using OCR to read fields on a document, then comparing the data against a database for validation is one of **vFiler™** flagship features.

Send us sample documents to request a live demonstration



The screenshot shows the vFiler Workflow Designer interface. The main window is titled "Workflow Designer" and displays a workflow named "Wholesale Distribution with Zone OCR". The interface includes a menu bar (Workflow, Edit, Capture, Process, Publish), a toolbar with various icons, and a central workspace showing an OCR-processed document. The document is an invoice from Northwind Traders, dated 09-Sep-2003. The invoice number 11072 is highlighted in a green box. The document also contains a table of items with columns for Invoice #, Customer ID, Salesperson, Order Date, Required Date, Shipped Date, and Ship Via.

Invoice #	Customer ID	Salesperson	Order Date	Required Date	Shipped Date	Ship Via
11072	ERNSH	Margaret Peacock	05-May-1988	02-Jun-1988		United Package
2	Chang		8	\$19.00	0%	\$152.00
41	Jack's New England Clam Chowder		40	\$9.65	0%	\$388.00
50	Valkoinen suklaa		22	\$16.25	0%	\$357.50

Multiple OCR Zones can be Captured

DOCUMENT INDEXING

The main function of **vFiler™** is indexing or filing. After documents are captured, text can be read from the paper (OCR) and validated against a businesses' accounting database for accuracy.

This connection made to the database is through ODBC (Open Database Connectivity) and is powerful because it creates automated scanning workflows with 100% reliability.

Searchable PDF Creation

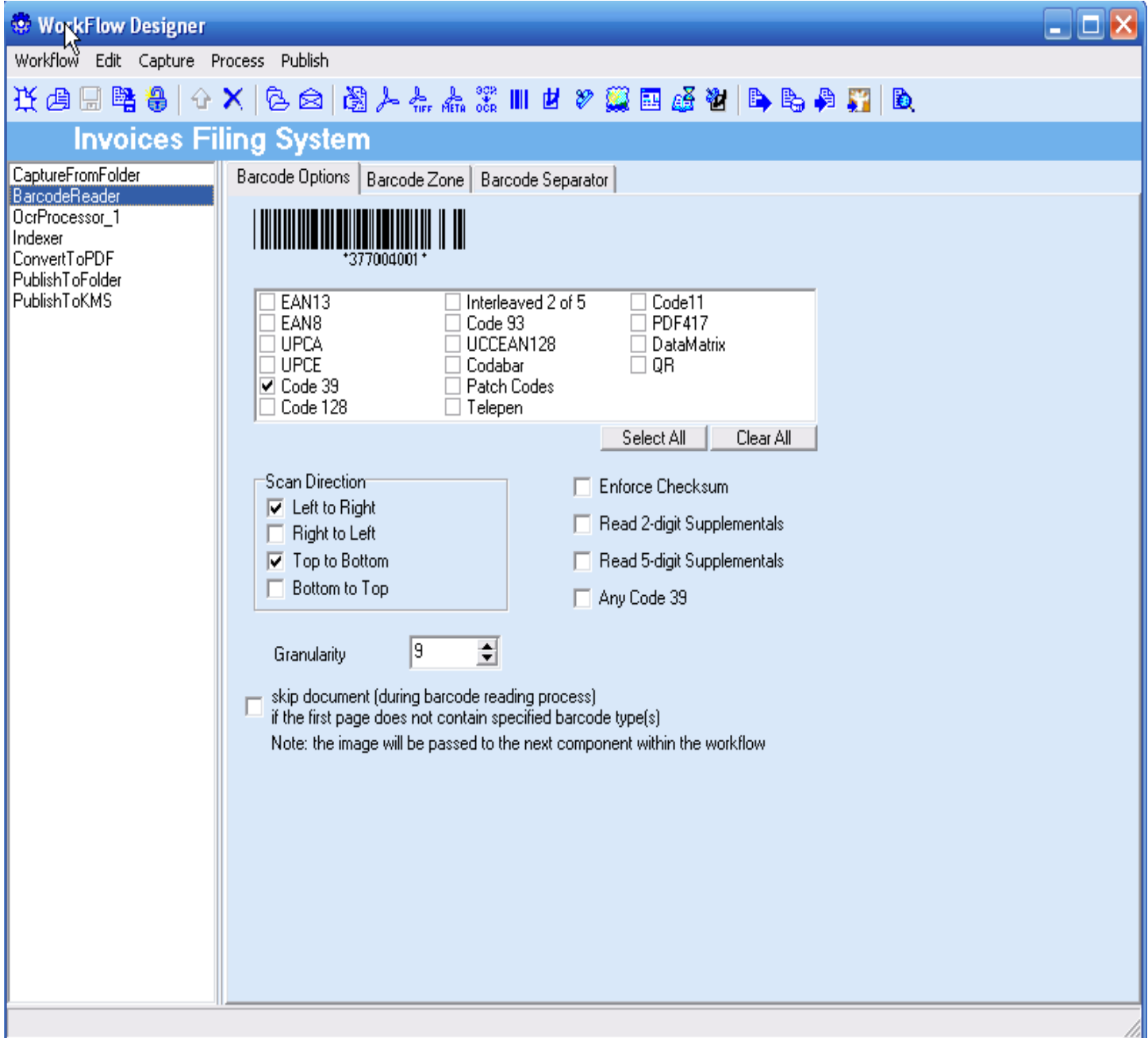
- **vFiler™** can create "Searchable PDFs"
- Index variables can be placed in PDF metadata fields
- OCR text is placed into the "Contents" field to create a full content searchable PDF

OCR Functions

- Zonal OCR Reading for Specific Fields
- Full Page OCR Reading for Creating Searchable PDFs
- OCR 1st page, all pages or select pages
- Split multi-page documents by OCR recognized text
- Remove Pages by recognized text
- Automatic Language Detection (English, French, Italian, German, Dutch, Swedish, Norwegian, Danish, Spanish, and Portuguese)
- Automatic Correction of Image Rotation and Inversion

Using OCR to read a field on a document, then comparing the data against a database for validation is one of **vFiler™** flagship features.

Send us sample documents to request a live demonstration



- vFiler™ can Read 16 Different Barcode Types
- Zonal Barcode Reading for Specific Fields
- Full Page Barcode Reading for Document Separation
- Separate Documents by Barcode Recognition
- Read Barcodes left to right, right to left, top to bottom, or bottom to top
- Ability to Remove Barcode Separation Sheets from Final Documents before Publishing to Repository

Forms Recognition

The ability to recognize different document types is the **vFiler™** flagship feature.

This feature is used in many applications:

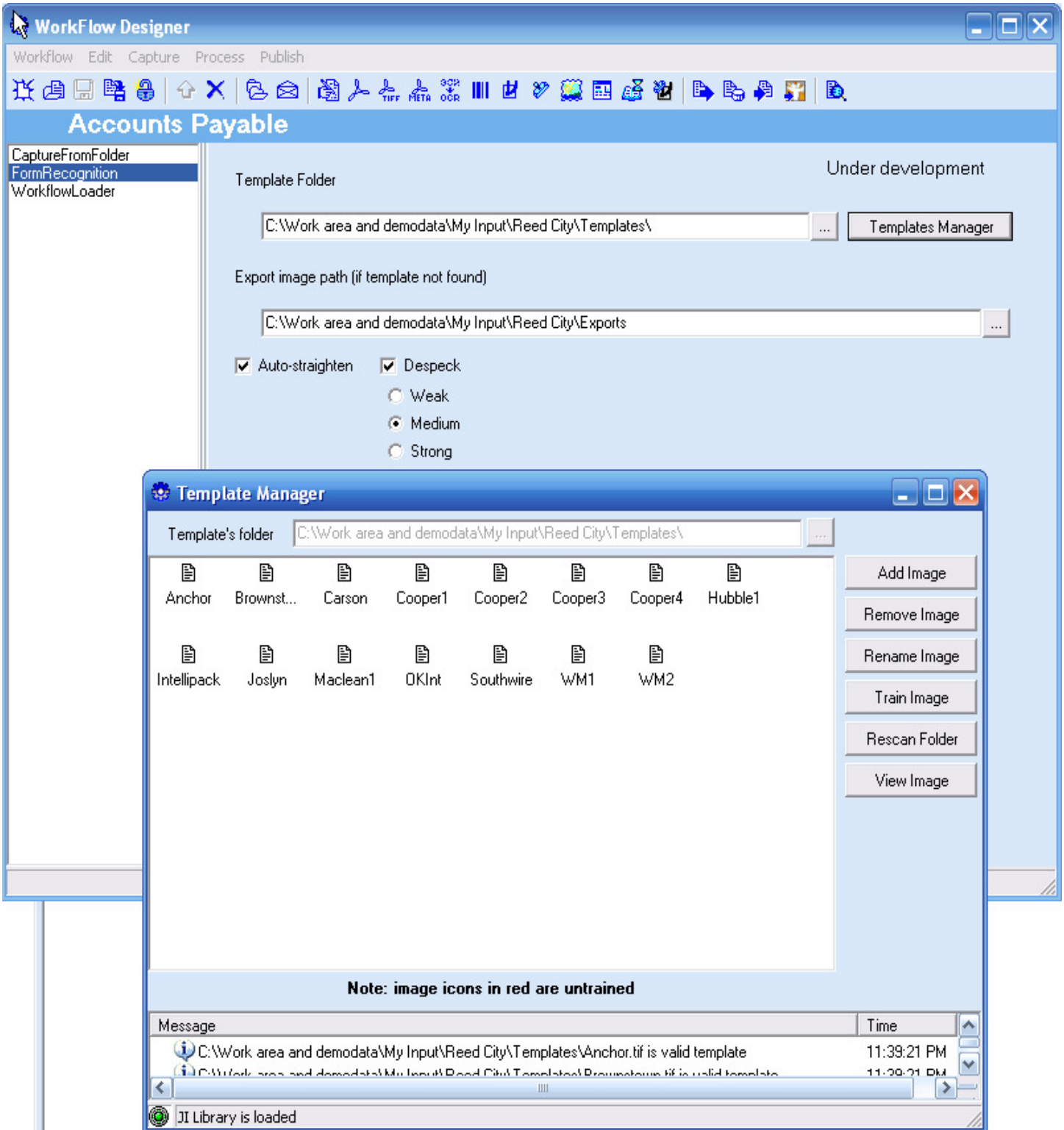
- Accounts Payable Vendor Invoices
- Safety Sheets
- Conference, Space and School Enrollment Forms
- Space and Exhibit Reservations
- Magazine and other Subscriptions
- Insurance Policy Registration
- Insurance Claim Forms
- Credit Card and Account Applications
- Mortgage Orientation Applications
- Driver's License and Identity Card Applications
- Personal and Corporate Tax Forms and Returns
- Voter Registration Forms
- And Many More...

Sample images are pre-scanned into a template library and **vFiler™** then "learns" to recognize these images as they are captured. When an image is captured that is recognized, workflow loader launches and processes the image to pre-defined specifications.

Scan hundreds of forms at once and reliably know they will all accurately arrive in **Pinnacle™** 100% accurate.

Forms Recognition will save a business countless hours of filing time.

Forms Recognition Screen Shot



The screenshot displays the WorkFlow Designer application window. The main window title is "Accounts Payable" and it is in "Under development" mode. The interface includes a menu bar (Workflow, Edit, Capture, Process, Publish) and a toolbar with various icons. On the left, a sidebar lists "CaptureFromFolder", "FormRecognition", and "WorkflowLoader". The main workspace contains the following configuration:

- Template Folder:** C:\Work area and demodata\My Input\Reed City\Templates\
- Export image path (if template not found):** C:\Work area and demodata\My Input\Reed City\Exports
- Processing Options:**
 - Auto-straighten
 - Despeck
 - Weak
 - Medium
 - Strong

An overlaid "Template Manager" dialog box shows the same "Template's folder" path. It displays a grid of template files:

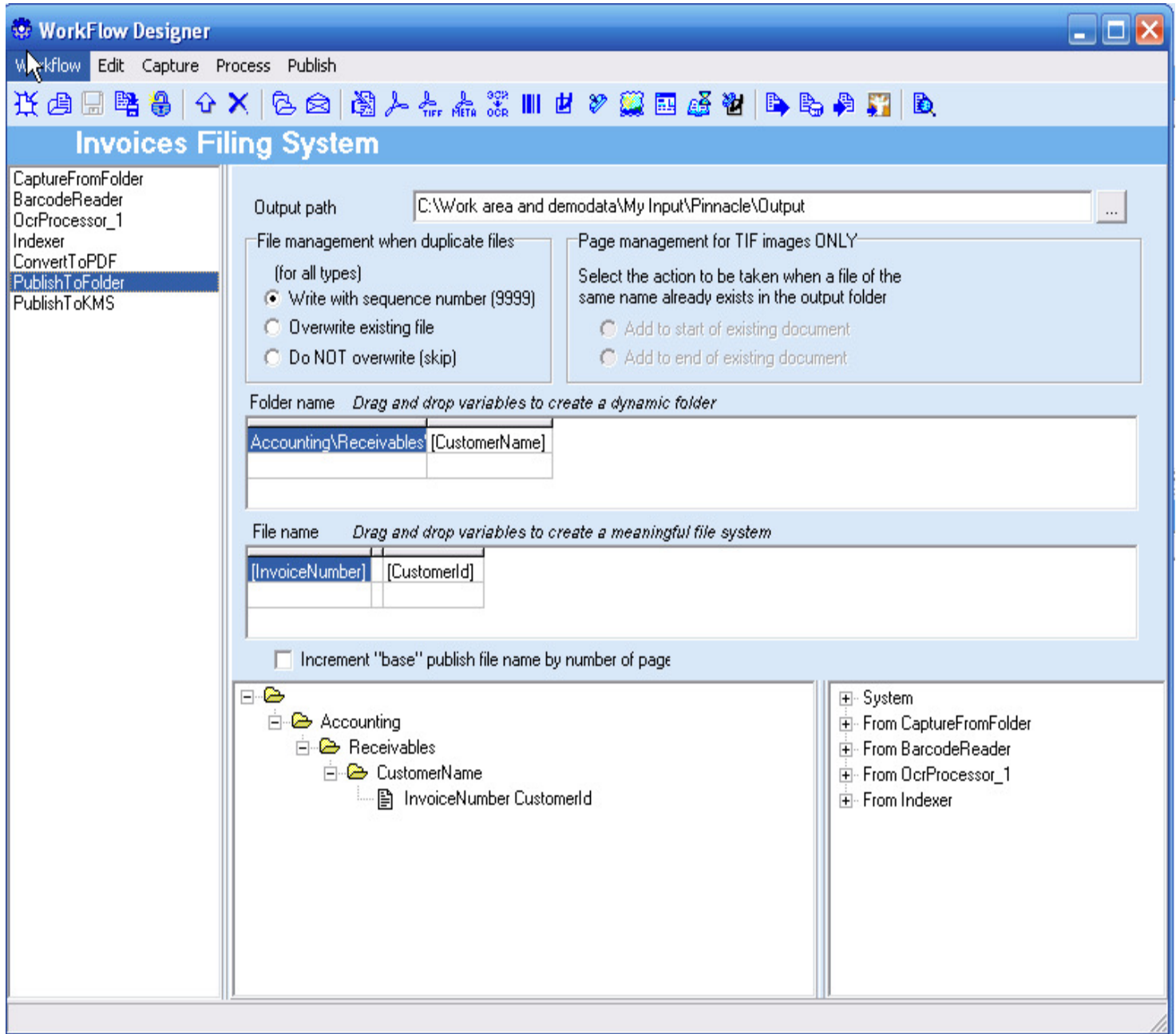
Anchor	Brownst...	Carson	Cooper1	Cooper2	Cooper3	Cooper4	Hubble1
Intellipack	Joslyn	Macleant1	OKInt	Southwire	WM1	WM2	

Buttons on the right of the dialog include: Add Image, Remove Image, Rename Image, Train Image, Rescan Folder, and View Image. A note at the bottom of the dialog states: "Note: image icons in red are untrained". A message log at the bottom shows:

Message	Time
C:\Work area and demodata\My Input\Reed City\Templates\Anchor.tif is valid template	11:39:21 PM
C:\Work area and demodata\My Input\Reed City\Templates\Brownst...tif is valid template	11:39:21 PM

At the very bottom, a status bar indicates "JI Library is loaded".

Publish To Folder Screen Shot



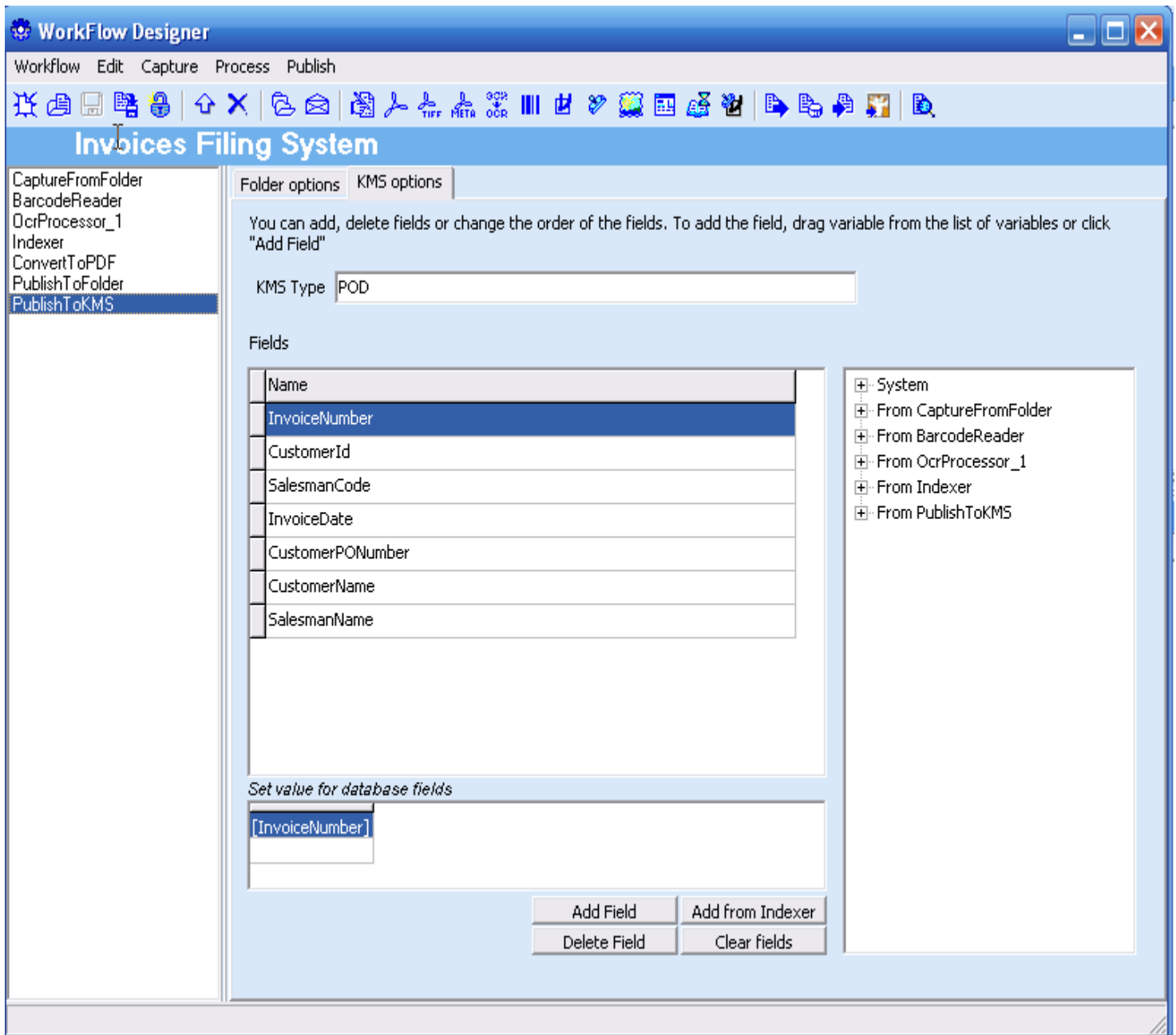
The screenshot shows the 'Publish To Folder' configuration window in the vFiler Workflow Designer. The window title is 'WorkFlow Designer' and the menu bar includes 'Workflow', 'Edit', 'Capture', 'Process', and 'Publish'. The toolbar contains various icons for file operations. The main area is titled 'Invoices Filing System' and contains the following configuration options:

- Output path:** C:\Work area and demodata\My Input\Pinnacle\Output
- File management when duplicate files (for all types):**
 - Write with sequence number (9999)
 - Overwrite existing file
 - Do NOT overwrite (skip)
- Page management for TIF images ONLY:**
 - Add to start of existing document
 - Add to end of existing document
- Folder name:** Drag and drop variables to create a dynamic folder. The configuration shows: Accounting\Receivables [CustomerName]
- File name:** Drag and drop variables to create a meaningful file system. The configuration shows: [InvoiceNumber] [CustomerId]
- Increment "base" publish file name by number of page
- Folder tree view:**
 - Accounting
 - Receivables
 - CustomerName
 - InvoiceNumber CustomerId

- System variables:**
- System
- From CaptureFromFolder
- From BarcodeReader
- From OcrProcessor_1
- From Indexer

vFiler™ can publish captured documents and indexed variables (metadata) to a user-definable Windows™ folder tree for redundancy. Many IT professionals love knowing their documents are being put in two places automatically during the filing process. It is true "Peace of Mind."

Publish To Pinnacle™ Knowledge Management System (KMS) Screen Shot



vFiler™ automatically publishes documents and index fields (metadata) to **Pinnacle™ KMS**. As you can see above, the KMS Type is the Document Type in **Pinnacle™** which can automatically trigger a routing workflow.

System Requirements

vFiler™ is a client application, not a service. It can be loaded on any of the following operating systems:

Windows 2000
Windows XP Pro
Windows NT
Windows Server 2000
Windows Server 2003

Hardware Requirements

512KB RAM - Minimum

15KB RAM per template if using the Forms Recognition feature

40GB Hard Drive

Licensing

vFiler™ is licensed through a software key (dongle.) Multiple workflows can run simultaneously from one scanning Workstation.

Why vFiler™

Businesses will find **vFiler™** to be a cost effective alternative to other high-cost capture and index applications.

And, it's tight integration to **Pinnacle™** will demonstrate to become an asset, not a liability.

We dare you to find a more robust automated filing application because there is none that compares to the feature list inside **vFiler™** for the price.

Plus, the world-wide acceptance in the IT world has made **vFiler™** the choice for capture and index.

For more details, screen shots and video presentations, visit:

<http://www.vircosoft.com>

Send us sample documents to request a live demonstration