PaperVision® Forms Magic Technology

Classify Documents and Extract Critical Data

The PaperVision Forms Magic technology (FM technology) offers unmatched accuracy of document recognition and classification. Any data within the document can be extracted to populate index values or other databases. The FM technology is a fully integrated component of PaperVision® Capture, and documents and data can be exported to a wide variety of Enterprise Content Management (ECM) systems including PaperVision® Enterprise and ImageSilo®.

Boost Efficiency with Document Recognition and Data Extraction

- Setup new forms in minutes using the artificial intelligence engine to begin recognizing document types immediately without complex programming.

- Accurate document recognition and classification eliminates the need for manual document sorting prior to scanning.

- Integrate forms processing into document management practices for a seamless information strategy.

Improve Control with Accurate Classification

- Utilize the only forms processing application with patented artificial intelligence to dramatically improve classification accuracy rates and reduce manual corrections.

- Process color forms, damaged records, and other low-quality original documents with ease.

- Convert vulnerable paper records into electronic files that are protected by user login, encryption, and multiple layers of system security.

MSI MOLD BUILDERS
DESIGNERS · BUILDERS
PLASTIC INJECTION MOLDS

"PaperVision Forms Magic has revolutionized our AP processes! We've been able to cut our invoice processing time by over 75%, saving 45 minutes and $40 per invoice. We're saving the organization money and improving relationships with our business partners. We love PaperVision Forms Magic."

- Jason Sojka, Network and Computer Systems Manager,
MSI Mold Builders

Save Money by Eliminating Costly Manual Processes

- Minimize costly keystrokes with data extraction that automatically populates index values or other line-of-business applications with critical data.

- Improve cash flow by speeding information processes and reducing time-to-payment schedules.

- Integrate forms easily into electronic workflow processes and distribute them quickly to improve decision-making throughout the enterprise.

For a complete product listing and technical information, please visit www.digitechsystems.com or call toll free 866.374.3569.
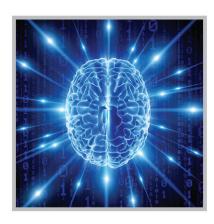
PaperVision® Forms Magic Technology

Classify Documents and Extract Critical Data

The PaperVision Forms Magic Technology for PaperVision® Capture is the only forms processing technology to leverage patented artificial intelligence (AI) to dramatically improve classification accuracy and extraction results. The Forms Magic technology (FM technology) will classify documents into types and extract the critical data you need to speed business processes and make better decisions. The FM technology works as a fully integrated component of PaperVision Capture, and documents and extracted data can be exported to a wide variety of Enterprise Content Management (ECM) systems including PaperVision® Enterprise or ImageSilo®.

The Benefit of Artificial Intelligence

The FM technology contains the only AI engine available in the document management industry. The software uses algorithms that learn from large data sets without relying on traditional rules-based programming; a category of AI known as machine learning. What's the benefit? Rather than lengthy setup processes that involve programmers manually importing documents into a forms processing application and telling the system what each document is--or worse, sorting documents by hand and typing identifying index terms manually--the FM technology learns by ingesting documents and develops its own patterns for classification. It is faster and easier to setup. In addition, by relying on many more data points than other applications, it offers dramatically more accurate results.

Extraordinary Recognition and Classification

Forget classification failures, rescanning, and manual error correction. For years, forms processing users have settled for the mediocre recognition and classification results produced by systems that rely only on Optical Character Recognition (OCR) to identify documents. Step up to the next level with Forms Magic! Much like the human eye-brain connection, the FM technology uses multiple data points to make classification decisions, including spatial layout and algorithmic analytics, ensuring accuracy rates above 90%!

Suite Options

Implement a comprehensive, automated ECM system with these additional components.

On-premise ECM – PAPERVISION® ENTERPRISE

Cloud ECM – IMAGESILO®

Award-winning enterprise scanning – PAPERVISION® CAPTURE

Automated business processes – PAPERVISION® ENTERPRISE WORKFLOW

Print stream processing – PAPERVISION® ENTERPRISE REPORT MANAGEMENT

Professional services are available to help you design and implement your entire ECM system.

Data Extraction Speeds Everything

Are you still hand-keying document management information? Break free with Forms Magic! Your business processes now move at the speed of information, because the FM technology automatically extracts the information you need on-the-fly during scanning. Extracted data can be used to populate index values or be sent to virtually any line-of-business application freeing you from hand entering data across the organization!

Maximize Your Information Strategy

Now you can easily bring virtually any type of information, form, or document into a cohesive system for secure management. Once ingested by the FM technology, the information is available for use by ECM, workflow, and other line-of-business applications. Now you can easily integrate almost any data into many business processes including healthcare claims, accounts payable (AP) and accounts receivable (AR).

PaperVision® Forms Magic Technology

Technical Specifications

The PaperVision Forms Magic Technology (FM technology) is an optional module of PaperVision® Capture that extends advanced capture functionality to include document recognition and classification as well as data extraction. Usage-centered licensing can be based on the number of documents classified, pages, or fields extracted, making forms processing accessible for everyone. The FM technology is part of a suite of Enterprise Content Management (ECM) products that also includes cloud and on-premise retrieval and management, business process management (BPM), and COLD/ERM processing.

System Overview

- Virtually any document or form type can be input into the system for recognition and classification
- Simple setup allows the system to automatically cluster like documents or you can manually identify categories
- Easy user interface and pre-defined templates allow administrators to graphically define and add new form types in seconds
- Form designer previews document setup by displaying output complete with extraction results to ensure accuracy before actual processing
- Patented, non-deterministic artificial intelligence (AI) engine quickly identifies document types from a virtually unlimited number of options
- Recognition based on both OCR and graphical data offers more accurate classification results
- Visual indicator shows the system's confidence in extracted information, including highlighting the words and zones used
- Extracted data can be used to populate index fields and line items without typing a single keystroke
- Anchors find specific data that may change location from page to page improving extraction
- Color drop out removes field borders and background imagery to improve extraction accuracy
- Communication Server coordinates effort between multiple users who can chat directly with one another
- Multi-page PDF document breaking allows operators to divide large document into smaller pieces
- All upgrades are included with annual maintenance, ensuring access to the latest product features and benefits
- Complete, detailed online help includes step-by-step instructions to get you started quickly
- Toll free, legendary technical support is eager to assist with any questions you may have

Security

- This add-on product is fully protected and supported by the same security features and capabilities of PaperVision Capture (see PaperVision Capture product sheets for details)

Scalability and Reliability

- Usage-centered licensing can be based on the on the number of documents classified, pages, or fields extracted
- Multiple servers can be used to load balance processing, maximizing hardware and delivering speedy results

Integration

- Direct integration with PaperVision® Enterprise and ImageSilo® eliminates the headaches of implementing a multi-vendor solution or export documents to virtually any other ECM application
- Data exchange with virtually any scanning application adds classification and extraction to existing imaging processes
- PaperVision® Enterprise WorkFlow can receive data from the FM technology into business processes to immediately deliver information to the point of use
- PaperVision Capture Business Rules can ingest FM data improving control and streamlining business processes
- Extracted data can be sent to other line-of-business applications minimizing the need to hand key data

System Requirements

In addition to the requirements for PaperVision Capture, we recommend the following:

- 4 GB of additional RAM for desktops – 8 GB total
- 8 GB of additional RAM for servers – 16 GB total

Professional Services

- Professional services are available to help design and implement your entire ECM system
- Custom code development is available to provide more sophisticated application integration to meet your needs
- Utilize Professional Services to train your entire organization
- Contact Professional Services for your custom export needs

For a complete product listing and technical information, please visit www.digitechsystems.com or call toll free 866.374.3569.