



I.D. Shield

Automated Redaction

## ID Shield Automated Redaction

Use ID Shield to remove sensitive data in electronic records for public record access or any document sharing process that involves non-disclosure of confidential information.

### Solution Highlights

- Proven solution with over one billion images redacted
- Highly accurate, rules-based technology
- Supports fully automated, verification-based and hybrid workflows
- Cloud-based and Redaction Service models
- Supports all common image formats: TIFF, PDF, GIF, JPG, PNG and Microsoft document formats, including Outlook, Word and Excel
- Supports all known sensitive data requirements from Sarbanes-Oxley, HIPAA, FOIA, Gramm-Leach-Bliley and PCI
- Advanced data capture (indexing) can be added to automate workflow
- Comprehensive audit trail

### How It Works

ID Shield uses powerful character recognition engines to convert scanned images to a digital format: OCR - Optical Character Recognition for machine print, ICR - Intelligent Character Recognition for handwritten content and MICR - Magnetic Ink Character Recognition for checks and money orders. ID Shield searches the OCR output to determine the presence and locations of sensitive data by applying rules-based logic based on pattern recognition, phrase context and location. An image found to contain sensitive data may be automatically redacted or sent to the ID Shield verification module. The redaction zone is then "burned-in" to a copy of the image.

currently available on the market.

Extract's National Rule Set contains production tested rules for more than 20 sensitive data fields based on the experience gained from delivering data capture and redaction solutions to hundreds of customers. These advanced detection abilities provide a substantial head start for new customers, speeding deployment and minimizing project costs.

### Custom Rule Set

Extract Systems develops custom redaction rules for every project to provide the most precise results of any solution on the market today. The rule writing team begins with the National Rule Set as the basis and applies additional logic and modifications to meet each customer's unique redaction requirements. This proven process allows every new customer to go into production with a highly effective redaction solution from the very first day, immediately maximizing ROI.

### National Rule Set™

ID Shield's superior accuracy starts with our National Rule Set, the most extensive library of redaction rules

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### Accuracy

Accuracy is the defining feature of a redaction solution. When redaction software fails to detect just one occurrence of sensitive information, such as a Social Security number, there is a real risk of identity theft. Manual verification/validation costs also increase when redaction software is not highly accurate. ID Shield achieves the industry's highest fully automated accuracy, mitigating the need for extensive verification.

Find or Redact - Find or redact text

Words/patterns (one per line)  
doe, jane  
doe, john

Input: Export:

Thumbnail of multi-page documents make verification faster and more accurate.

IN THE CIRCUIT COURT OF THE TW  
MANATEE COUNTY

DOE, JOHN  
000-66-5555

PETITIONER,

VS.

DOE, JANE  
444-33-5555

RESPONDENT.

JUDGMENT BY

"Find and Redact" feature searches for matches to any user-defined term or regular expression, such as names and dates. Terms and expressions can be saved and loaded for efficient reuse in subsequent documents.

# ID Shield Automated Redaction

## Scalable and Flexible

ID Shield can be integrated seamlessly into many processing environments with various performance and server requirements. Designed to handle projects of all sizes, including large quantities of archived records and daily processing of new documents, processors can be quickly added (or subtracted) from a project as needed.

ID Shield has been successfully integrated with dozens of document management, Case Management and Records Management systems.

## Redacting Historical Documents

ID Shield includes numerous optional features specifically designed to increase redaction accuracy within large repositories of historical documents where document quality is low, including: despeckling, de-skewing, line removal/repair, character repair and cleaning/removal of shaded areas in the document.

## Legislation Guard™

Extract's Legislation Guard feature provides customers with two methods of preparing for future redaction mandates by deploying preventative technology measures. In the first method, ID Shield captures the spatial location of other sensitive data fields that have the potential for mandate changes. If the mandate changes at some point in the near future, customers use those spatial locations to automatically redact the fields or send those affected images through ID Shield's verification queue. However, the mandate may not happen for several years, during which time the rules to capture redaction will significantly improve. In the second alternative, Extract writes new rules, free of charge, to improve accuracy.

## Fuzzy Text Search

Fuzzy Text Search matches all approximate results for a word, name or number pattern. This feature

noticeably improves accuracy, especially on documents with questionable quality where the OCR process is prone to errors.

## ID Shield Statistics Reporter Tool

Extract Systems stands behind its redaction accuracy commitments and provides all customers with a built-in ID Shield Statistics Reporter Tool. This tool allows customers to independently calculate redaction accuracy in production mode and verify that it meets requirements.

## Management Tools

ID Shield supports 17 different custom reports that can be set up for automatic email on a periodic basis. These status reports monitor and predict completion dates and times, maximize processor utilization and minimize human management time and cost.

## Any Angle Highlighter Tool

Any Angle Highlighter Tool was designed to remove private data handwritten within the margin of a document. This tool allows users to easily and intuitively redact sensitive content located anywhere on the document, with one swipe of the mouse.

Extract Systems, LLC  
6418 Normandy Lane,  
Suite 200  
Madison, WI 53719

Phone 877.778.2543  
Fax 608.216.7960  
<http://www.extractsystems.com>  
[sales@extractsystems.com](mailto:sales@extractsystems.com)



Advanced Data Capture and Redaction Solutions