ABOUT I.R.I.S.

Image Recognition Integrated Systems (I.R.I.S.) is a leading provider of 'Content to Process' technologies. I.R.I.S. offers solutions for automatic invoice and order processing, HR and supplier records as well as case management in legal, healthcare, and finance sectors.

I.R.I.S. provides technologies and solutions that capture data and information contained in documents, which are relevant to business processes. The goal is to make the data easily available while reducing operating costs.

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IRISXtract™
for Documents

Content to Process Solutions: Purchase Orders

ORDERS
DELIVERY NOTES
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FORMS
INVOICES
HR
CAPTURE
BI
txt
xlsx
doc
PDF
JPEG
TIFF
CLASSIFICATION
WORKFLOW
ARCHIVE
ERP
CRM

IRISXtract™ for Documents
Content to Process Solutions

BUSINESS PROCESS DIGITAL MAILROOM SOLUTIONS

I.R.I.S.
Document to Knowledge™
PRODUCTS & TECHNOLOGIES

IRISXtract™ for Documents –
THE "CONTENT TO PROCESS" PLATFORM

THE BUSINESS PROCESS APPLICATION PURCHASE ORDERS

Companies receive a variety of documents and information on a daily basis, both electronically and in paper form. Processing them can be time consuming and resource intensive. Yet, orders in particular must be processed precisely and quickly to reduce waiting times, throughput and delivery times to a minimum and therefore strengthen relations with customers. Automatically and digitally processing incoming information considerably increases efficiency and advances business process optimization. I.R.I.S.' state-of-the-art technology lightens your workload: **IRISXtract™ for Documents** means paperless processing! Already far more than a thousand customers trust **IRISXtract™ for Documents**' reliability, and all around the world a new system is installed everyday.

IRISXtract™ for Documents is an award-winning Intelligent Document Recognition (IDR) solution platform that automatically classifies documents arriving from various inboxes and transfers extracted data to subsequent business process applications. Relevant information is thus available almost immediately, resulting in reduced operating costs. Automated document management leads to increased reliability and quality, particularly when compared to manual data processing. With **IRISXtract™ for Documents**, a company's data is where it needs to be: in process! 'Content to Process': Evaluating data in terms of whether it is relevant to a subsequent process and identifying the respective business process is what our solution platform **IRISXtract™ for Documents** does.

For incoming purchase orders, this means that data must first be entered automatically. In this way, the data can be compared with the reference data; this includes, for example, supplier and customer data as well as price lists or other preceding quotations. If all the relevant data are present and correct, these can be reproduced accordingly and a production or efficient delivery can be triggered.

On the basis of **IRISXtract™ for Documents** I.R.I.S. has therefore developed a solution for automated purchase order processing. Thanks to the efficient capture and extraction of order-relevant data, purchase orders can be processed quickly and correctly. The Business Process Application Purchase Orders works with orders in any language. Even international orders can be processed, as the solution interprets the complete text according to generic rules and thus captures header data (customer number, delivery date, delivery address etc.) and line items (article and quantity). The application can process paper and electronic purchase orders, even if they are multi-page, have complex tables, or even entries wrapping over more than one line. It is freely scalable – starting with a few purchase orders a day up to several thousand.

Our years of project experience and customer feedback make this one of the most advanced pieces of software for automated purchase order processing. The technology is easily managed and flexible, and includes a broad range of configurable options to address each end-user's organizational requirements. Due to the seamless integration of **IRISXtract™ for Documents** into ERP, CRM, ECM PPS, BPM, archive and workflow systems, the entire order processing can therefore be automated, qualitatively optimized and, above all, accelerated in the interest of the customer.

Business Process Application Purchase Orders
FEATURES

EXTRACTED DATA:

Standard:
- ✗ Customer/customer number
- ✗ Order number/date
- ✗ Delivery address/date
- ✗ Article name/number
- ✗ Quantity/unit

Optional:
- ✗ Billing address
- ✗ Price
- ✗ Delivery/price conditions

REFERENCE DATA RECONCILIATION: INTEGRAL PART OF THE ORDERING SYSTEM

Reference data reconciliation is essential for quality assurance and, as well as searching for individual items, it allows missing information to be completed, the document to be assigned to the relevant customer and other customer information to be captured. Addresses are searched either rule-based or by comparing with the information contained in the reference data. However, delivery and billing addresses are often different. To be able to identify these accordingly, a keyword search is done or the addresses are searched using structural properties. After identifying the customer, the system can assign the purchase order to the relevant Service Level Agreement. The delivery requirements it defines must be considered, even if they do not appear on the purchase order. Also, information can be generated for the production process. A list of stop words can also be created in the reference data, which require special handling with the purchase order. For example, this can be set up for special conditions. If the system recognizes the stop words, the document can be processed at what is known as a VERIFY workstation. At this workstation, data can be validated and added, both manually and also by OnMouseClick.

EFFICIENT EXTRACTION FOR AN EFFICIENT ORDERING PROCESS

The in-house Optical Character Recognition (OCR) Engine, the XContext full text recognition, the multi-stage and therefore precise extraction according to defined keywords as well as the table finder guarantee unrivalled extraction performance. The XContext Engine is the core technology which searches through the captured text for relevant data/data types and interprets them. It sets the benchmark for intelligent document analysis – so that there is no further need to create templates. Searching through entries is performed – even for complex table structures – structurally or by comparison with the reference data of the articles.

REVIEW OF THE CONTENT OF ALL DATA FIELDS OF A PURCHASE ORDER

This process is done after the extraction and first checks the individual data field syntax using regular expressions and look-up tables. Then, the interactions between the various fields are reviewed. The result contains information from the document which is enhanced by the reference data.

CONTROLLED CAPTURE TRAINING

For special cases, the software enables customer-specific training for recognition performance optimization. The system identifies a purchase order using structural and syntactic properties and rules. If a purchase order deviates too much from these properties and rules, the system can be trained accordingly to capture customer-specific fields. This can be done as standard for header data and is also configurable for table fields.

CUSTOMIZING AND SCRIPTING TO FULFIL INDIVIDUAL REQUIREMENTS

The solution can be adapted to company- and country-specific specifications and requirements. An editor enables the simple configuration of applications, for example, using "Yes" and "No" switches or through regular expressions. For example, if a certain project requires comparing the purchase order with a previous quotation or price lists, this can also be set up individually. In order to meet possible further company-specific requirements, with Visual Studio Tools for Applications (VSTA), as well as the standard settings and the comprehensive configuration options, a powerful scripting interface is also available. In this way, the recognition and extraction components can be scripted and other fields added.