Tungsten AP EssentialsTM

Product Summary







Tungsten AP EssentialsTM

Tungsten AP Essentials provides market-leading capture, extraction and validation for invoice processing. Its configurable business rules, general ledger coding and user driven approval and exception workflows are offered on Microsoft Azure.

Business Challenges

- Paper-based invoicing can result in inefficient and costly manual processes, especially for organizations that work with multi-national suppliers and must accommodate invoices across languages.
- Manual tasks slow down processing. Errors in keying data or matching line item quantities and prices are costly, delaying approvals and timely payments.
- Lack of visibility reduces control over invoice processing. Without a single view of all invoices, critical bottlenecks are missed, resulting in longer processing times and costly exception processing.
- Delays in posting invoice data into the ERP offer an incomplete financial picture. Business units don't have up-to-date information. Finance managers have an incomplete view of cash requirements.
- Time-consuming maintenance, upgrades and IT support. Cost and effort associated with upgrades and maintenance impact performance and bottom line results.



Benefits

- Accommodating subscription options: Choose a 60-day free trial or prepaid volumes or annual (1- to 3-year) subscription.
- An e-commerce option: Processing monthly subscriptions online is available for Microsoft D365 **Business Central.**
- Improved invoice cycle time: Reduced costs for manual keying and verification leaves an option to reassign employees to more valued work. Automated extraction rates, typically 80-90%, ensure optimal process flow.
- One solution for paper/email/e-invoices: Ensure compliance with new legislation by having one single point of entry for your invoice regardless of format received. Through the Tungsten AP Essentials integration with Tungsten Invoice Portal, you can easily integrate with several e-invoice networks right out-of-the-box.
- Available 24/7: Access via the cloud ensures invoice automation is available anywhere you have an internet connection.
- Reduced IT requirements: Implementation is fast and requires no hardware or software investments; no time-consuming maintenance, upgrades or updates.
- Improved supplier relationships: Faster invoice processing eliminates late-payment penalties and increases early payment discounts.

	н 🗈 н	II 🖨 🗙										
									Trock ID: 20220208-54/1	D 0	0	• •
										BUYER AND SUPPLIER	1	
										O Customer account	Customer 1	
			AF	Polychemt	tex Inc.					O Buyer	Buyer 1	
			0	10						Supplier name	Polychemtex Inc.	
										Supplier number	00001	
			Polychem 1 Main St					INVOICE		GENERAL		
			Townsville					INVOICE		O Document type	British purchase order in	woice (subdocu •
			DH9 OTB Phone: 45							InvoiceNumber	949281	
			VAT No: 0	58999 9999 73						O InvoiceDote	10/21/2022	
				561947986 : 5833-3543						OrderNumber	000038	
			Plusgiro:							O VATReg	GB999999973	
			BILLING A	DDRESS	DELIN	ERY ADDRESS	INVOI	E NUMBER 949281		Contact	Search	
			ACME Inc		ACMI	E Inc		OKE DATE 10/21/2022		AMOUNT		
			44 Shore : Macduff	St		ore St		DUE DATE 11/20/2022		O NetValue		1,072.83
			AB4 1TX		Macd							
					AM6 1	TX	ORDE	R NUMBER DOCCISE		O VATRote		0.00
					AB4 1	TX	ORDE	R NUMBER DOOD38		VATRote		
			OCR-nr: 1	02307792329	A64 1	ITX	ORDE	R NUMBER DODO38				260.52
			OCR-nr: 1		A1834	TX HIPPING TERMS				O VATVolue	ELIR	260 52 1,563.14
			1000-0000 20		s	2004	DEL			VATValue CrossValue	EUR	260 52 1,563.14
			SHIPPING	METHOD	S F	HIPPING TERMS	DEL	VERY DATE		VATValue CrossValue	EUR	260 52 1,563.14
			SHIPPING UPS ITEM # M0061	DESCRIPTION Catalyst	S F	HIPPING TERMS ree shipping. UNIT 10 Ea.	DEU 10/2 UNIT PRICE 59.99	VERY DATE 1/2022 REBATE LINE TOTAL 9.99 \$300.00		VATValue CrossValue	EUR	260 52 1,563.14
			SHIPPING UPS	DESCRIPTION Catalyst Resin	S F QTY	HIPPING TERMS ree shipping. UNIT	DELI 10/2 UNIT PRICE	VERY DATE 1/2022 REBATE UNE TOTAL		VATValue CrossValue	EUR	260 52 1,563.14
da l'a	1 /1 + 1	25% - @	SHIPPING UPS ITEM # M0061 M0062 M2001	DESCRIPTION Catalyst Resin Deionized water	aty.	HIPPING TERMS ree shipping. UNIT 10 Ea. 10 Ea.	DEL 10/2 UNIT PRICE 59.99 59.99	VERY DATE 1/2022 REBATE LINE TOTAL 9.99 500.00 9.99 500.00		VATValue CrossValue	EUR	260 52 1,563.14
	1 /1 + H	25% -	SHIPPING UPS ITEM # M0061 M0062 M2001	DESCRIPTION Catalyst Resin Deionized water	aty.	HIPPING TERMS ree shipping. UNIT 10 Ea. 10 Ea.	DEL 10/2 UNIT PRICE 59.99 59.99	VERY DATE 1/2022 REBATE LINE TOTAL 9.99 500.00 9.99 500.00	Line Items	VATValue CrossValue	EUR	260 52 1,563.14
+ (U_ProductCode	U_Description	SHIPPING UPS ITEM # M0061 M0062 M2001 +	DESCRIPTION Catalyst Resin Deionized water X H I D	S P QTY S S S	HIPPING TERMS ree shipping. UNIT 10 Ea. 10 Ea. 5 Ea. 9 Ett_Disco	0EU 10/2 UNIT PRICE 59.99 59.99 1.99	VERY DATE 1/2022 REBATE LINE TOTAL 9.99 500.00 9.99 500.00 9.99 500.00 9.99 S00.00 9.99 S00.00 1.99 S00.00 9.99 S00.00 1.99		VATValue CrossValue	EUR	260 52 1,563.14
+ (D B / ProductCode Q MODe1	U_Description I	SHIPPING UPS ITEM # M0061 M0062 M2001 + +	DESCRIPTION Catalyst Resin Deionized water X H I D	S QTY S 7	HIPPING TERMS ree shipping. UNIT 10 Ea. 5 Ea. 9 U Disco 50:99	0EU 10/2 UNIT PRICE 59.99 59.99 1.99 1.99	VERY DATE 1/2022 REBATE LINE TOTAL 9.99 S00.00 9.99 S00.00 9.95 Accounting L[TotalVolue] 500.00		VATValue CrossValue	EUR	260 52 1,563.14
+ () (D B ProductCode Q Model Q Model Q Mode2	U_Description I Cotalyst Resin	SHIPPING UPS ITTEM # M0061 M0062 M2001 + I Quantity 1000 1000	En Contract Method	S QTY S 7	HIPPING TERMS ree shipping. UNIT 10 Ea. 5 Ea. 9 ULDisco 5999	UNIT PRICE 59.99 59.99 1.99 1.99 2.99 2.99 2.99 9.99	VERY DATE 1/2022 REBATE LINE TOTAL 9.99 S00.00 9.99 S00.00 9.95 Accounting LTotafVolue S00.00 S00.00		VATValue CrossValue	EUR	260 52 1,563.14
+ () () (D B ProductCode Q M0061 Q M0062 Q M2001	U_Description I	SHIPPING UPS ITEM # M0061 M0062 M2001 + I_Cluantity 10.00 10.00 5:00	EXEMPTION DESCRIPTION Catalyst Resin DelonIzed water X H I P UUUettofMeasure Ea. Ea. Ea. Ea. Ea.	S QTY S 3 U_UotPric	HIPPING TERMS ree shipping. 10 Ea. 10 Ea. 5 Ea. 8 LL Disco 5999 5999	UNIT PRICE 59.99 59.99 1.99 1.99 9.99 9.99 0.00	VERY DATE 1/2022 REBATE UNE TOTAL 9.99 500.00 9.93 500.00 9.95 Accounting Lotal/Value 500.00 9.95		VATValue CrossValue	EUR	260 52 1,563.14
+ (D B ProductCode Q Model Q Model Q Model Q Model Q Model	LU_Description Catalyst Catalyst Resin Desonized water Potossium Hydroxide	SHIPPING UPS ITEM # M0061 M2001 #2001 + + I.Quantity 1000 1000 1000	EXEMPTION DESCRIPTION Catalyst Resin Deionized water X → I ■ U_Uenzof/Measour Eo. Eo. Eo. Eo.	S QTY S 3 U_UotPric	HIPPING TERMS ree shipping. 10 Ea. 10 Ea. 5 Ea. 5 Ea. 5000 5000 100 100 100	UNIT PRICE 59.99 59.99 1.99 1.99 4.45 9.99 9.99 0.00 0.00	VERY DATE 1/2022 REBATE UNE TOTAL 9.99 500.00 9.99 500.00 9.93 500.00 Accounting 1.Total/Value 500.00 9.93 1.Total/Value		VATValue CrossValue	EUR	0.00 260.52 1,56314
		U_Description Cotalyst Resin Deionized water Potossium Hydroxide EDTA	SHIPPING UPS M0061 M0062 M2001 + I Quantay 10.00 10.00 10.00	ESCRIPTION Catalyst Resin Delonized water X → I P U_UestofMeasure Ea Ea	S QTY S ULUotPric	HIPPING TERMS ree shipping. UNIT 10 Ea. 10 Ea. 5 Ea. 5009 5009 100 100 1259 149	UNIT PRICE 59.99 59.99 11.99 11.99 9.99 9.99 9.99	VERY DATE 1/2022 REBATE UNE TOTAL 9.99 500.00 9.99 500.00 9.93 500.00 1.Total/Volue 500.00 500.00 9.95 1.799 14.90		VATValue CrossValue	EUR	260 52 1,563.14
	D B ProductCode Q Model Q Model Q Model Q Model Q Model	LU_Description Catalyst Catalyst Resin Desonized water Potossium Hydroxide	SHIPPING UPS ITEM # M0061 M2001 #2001 + + I.Quantity 1000 1000 1000	ESCRIPTION Catalyst Resin Delonized water X → I P U_UestofMeasure Ea Ea	S QTY S ULUotPric	HIPPING TERMS ree shipping. 10 Ea. 10 Ea. 5 Ea. 5 Ea. 5000 5000 100 100 100	UNIT PRICE 59.99 59.99 1.99 1.99 4.45 9.99 9.99 0.00 0.00	VERY DATE 1/2022 REBATE UNE TOTAL 9.99 500.00 9.99 500.00 9.93 500.00 Accounting 1.Total/Value 500.00 9.93 1.Total/Value		VATValue CrossValue	EUR	260.52 1,563.14
		U_Description Cotalyst Resin Deionized water Potossium Hydroxide EDTA	SHIPPING UPS M0061 M0062 M2001 + I Quantay 10.00 10.00 10.00	ESCRIPTION Catalyst Resin Delonized water X → I P U_UestofMeasure Ea Ea	S QTY S ULUotPric	HIPPING TERMS ree shipping. UNIT 10 Ea. 10 Ea. 5 Ea. 5009 5009 100 100 1259 149	UNIT PRICE 59.99 59.99 11.99 11.99 9.99 9.99 9.99	VERY DATE 1/2022 REBATE UNE TOTAL 9.99 500.00 9.99 500.00 9.93 500.00 1.Total/Volue 500.00 500.00 9.95 1.799 14.90		VATValue CrossValue	EUR	260 52 1,563.14

All Editions

- Extraction rates as high as 95%*. The Basic Edition includes header-footer extraction only.
- Adaptive, self-learning, knowledge processing: Improves in speed and precision as it learns to locate data in invoices, delivering more value over time.

TUNGSTEN AP ESSENTIALS EDITIONS								
Basic	Premium	Enterprise						
 Header footer extraction Online correction ERP integration Analytics XML and image output 	 Line pairing 2-way; 3-way match Header footer extraction Online correction ERP integration Analytics XML and image output 	 Approval workflows Exception workflows Assisted GL Coding Line pairing 2-way; 3-way match Header footer extraction Online correction ERP integration Analytics XML and image output 						

- Advanced analytics: Prebuilt dashboards provide insight and visibility into operator productivity and invoice activity. Use it to identify top areas for optimization and improvement.
- ERP integration: Invoices are automatically posted in Microsoft Dynamics 365 Business Central, Microsoft Dynamics 365 Finance, Oracle NetSuite, Oracle Fusion Cloud, and Coupa. For other users, an XML file containing invoice data and an invoice image is provided to facilitate integration.
- Built-in support for regional variations: Country-specific settings include tax rates, date and amount formats, currencies and character sets.
- Highly secure solution: Single Sign On (SAML 2.0), OpenID Connect for Single Sign On and two factor authentication are supported. Regular penetration tests are performed by a third party. Tungsten AP Essentials is SOC 2 Type 1 attested, providing enterprise-grade security for customers' data managed in the Tungsten AP Essentials cloud platform. Tungsten AP Essentials is also compliant with the US NACHA rule.
- Support for utility bill extraction: Reduce time processing complex invoices with sophisticated OCR. Data transfer-based document extraction reduces the need for human intervention and helps you ensure timely payments.
- Administrative services: Provide account management and reporting services for accrual, billing, processing times, processing volumes, etc.
- Tungsten AP Essentials API (REST-API): Allows remote access to services that are available in Tungsten AP Essentials. The API provides advanced integration options between Tungsten AP Essentials and other systems for exchanging information.

*Basic edition extraction rates no lower than 80%.



- Storage: If Tungsten AP Essentials' storage is used, invoice images and audit data is retained long term. Additional documents can also be attached to an invoice and uploaded, e.g. Microsoft Word and Excel files.
- **Export:** The invoice image and corresponding XML data are exported to the receiving application. If one of the Tungsten ERP connectors is used, then this process is automatic. Other export mechanisms such as SFTP, API and Tungsten AP Essentials Connect are also available.

Premium Edition (Includes Basic Edition)

- Line-item data capture: Recognizes line-item data even if line lengths differ, are not symmetrically spaced, or come from a multi-page invoice.
- Order line pairing: Validates sums and tax amounts and matches invoices to purchase orders.
- Two-way and Three-way match: Automatic holds for goods receipt can be configured.

Enterprise Edition (Includes Premium and Basic Editions)

- Approval and exception workflows are triggered based on invoice data. After the final step in an approval workflow, invoices and corresponding data are available for export, archive or payment, etc.
- GL Coding: Users are provided guidance in selecting general ledger codes based on past usage and context.

Technical Specifications

Supported File Formats

- JPEG, JPG, PDF version 1.3 to 1.7. PNG, TIFF, TIF. All invoice images must have a resolution of 300 dpi and a minimum height of at least 1,000 pixels.
- For PDF documents, if possible choose a low compression setting when generating the images, as this will improve the extraction performance and readability.

Scanning Requirements and Conditions

- Color, grayscale and bitonal images are supported.
- Simplex and duplex scanning is supported and any blank pages are removed. Invoices scanned with any scanning application are saved locally and securely uploaded to Tungsten AP Essentials.



Upload invoices for interpretation and data extraction. Check and correct interpreted data.



Validate, match, code and approve PO and non-PO invoices.



Automatically transfer invoices and data to target system(s).

Tungsten AP **Essentials**

	FAX AP Esse	ntials							Ben Martin Help Log ou
н	E H I G	2 X 8	+				Treck (D: 20220314-8/1	0	
		5	M9202 Dust	cap	1.99	9.95		BUYER AND SUPPLIE	P
		1	M9203 Ferri	e cap	9.95	9.95		Customer account	
		1	M9210 Cone	and coil assembly	9.95	9.95		Ø Buyer	Buyer 1
		5	P2000 Clear	er	1.99	9.95		Supplier.name	Anconio Corp
								Supplier number	0000007
		1		ropylene pellets	16.50	16.50			
		7	P4001 Polys	ropylene chips	36.50	255.50		GENERAL Debit/Credit	Invoice
		10	P4002 Polys	ropylene blocks	9.99	99.90		S Invoice number	349788
		10	P4003 Poly;	ropylene slag	9.99	99.90		Invoice date	10/21/2022
	Search purchase o	rdor lines						Order.number	4500000083
3	Search porchase a	roter in Kes						O Due date	11/20/2022
			T. 0					AMOUNT	
	PO NUMBER	LINE NUMBER	SUPPLIER NUMBER	ARTICLE	DESCRIPTION QUANTITY			SNOON1	1106.0
	45000000		JOFFDER HUMBER	19				O VAT rote	0.0
								S VAT amount	0.0
	450000083 450000083	00010	1000010	SG35 SG6100	SEMI35 + F4511 (2T) 10 SEMI6100, PV, PD, Char 20			Gross amount	1,106.0
	4500000085	00010	10411010	\$G224	SEMI224, MTO, PD, Zwi 2				
	4500000086	00010	10411010	56224	SEMI224, MTO, PD, Zwi 2				
						Internet Income			
	A maximum of 200	lines con be disployed	d. Use filters to narrow the se	orch results.		Concel			
					Total	1,106.06			
I4 2	/2 > 31 37%		+ X H I 4	8 8			2.1		
+ 0 1	Contraction of the Contraction o					Accounting	Line items		
	20 E Qty 0000083	5.00 M0052	Description	Unit price	9.95				
	0000083	5.00 M0052	Lens	1.99	9.95				
the second se	0000083	5.00 M2005	Oleic Acid	1.99	9.95				
	0000083	5.00 M2007	Glycerine	1,99	995				
Q 450	0000083	10.00 M2008	Sodium Tallowat	e 4.99	49.90				
The second second second second	0000083	10.00 M3006	Point Bose	4.99	49.90				
Q 450		5.00 M4004	Polypropylene	1,99	9.95				
Q 450 Q 450 Q 450	0000083	5.00 M0010	Disocuonota		0.04			e	

Automated 3-way match (invoice to PO to goods received) highlighting mismatch in guantity ordered and delivered.

Captured Fields

 Approximately 10 fields are captured per document including header data such as invoice number, invoice date, total amount and net amount. At the line item level, typically quantity, part number, description and amount.

Invoice Input Options

You have options when it comes to uploading invoices:

- E-mail attachments to customer-specific addresses
- Upload through Online Connect
- Upload through the web user interface

Invoices can be uploaded one by one or in batches. When a single PDF document is received containing multiple invoices, the page separation service can be used to quickly split these into individual invoices.

XML Formats

We currently support the following formats when sending invoices via email:

- E2B • EHF • UBL • FatturaPA
- ESXML Svefaktura ZUGFeRD • Finvoice

Emails can have multiple attachments. When an XML invoice is verified, an invoice image is generated from the XML to make verification easier. A service is available for users subscribed to Tungsten Invoice Portal.



Language Support

Tungsten AP Essentials user interface supports the following languages:

• English (American, Australian, British, Irish), Chinese (Simplified), Danish, Dutch, Filipino, Finnish, French, German, Indonesian, Irish, Japanese, Korean, Malay, Norwegian, Philippines, Polish, Portuguese (Brazil), Spanish, Swedish, Thai

By default, the interface language is determined by the language settings of your web browser. The language settings of your web browser also determine the currency and date formats that are displayed in the invoice view in verification. Please see product documentation for additional languages supported.

Invoice Origin

Tungsten AP Essentials has optimized invoice extraction for invoices originating from the following countries to take advantage of country specific formats or fields. For other countries not listed below that have similar country character sets, an existing format may be used.

- Argentina
- Australia
- Austria
- Belgium
- Brazil
- Canada
- Chile
- China
- Colombia
- Czech Republic
- Denmark

- Estonia Finland
- France
- Germany
- Great Britain
- Hong Kong
- Iceland
- India
- Ireland
- Israel
- Italy

- Japan
- Korea
- Latvia
- Lithuania
- Malaysia
- Mexico
- The Netherlands
- New Zealand
- Norway
- Poland
- Portugal

- Russia
- Slovakia
- South Africa
- Spain
- Sweden
- Switzerland
- Thailand
- Turkey
- USA
- Vietnam

Please see product documentation for more detail on country specific invoice formats supported.

Supported Browsers

Users interact with Tungsten AP Essentials through a web-based application, which is compatible with the latest versions of the following web browsers:

Google Chrome

• Edge

• Internet Explorer 10+

• Safari (Mac)

• Firefox

Deployment Environment

Tungsten AP Essentials runs on Microsoft Azure and is developed based on native Azure capabilities for cloud computing. The Azure platform enables hosting and scaling applications in Microsoft data centers in the most efficient way, providing a foundation for maintaining a high level of availability, security and compliance.

Tungsten AP Essentials Connect

Tungsten AP Essentials Connect is a locally installed application used when an integration with an on-premises target application is required.

Tungsten AP Essentials Connect is used to perform a number of tasks, such as automatic uploading of invoices and purchase order data, downloading and transferring of data from Tungsten AP Essentials to a local ERP system, and transfer of master data for invoice validation.

Online Connect normally runs as a background service on a standard PC or server and uses encrypted httpsprotocol to communicate. It's automatically updated when new releases are made available.

Discover more about Tungsten AP Essentials at www.TungstenAutomation.com.



About Tungsten Automation

Tungsten Automation, formerly Kofax, is the global leader in intelligent automation solutions with a trusted legacy of nearly 40 years, with a team of 2,000+ employees in 40 countries, serving 25,000+ global customers. Our dedication to innovation and customer success has earned us industry recognition, including being named a leader in Intelligent Automation (IA), Intelligent Document Processing (IDP) and Process Orchestration by top analysts. We are trusted to help businesses gain unprecedented efficiencies and reduce costs through Al-powered workflow automations that propel their businesses into the future.

To learn more, visit **www.TungstenAutomation.com**

www.TungstenAutomation.com



© 2024 Tungsten Automation Corporation. Tungsten Automation, Tungsten, and the Tungsten Automation logo are trademarks of Tungsten Automation Corporation. All other trademarks are the property of their respective owners.



