Design Print Scan
Continuous Improvement Solutions

Jamie Tilley
Cloud Printing Solutions Ltd
T: 0161 818 6446
W: cloudprintingsolutionsltd.com

Cloud
Printing Solutions
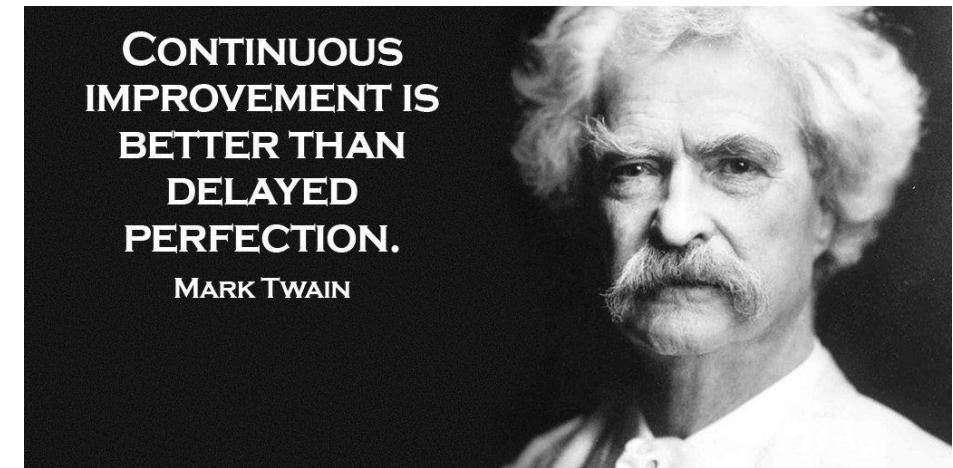
Continuous Improvement

What does continuous improvement mean?

It means no process can ever be declared perfect but it can always be improved.

Continuous improvement drives both the improvement of processes and products. Companies that actively look for ways to enhance their business will invariably increase the value of their products and services. This will lead to more sophisticated and overall more economically competitive offerings.

Typical reasons for continuous improvement reviews

- Improve Application / Solution Workflow Processes
- Improve Employee Efficiency / Performance / KPI's
- Improve Equipment Performance / Quality
- Improve Employee / Customer Satisfaction
- Reduce Costs / Returns / Fines
- Reduce Waste / Carbon Footprint

CONTINUOUS IMPROVEMENT IS BETTER THAN DELAYED PERFECTION.
MARK TWAIN

When is your next continuous improvement review?

Cloud Printing Solutions

About Cloud Printing Solutions

Cloud Printing Solutions Ltd
T: 0161 818 6446
W: cloudprintingsolutionsltd.com

Industry Experience

- Long term experience and expertise in barcode and RFID, manufacturing and supply chain printing & scanning solutions

- Leading specialist in label management systems and printing solutions
- The Industries Leading Partner for Loftware NiceLabel Cloud

High ROI

- We help businesses modernise legacy automatic identification and labelling systems with next generation label management and barcode quality control solutions that deliver high ROI's.

Best Practice & Process Improvements

- Systems that provide best practice, process improvement and quality standards to ensure your business is ready for the future of quality controlled or regulatory labelling, such as GS1, FDA-UDI, EU-MDR, EU Food Regulations, GHS/CLP and more…
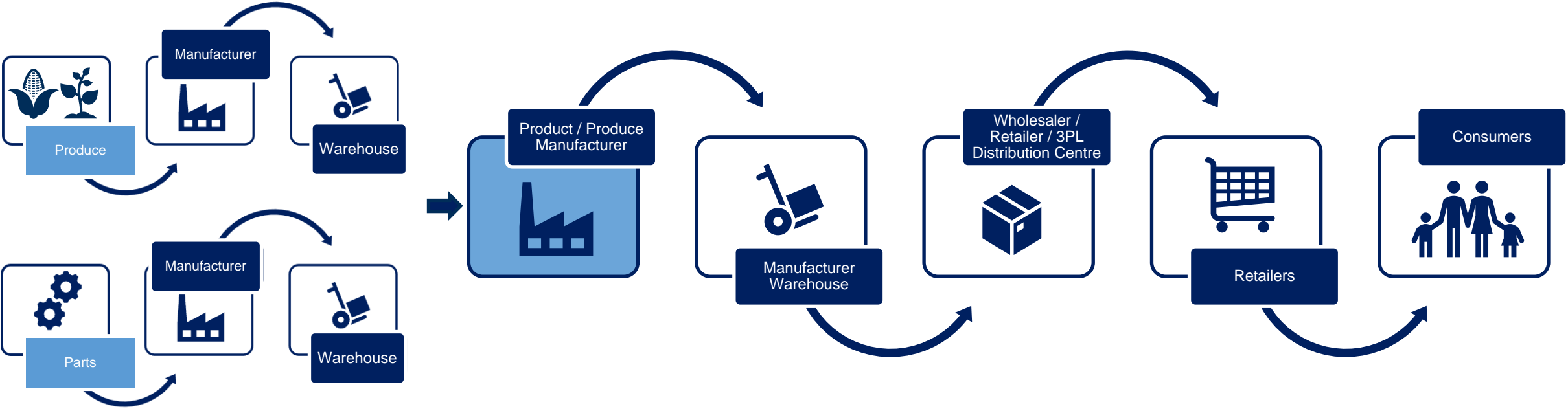
Cloud Printing Solutions

Manufacturing & Supply Chain printing & scanning solutions

This ebook will guide you through the 3 principle stages of designing & managing manufacturing and supply chain printing and scanning applications to support continuous improvement reviews.

Design	Print		Scan	
Software	Software	Hardware	Barcode Scanners	Mobile Computers
The 1st stage for any barcode printing and scanning solution starts with software to; • Manage users • Design templates (labels/documents etc) • Manage approvals workflows • Centralise template storage	Once templates have been designed its time configure the software and; • Design manual printing solutions • Design integrated printing solutions • Design data management solutions to support printing solutions.	During the template design stage you will identify the appropriate printing technology and version of printer required, such as; • Direct Thermal • Thermal Transfer • Colour Inkjet • Continuous Inkjet (CIJ) • Thermal Transfer Overlay (TTO) • Laser	Now that we had printed the barcodes we need to consider which type of handheld, fixed position or wearable barcode scanner will optimise user performance.	Many applications now require the mobile computer to include an integrated barcode scanner to simplify data capture applications. But keep an eye on lower cost hand held computers without a scanner that pair with wearable scanners to give user a complete hands free experience increasing productivity.

Cloud Printing Solutions

The importance of manufacturing and supply chain printing & scanning solutions

Cloud Printing Solutions

Manufacturing | Supply Chain (In) | Finished Goods Manufacturing | Supply Chain (Out)

Produce — Manufacturer — Warehouse

Parts — Manufacturer — Warehouse

Product / Produce Manufacturer → Manufacturer Warehouse → Wholesaler / Retailer / 3PL Distribution Centre → Retailers → Consumers

From raw material supplier to consumers. Primary, secondary and tertiary **barcode labelling, coding, marking and scanning** play a key part in every step of in-bound and out-bound manufacturing and supply chain solutions.

Without quality-controlled printing software and scanning solutions, products are at risk of not being supplied resulting in lost or reduced incomes.

Cloud Printing Solutions

Typical **Manufacturing & Supply Chain** printing & scanning applications
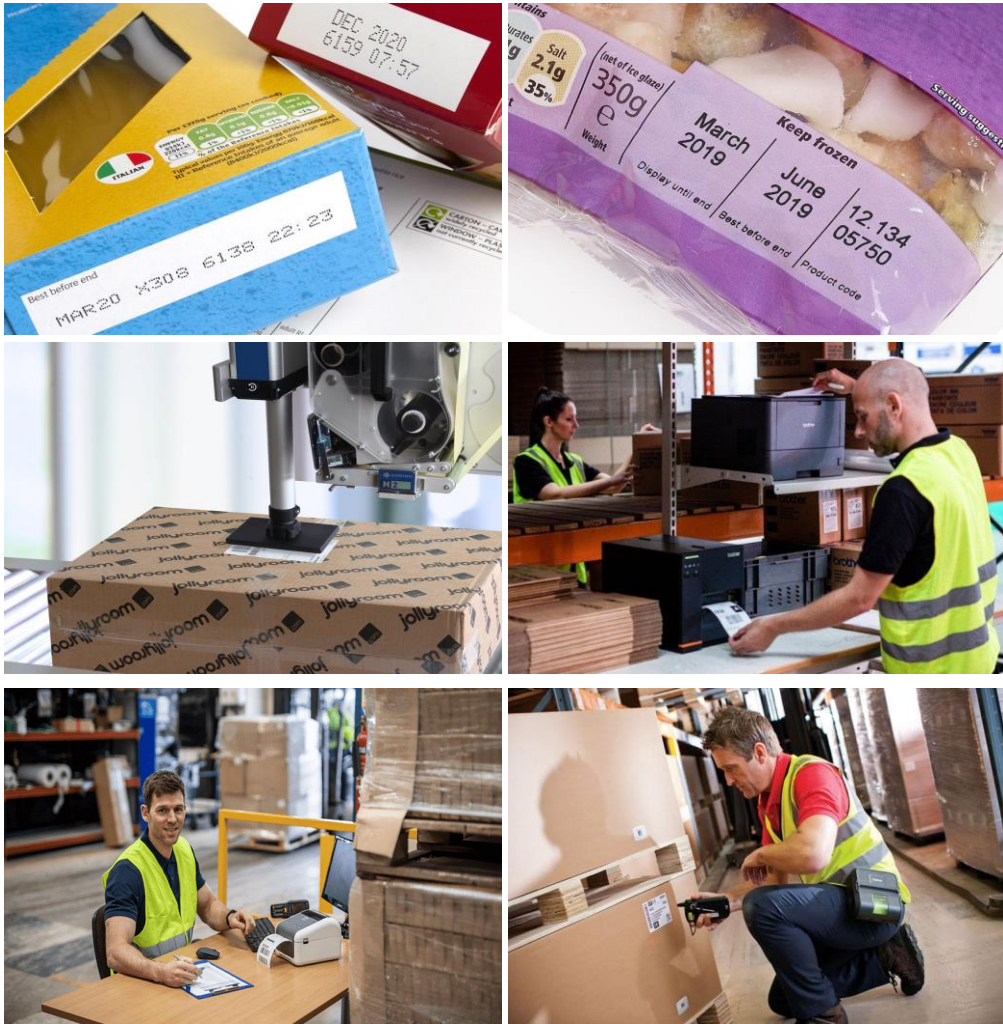
Application	Direct Marking / Printing	Label	Document
Goods in			
Product Identification		*	
Put away Labels		*	
Picking			
Works Orders			*
BOM / Pick Lists			*
Production			
Date Code	CIJ		
Product information	TTO	*	
Assembly / Staging / Packing			
Product Identification		*	
Repacking / Kitting Labels		*	
Work in Progress		*	*
Product/Promotion Sheets			*
Certificates			*
Packing Lists			*
Packaging / Carton Labels		*	
Goods out / Dispatch			
Delivery Notes			*
Invoices			*
Shipping/Address Labels		*	
Pallet Labels		*	

Design

NiceLabel Cloud
Cloud based Label Management System (LMS)

Cloud Printing Solutions Ltd
T: 0161 818 6446
W: cloudprintingsolutionsltd.com

Cloud Technology Strategy

Key benefits recognised by Business and IT Leaders

NiceLabel Cloud

Eliminates HW, SW and
database infrastructure costs

Removes the need to install,
monitor and manage

Speeds implementation,
rollout and scale

Simplifies upgrades
to new versions

Leverages advanced
cloud technology

Reduces total cost of
ownership

Cloud
Printing Solutions

Cloud Based Labelling **Application** Strategy

Key benefits recognised by IT & Business Critical Application Leaders

Be up and running in minutes with minimal IT resources

Simply design labels in an intuitive environment

Configure labeling applications that guide your users

Integrate labeling with your business systems

Securely store and manage labels and data in the cloud

Easily scale printing across your business
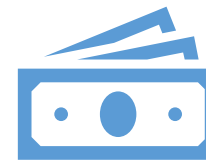
Pay on subscription and lower your TCO

Benefit from partner services & support

NiceLabel Cloud

Cloud Printing Solutions

Best practice software that supports all Users in any Location

NiceLabel Cloud

Administrators
- ✓ **IT, System…**
- Head Office
- Home Office
- Factory
- Warehouse

Designers
- ✓ **IT, Marketing, Regulatory Affairs, Print Room…**
- Head Office
- Home Office
- Factory
- Warehouse

Approvers
- ✓ **IT, QA, Marketing, Regulatory Affairs, Customers…**
- Head Office
- Home Office
- Customers

Print Operators
- Factory
- Warehouse
- Store
- Customers / Partners / Suppliers

Customers / Partners / Suppliers
- Design, Approve, Print in any location

Support: Software/Hardware Service Provider
- Design, Print, Support in any location

Offices

Factories

Warehouses

Home Offices

Cloud Based Labelling

Stores

Internal users

External users

Software/Hardware Service Provider

Customers / Partners / Suppliers

Cloud Printing Solutions

Best Practice Label Management System (LMS) Modules

NiceLabel Cloud

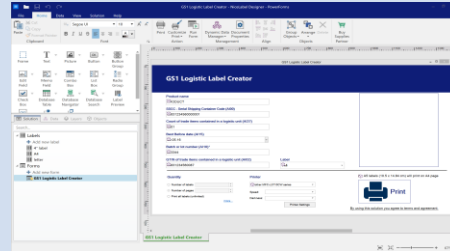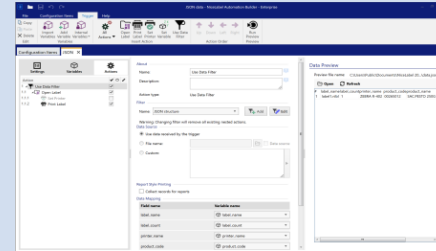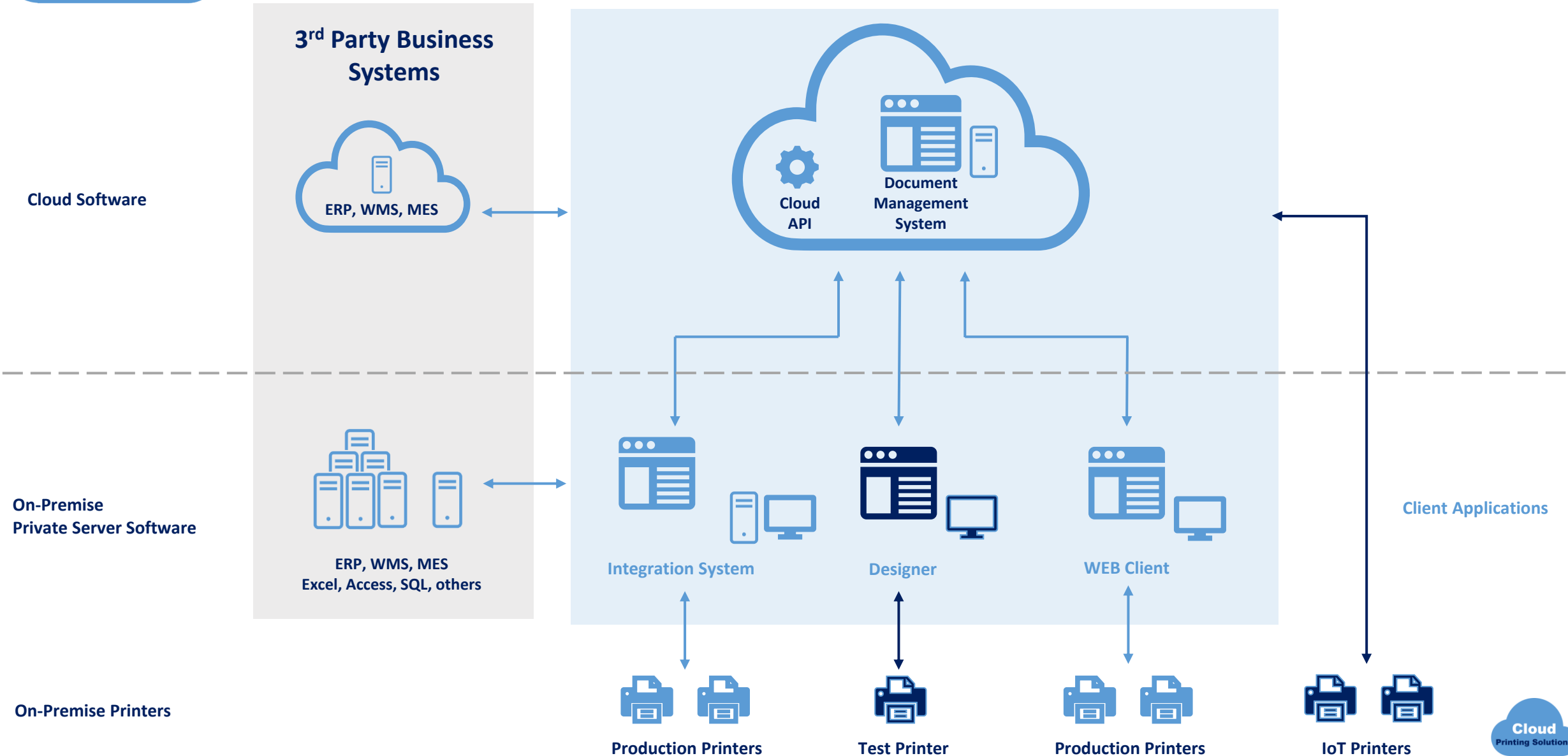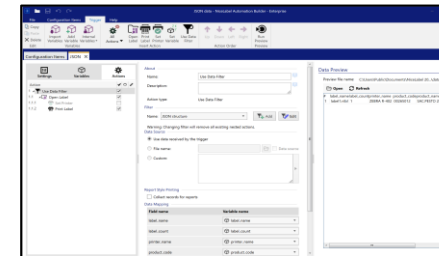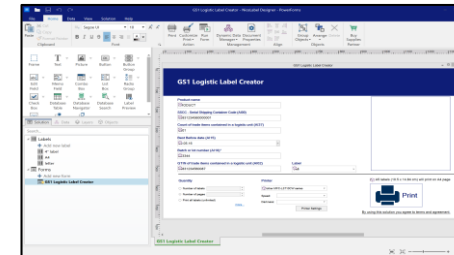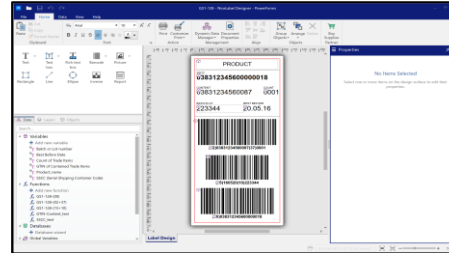| Document Management System (DMS)	Template Designer	Manual-On Demand Printing Application Builder	Integration System Application Builder	Web Printing System
Manage and control users, templates, approvals, versions, printers, system history & analytics from any browser, anywhere Comply with ISO9001, FDA CFR 21 Part 11 and other quality management systems	Design simple, complex or industry compliance templates for any type of manufacturing and supply chain printer or printing application.	Create custom printing and data management solutions to improve operator accuracy and efficiency	Create automated printing and data management solutions. Integrate printing directly from ERP/MES/WMS and many other business critical systems.	Deploy standard or custom printing and data management solutions via the web printing client in just a few clicks. Extend printing solutions to customers, partners and suppliers.
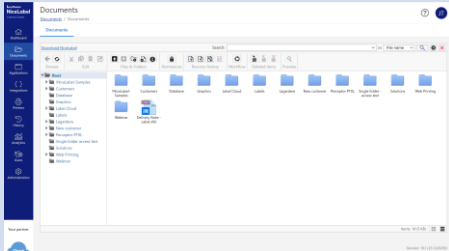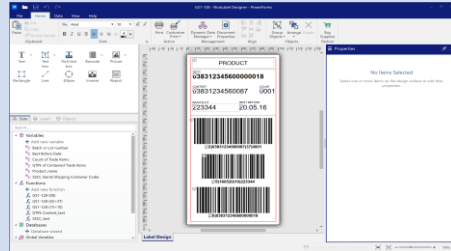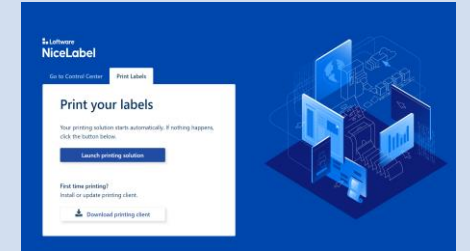
Cloud Printing Solutions

Best practice software architecture that's supports any size business or system

NiceLabel Cloud

Cloud Software

3rd Party Business Systems

ERP, WMS, MES

Cloud API

Document Management System

On-Premise Private Server Software

ERP, WMS, MES
Excel, Access, SQL, others

Integration System

Designer

WEB Client

Client Applications

On-Premise Printers

Production Printers

Test Printer

Production Printers

IoT Printers

Cloud Printing Solutions

Label Management System (LMS) workflow

1. Design – any type of Templates

2. Integrate

Integrate templates with business data & manual or integrated printing solutions

4. Print

Manual Print via cloud based form solutions

Automatically Print Via on-premise or cloud based systems.
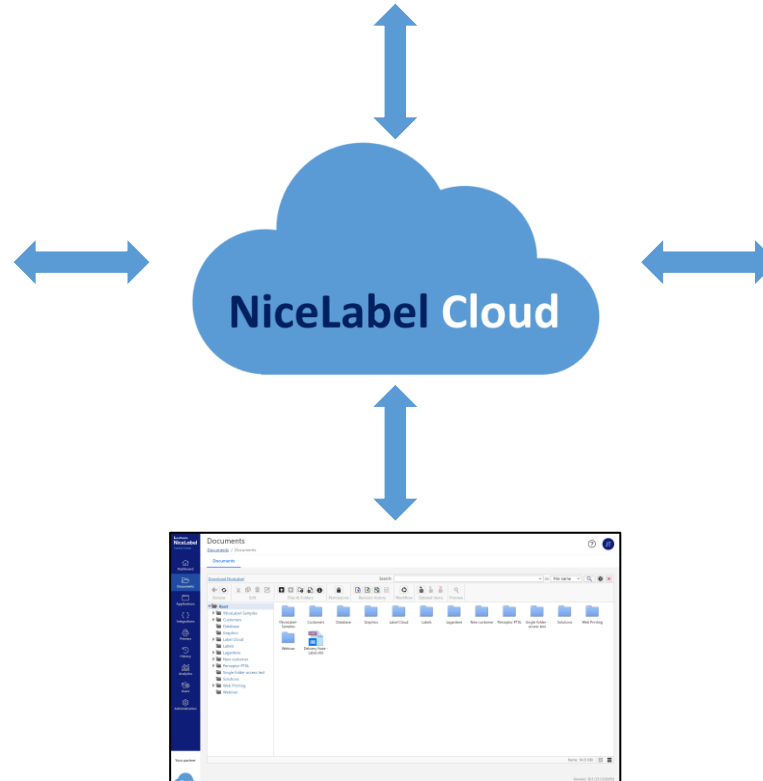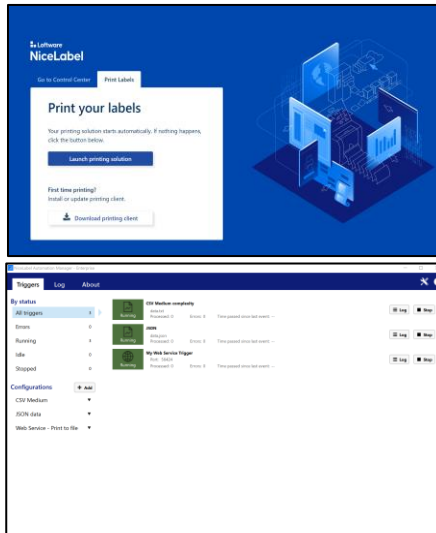
NiceLabel Cloud

3. Manage – Users, Printers, Approve and deploy Templates & Printing Solutions

Print

NiceLabel Cloud

Typical Use case Scenarios

Cloud Printing Solutions Ltd
T: 0161 818 6446
W: cloudprintingsolutionsltd.com

NiceLabel Cloud

Cloud
Printing Solutions

NiceLabel Cloud

Manual printing

A manual printing solution is where the operator opens and uses the labelling software (printing form) to select and print labels/tags/tickets/documents……..
The printing form is deployed via the internet or intranet and accessed by a Web Printing Client

Integrated printing

An integrated (or automated) printing solution is where the operator executes a printing request from within an existing business system. The business system creates a trigger (such as a csv/xml/json file, database change, HTTP/Web Service call, Cloud API) and the printing software solution responds to the trigger to merge data with the required template and automatically/instantly prints to the required printer.

Cloud Printing Solutions

Manual – On demand Printing

NiceLabel Cloud

Automatically generated printing form

Improves operator accuracy and efficiency

- Simple printing form automatically generated

- No coding or development required

Best Practice Manual – On demand Printing & Data Management

NiceLabel Cloud

Application builder for Printing & Data Management solutions

Configure custom **Printing & Data Management** solutions to improve operator accuracy and efficiency

- Customisation without coding
- Simplify the processes for nonskilled workers
- Streamline complex processes

Cloud Printing Solutions
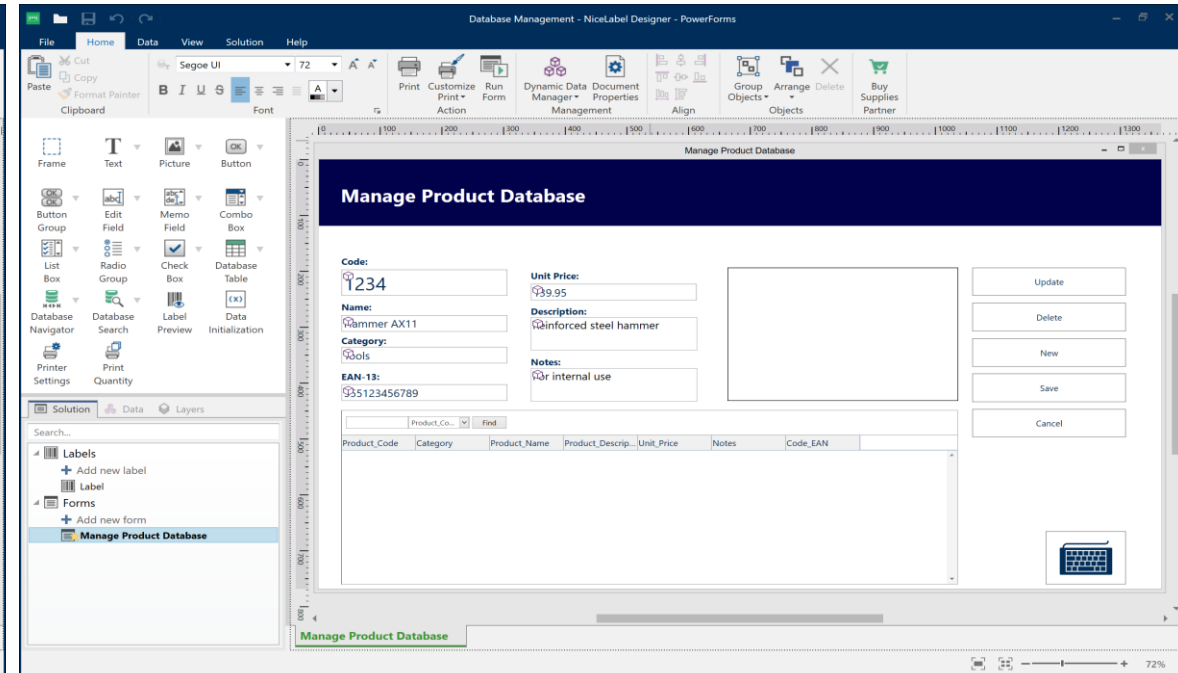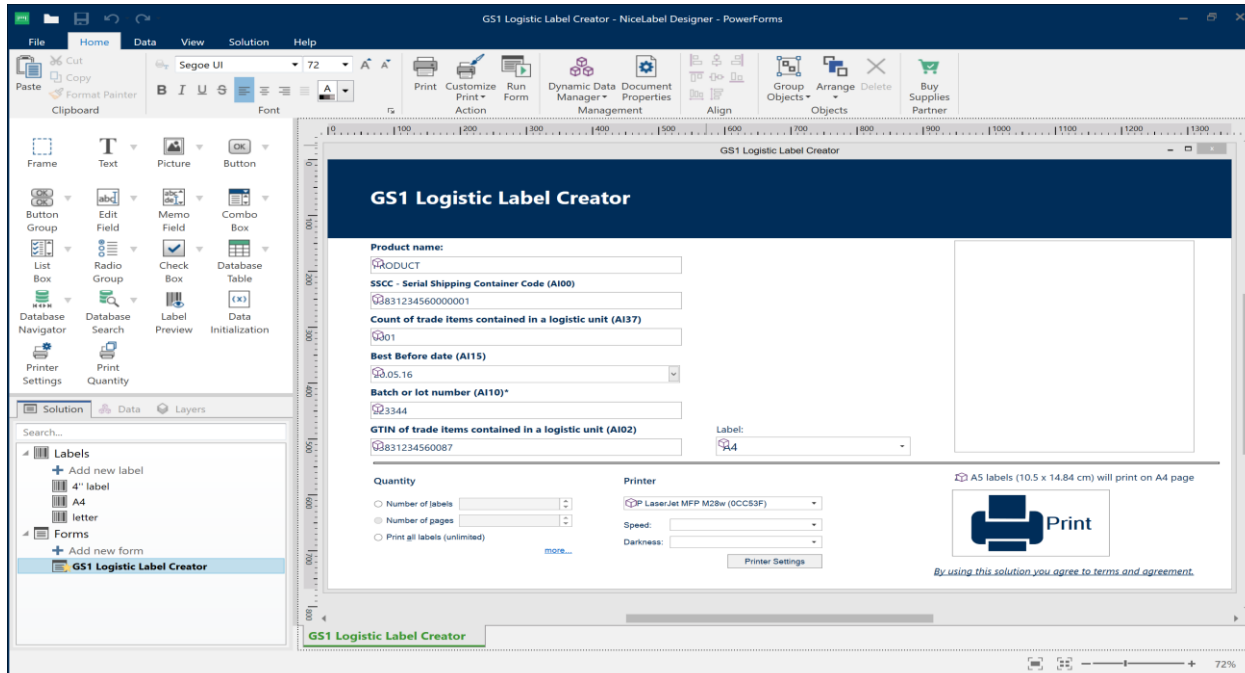
Typical single site, multi-user use case scenario for web printing

NiceLabel Cloud
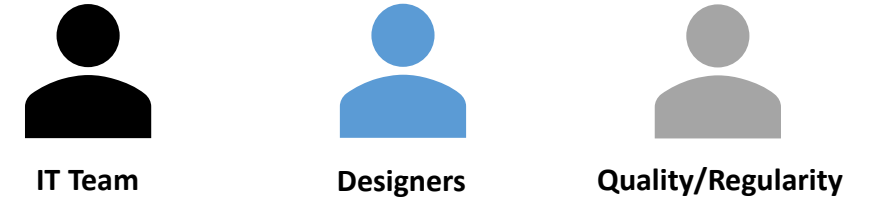
On-Demand Manual Printing

A single site business with multiple users
- Template designer
- IT Team
- Quality Manager
- Print Operators

uses NiceLabel Cloud at the Head Office or from any Remote location to centrally;
- Design, Manage and Deploy labels and printing solutions to multiple factory/warehouse print operators
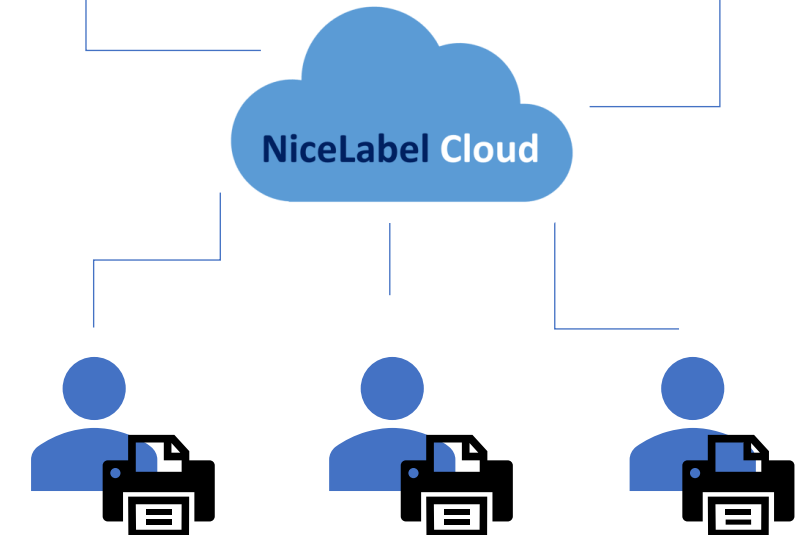
Desktop/Panel PC   **WiFi Windows Tablets**

Label, Tag, Ticket, Document, Direct Marking, CIJ, TTO printers

Office / Factory / Home Based

IT Team   **Designers**   **Quality/Regularity**

NiceLabel Cloud

Factory / Warehouse Based
Print Operators / Workstations

Cloud
Printing Solutions

Typical multi-site use case scenario for web printing

NiceLabel Cloud

On-Demand Manual Printing

A national business with remote operations such as;

- Production Sites
- Distribution Centers
- Depots/Stores
- Remote Workers (Service/Maintenance Engineers etc….)
- Global Business Partners / Suppliers

uses NiceLabel Cloud at the Head Office or from any Remote location to centrally;

- Design, Manage and Deploy labels and printing solutions to remote operators and business partners/suppliers
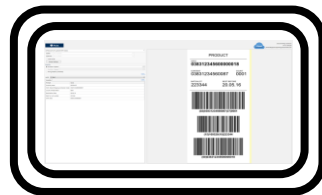
to support Local, National or Global printing
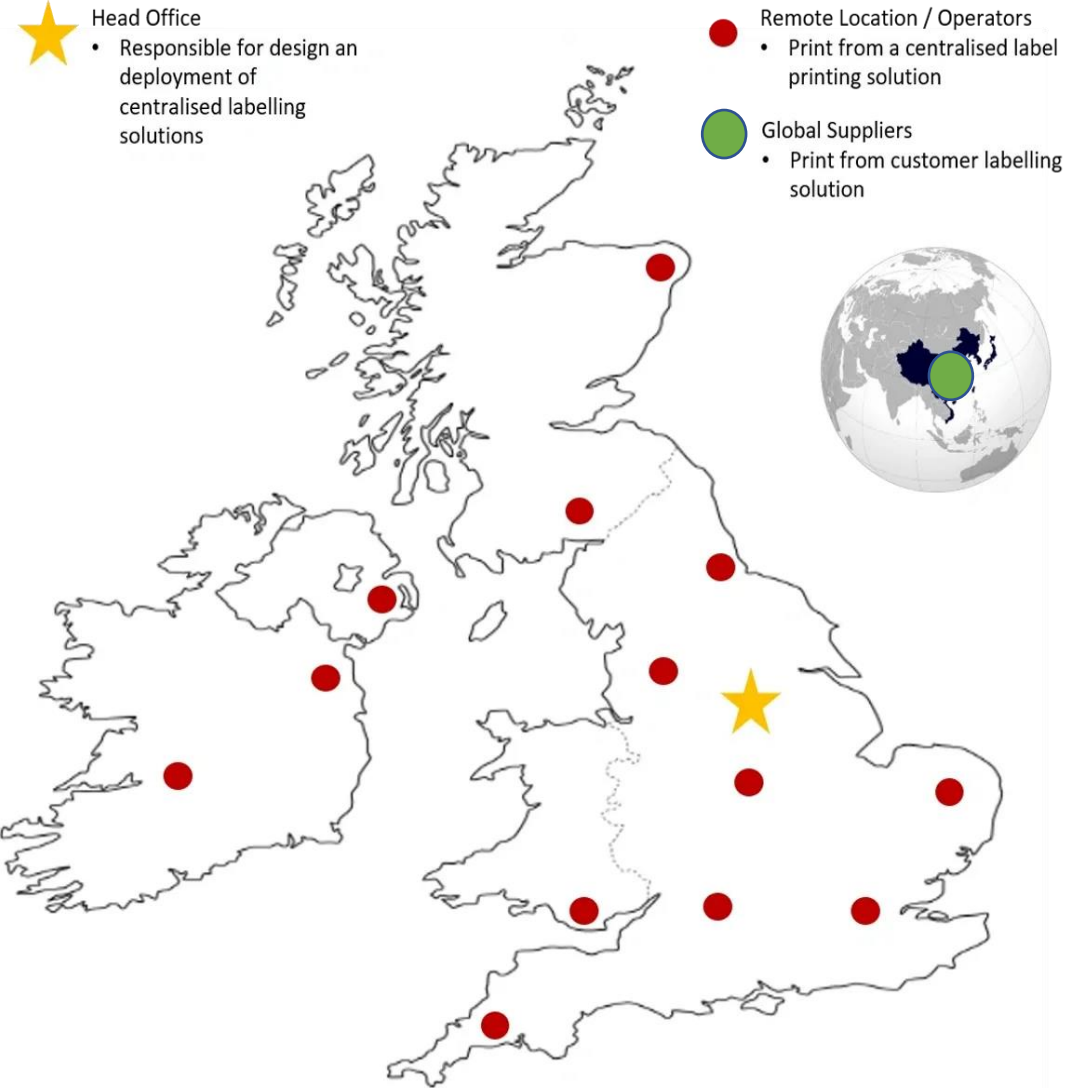
On Premise Desktop/Panel PC

Field Service 4/5G Windows Tablets

Label, Tag, Ticket, Document, Direct Marking, CIJ, TTO printers

Mobile Label, Receipt, Document printers

Head Office
- Responsible for design an deployment of centralised labelling solutions

Remote Location / Operators
- Print from a centralised label printing solution

Global Suppliers
- Print from customer labelling solution

Cloud Printing Solutions

Integrated Printing & Data Management

NiceLabel Cloud

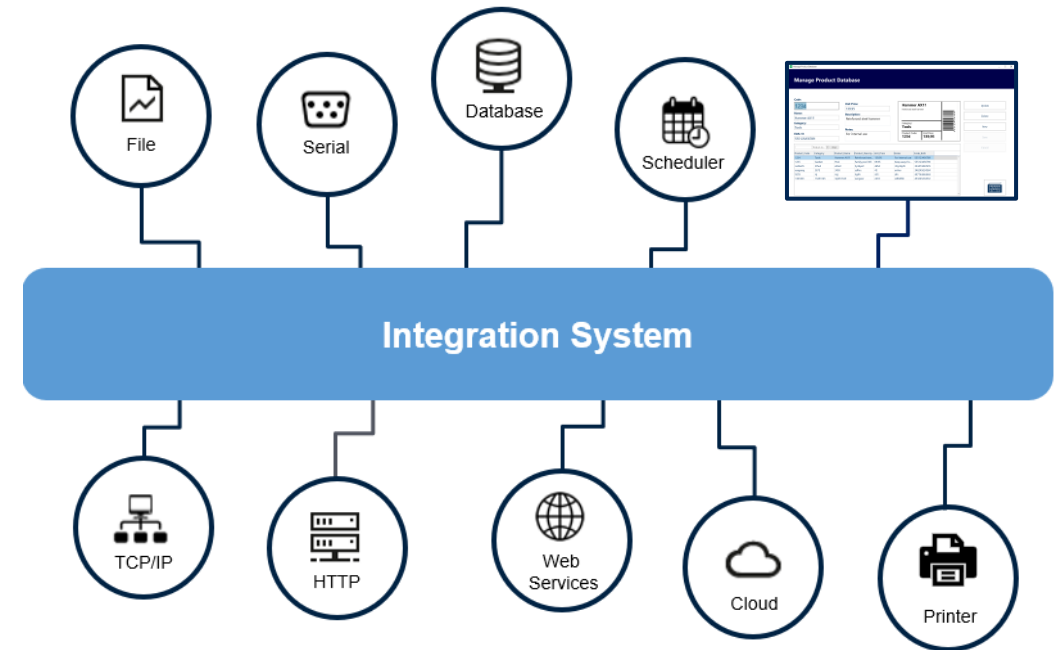## Application builder for integrating printing and data management solutions with master data systems

Configure integrated solutions to improve end-to-end operational efficiency

Typical Integrated Printing use case scenario

NiceLabel Cloud

Integrate templates with business systems to support Local, National or Global printing of;

- Product Labels
- Case / Cartons Labels
- Pallet Labels
- Returns Labels
- Shipping Labels
- more..........

Integration System

Document / Solution Management

Approved Template

QMS Process

Process triggered by business system

File Drop — csv, xml, json

Database — Microsoft SQL Server

ERP

Cloud API

Business Systems / Triggers

Fragrance: The Honey Bee
Description: Handcrown
Product Code: JDHC1BB
EAN Code:

Cloud Printing Solutions
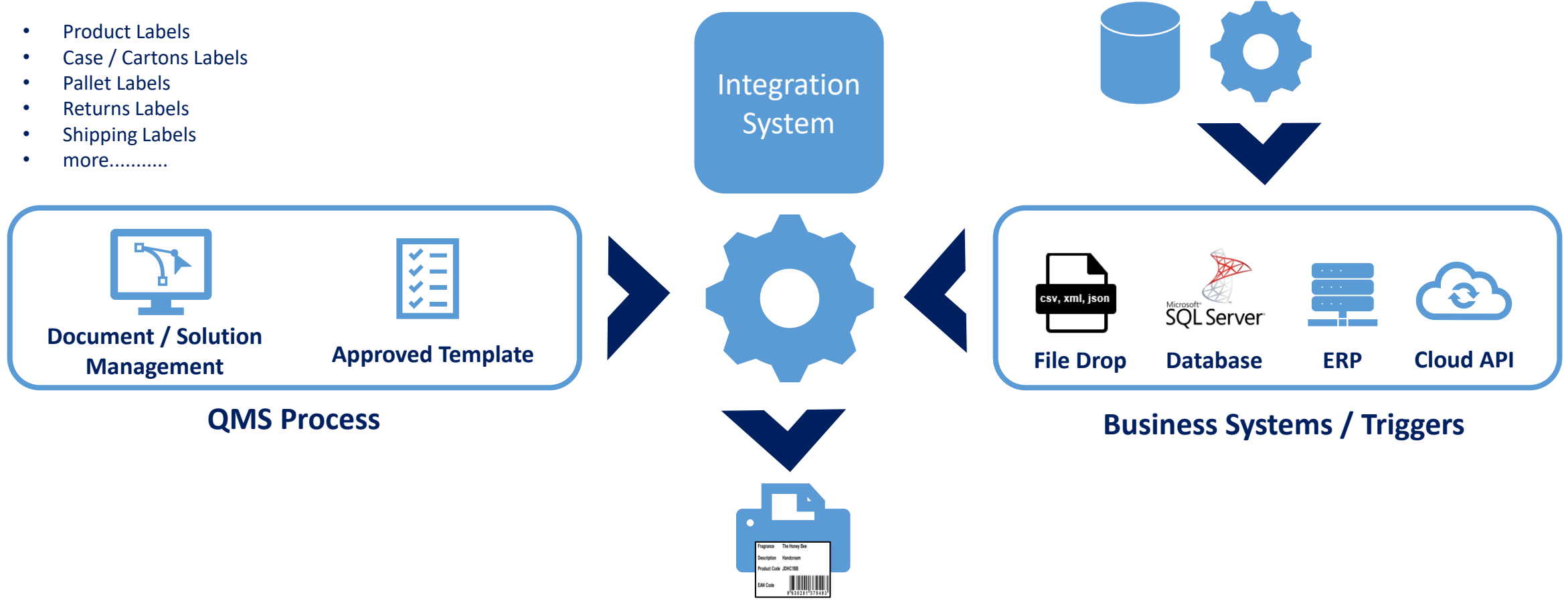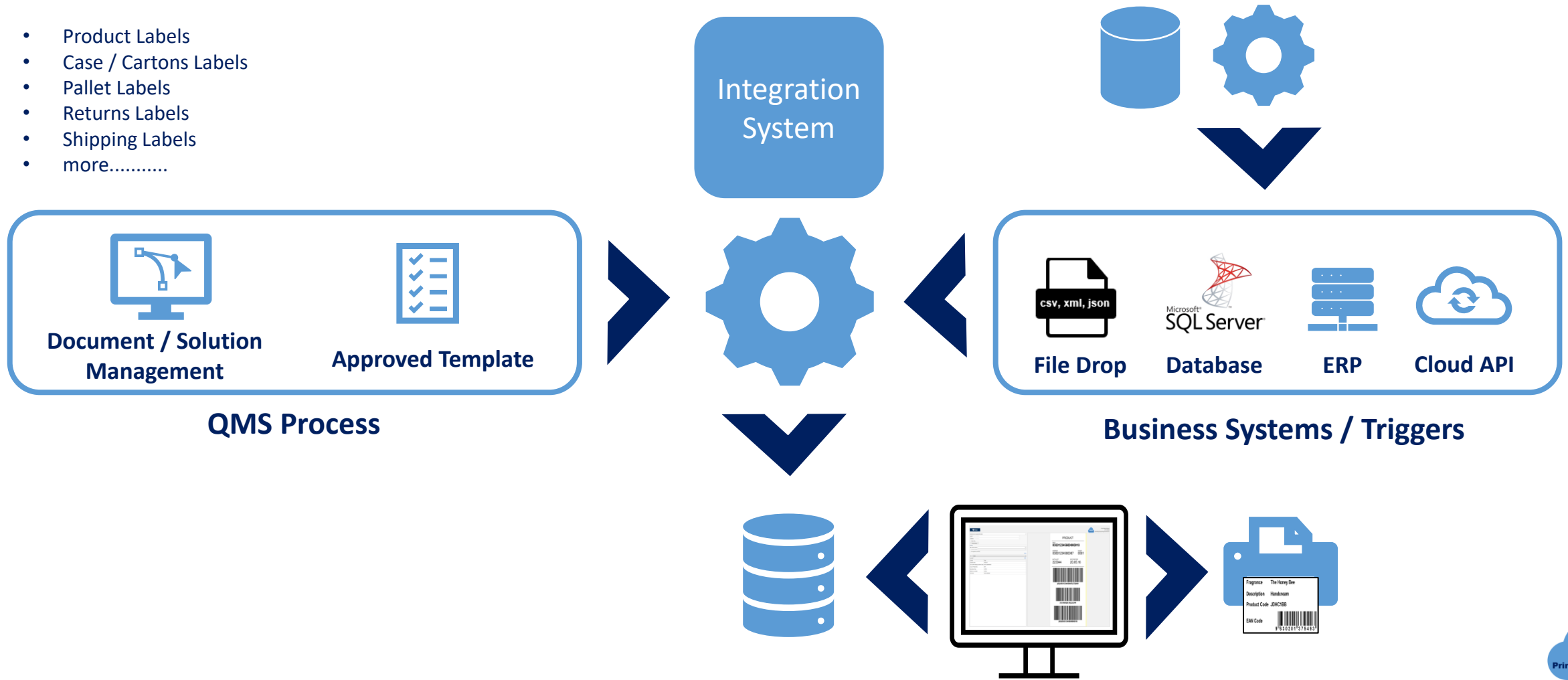
NiceLabel Cloud

Typical Integrated Data Management and Manual Printing use case scenario

Integrate templates with business systems to support Local, National or Global printing of;

- Product Labels
- Case / Cartons Labels
- Pallet Labels
- Returns Labels
- Shipping Labels
- more...........

Process triggered by business system

Integration System

Document / Solution Management

Approved Template

QMS Process

csv, xml, json

Microsoft SQL Server

File Drop   **Database**   **ERP**   **Cloud API**

Business Systems / Triggers

Cloud Printing Solutions
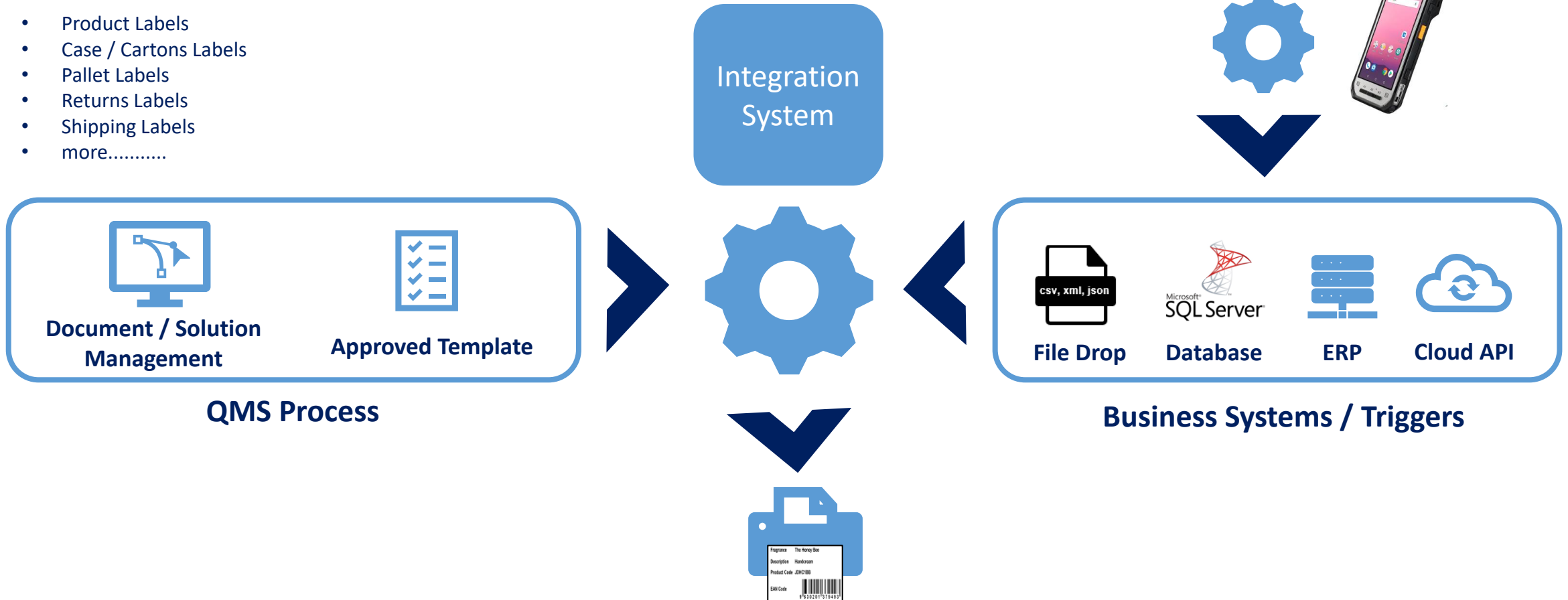
NiceLabel Cloud

Typical Integrated Printing from custom Mobile Android APP

Integrate templates with business systems to support Local, National or Global printing of;

- Product Labels
- Case / Cartons Labels
- Pallet Labels
- Returns Labels
- Shipping Labels
- more...........

Process triggered by Android APP

Integration System

Document / Solution Management

Approved Template

QMS Process

csv, xml, json

Microsoft **SQL Server**

File Drop   **Database**   **ERP**   **Cloud API**

Business Systems / Triggers

Fragrance   The Honey Bee
Description   Handcream
Product Code JDHC1BB
EAN Code

Cloud Printing Solutions

Print

Label, Tag, Ticket & Document Printers

Cloud Printing Solutions Ltd
T: 0161 818 6446
W: cloudprintingsolutionsltd.com

Cloud
Printing Solutions

Printers by type from

brother **EPSON** **TSC** **PRINTRONIX AUTO ID** **DOMINO** **ZEBRA**
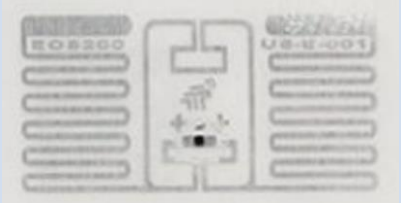
Desktop Printers	Midrange Desktop Printers	Performance Desktop Printers	Mobile Printers	Print & Apply Printers	Colour Printers	Document Printers
Brother, TSC Printronix, Zebra	Brother, TSC Printronix, Zebra	Brother, TSC Printronix, Zebra	Brother, TSC Printronix, Zebra	Domino, Zebra	Epson	Brother
Typical Spec 2 & 4" wide 203/300dpi USB/Ethernet DT/TT 5" OD Media roll 100m ribbons	**Typical Spec** 4 & 6" wide 203/300/600 dpi USB/Ethernet/BT/WiFi DT/TT 8" OD Media roll 300/450m ribbons	**Typical Spec** 4, 6 & 8" wide 203/300/600 dpi USB/Ethernet/BT/WiFi DT/TT 8" OD Media roll 300/450/600m ribbons	**Typical Spec** 2, 3 & 4" wide 203 dpi Bluetooth/WiFi DT Label/Receipt 2" media roll	**Typical Spec** 4 & 6" wide 300dpi Ethernet/WiFi DT/TT 8" media roll 450/600m ribbons	**Typical Spec** 4, 6 & 8" wide 1200/2400dpi USB/Ethernet/WiFi 8" media roll 4 colour ink cartridges	**Typical Spec** A4 / A3 30+ Page Per Minute
Application Options: Linerless	**Application Options:** Linerless RFID	**Application Options:** Linerless RFID Print & Apply	**Application Options:** Linerless	**Application Options:** Linerless RFID	**Application Options:** Print & Apply	**Application Options:** Additional cassettes

Cloud Printing Solutions

Printers by solution

Post/Parcel	Pick/Pack Workstations	High Performance	Barcode Compliance	Driverless / IoT
Entry level/lower cost direct thermal label printers used by companies to label items that need to be shipped by post/parcel carriers.	Entry to Mid Level performance and costs for companies requiring a higher performance printer and options to support a wide variety of applications.	Mid to high performance and costs for companies who need a printer capable of high volume, fast through puts or wider formats.	High performance printer with built in barcode scanning to validate barcode print quality to meet customer or industry compliance standards.	Desktop/Mid-range/High Performance & Mobile printers for all applications requiring driverless printer support for cloud based applications.
Current trend: Linerless is fast becoming a key requirement to improve performance, reduce costs and environmental impact. Label backing media is costly to produce and can not be recycled resulting in waste management costs to incinerate or dump in land fills.	**Current trend:** Using multiple printers to support companies having to change label media frequently for different applications. Printers with clam shell design for media access allows for multiple printers to be placed side by side.	**Current trend:** Distribute print volumes to lower cost mid range printers where multiple media changes per workstation frequently occur resulting in increased performance.	**Current trend:** Still a pre-requisite for most compliance industries such as Medical Device Manufacturers, Pharmaceutical, or for customer compliance demands or companies with high value goods.	**Current trend:** IoT printers are fast becoming the preferred means of printing to devices on the internet removing the need to install printer drivers on local servers or computers.

Cloud Printing Solutions

Printers by solution

Mobile Printing	RFID	Print & Apply	Colour Printing	Document Printing
Entry level receipt or wide format labelling solutions with typical Bluetooth or WiFi connectivity	Entry to Mid Level performance and costs for companies requiring integrated item, case or pallet level tracking	High performance print & apply labels for item, case, carton or pallet applications.	Mid to high performance and print quality printing of Matt or Gloss finished labels.	Desktop or mobile document printers.
Current trend: Linerless is fast becoming a key requirement to improve performance, reduce costs and environmental impact. Label backing media is costly to produce and can not be recycled resulting in waste management costs to incinerate or dump in land fills.	**Current trend:** Close loop use of RFID still remains the most used and successful method of RFID deployments.	**Current trend:** Due to continued labour shortages, automation is being considered to replace labour intensive packing and labelling applications where consistent volumes of labelling occur.	**Current trend:** Being used to replace high cost and often wasteful pre-printed colour labels with on-demand colour labels when required, or to improve company branding on retail products previously printed with black and white labels.	**Current trend:** Combine Document & Label printing applications such as post/parcel, pick/pack or mobile asset management applications where dual printing co-exists.

Scan

Fixed Position Cordless Wearable

Cloud Printing Solutions Ltd
T: 0161 818 6446
W: cloudprintingsolutionsltd.com

Cloud
Printing Solutions

Scanners by type from

DATALOGIC **Panasonic** **PROGLOVE** **ZEBRA**

| Hand Held	Cordless	Fixed Position	Wearable	Mobile Computer
Datalogic, Zebra	**Datalogic, Zebra**	**Datalogic, Zebra**	**ProGlove, Zebra**	**Panasonic, Zebra**
Traditional handled scanner connected by USB or Serial cable to a host computer.	Cordless scanner connected by Bluetooth to a base station that is connected by USB to a computer.	Fixed Position scanners are typically connected to a control box that is integrated with an automated print and apply printer or conveyor solution.	Modern way to deploy barcode scanning solutions to users who need to retain full use of both hands without having pick up/set down the scanner.	Mobile computers with an integrated barcode scanner used as part of a mobile data capture application
Current trend: Migration from 1D laser scanners to 2D image scanners. Migration to cordless or wearable scanners.	**Current trend:** Migration to wearable scanners to avoid pick up/set down of cordless scanners that may also result in damage or lost items.	**Current trend:** Integration of usually stand alone line side fixed scanners into print and apply verification solutions.	**Current trend:** Significant productivity improvements for users who need instant use of scanning equipment without the need and wasted time to locate, pick up, scan, set down the scanner.	**Current trend:** Combine wearable scanner and arm band for the mobile computer to provide a full wearable solution to improve operator accuracy and efficiency and reduce service cost or losses for legacy hand held computers

ProGlove Wearable Scanner Solutions

Leo	Mark Basic	Mark 2	Mark Display	Insight
• 1D and 2D barcode scanner (range: **10-70 cm**) • Battery life for up to **4,000** scans* • 35 grams	**Mark Basic Standard** • Standard range 1D and 2D barcode scanner (**10-90 cm**) • Battery life for up to **7,000** scans* • 40 grams **Mark Basic Mid Range** • Mid range 1D and 2D barcode scanner (**30-150 cm**) • Battery life for up to **7,000** scans* • 40 grams	**Mark 2 Basic** • Standard range 1D and 2D barcode scanner (**10-90 cm**) • Battery life for up to **12,000** scans* • 40 grams **Mark Basic Mid Range** • Mid range 1D and 2D barcode scanner (**30-150 cm**) • Battery life for up to **12,000** scans* • 40 grams	**Mark Display Standard** • Standard range 1D and 2D barcode scanner (**10-90 cm**) • 1,54" e-paper display (high contrast, non-reflective) • Battery life for up to **7,500** scans* • 48 grams **Mark Display Mid Range** • Standard range 1D and 2D barcode scanner (10-90 cm) • 1,54" e-paper display (high contrast, non-reflective) • Battery life for up to 7,500 scans* • 48 grams	**Device Management & Visibility** Insight Device Visibility provides a unified interface to implement and maintain all the system critical elements for the best performing wearable barcode system. **API-First** Benefit from our API-first approach and push all ProGlove device data directly into your running mobile device management system or other business applications.

ProGlove Insight – Cloud Based Management
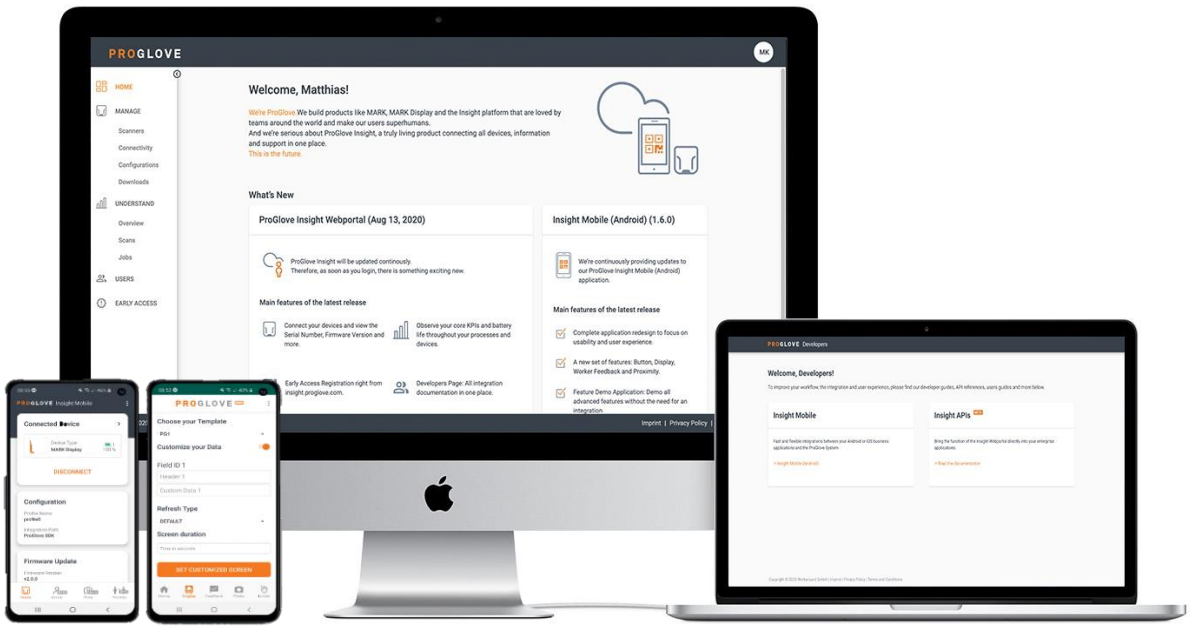
CONNECTIVITY FIT
With our Hardware and Software options

SHOP FLOOR ACCESS
With Insight Mobile and Gateway solutions

PLUG & PLAY VISUALISATION
by using the Insight Webportal

ENTERPRISE INTEGRATION
Stream Data or use REST APIs

Cloud
Printing Solutions

ProGlove Insight

Optimised Device Setup

Full control over your Device Lifecycle Management.

- Enhance processes by improving scanning performance with enhanced device settings

- Download center for Firmware, App and SDK

- Zero-touch roll out of configuration and firmware

Device Visibility

Essential window into Device Lifecycle Management

- Find all metadata in one place – serial no. battery information, configurations, etc.
- Identify active, idle or out of service devices
- Track current and historic connections to locate lost devices
- Observe site-wide activity from a single desktop

Process Analytics

Contextualized insights you can act on.

- Compare station performance and efforts across site and even across company
- Visualize sequential job activities easily
- Develop new metrics to analyze performance
- Run barcode-quality analyses to understand supplier printing issues

API-First

Consume all available data via APIs and combine them with your internal data sources - streamed or as REST API.

ERP   MDM   BI / Analytics

Cloud
Printing Solutions
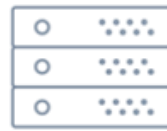
ProGlove Insight – Device Visibility

Dashboard

- Overview on critical device fleet parameter

- Observe inactive devices, firmware versions and others

Lists

- Scanner and Connectivity Device Lists

- Advanced filtering based on parameters of Layout structure.

- Identify outlier, configurations and battery performance early on.

Configuration Tool

- Configuration for all products

- Scanners, Connectivity Options, etc.

- Support for manual and zero-touch roll-out processes.

Panasonic TOUGHBOOK computers

Cloud Printing Solutions

N1 Flat Android 4.7" Hand Held	N1 Android 4.7" Hand Held	S1 Android 7" Tablet	A3 Android 10" Tablet	G2 Windows 10" Tablet
• Qualcomm® SDM660 Octa-Core Processor • Android™ 11 • 4.7" HD (1280 x 720) daylight-readable display with glove and rain mode • Optional passive and active pen for precise signatures • Up to 14 hours battery life with standard battery • Bluetooth™ Version 5.0 Class 1 • ARM® TrustZone® (Built-in) Security • MIL-STD 810H tested • 210cm Drop Resistance • IP68 rated • -20 °C to 50 °C operating temperature (tested by Panasonic)	• Qualcomm® SDM660-2 Processor • Android 11 • 4.7" Active Matrix (TFT) colour LCD 1280 x 720 (HD) LCD with sunlight-viewable glove-enabled capacitive touchscreen (minimum 500cd/m²) • Angled ergonomic barcode reader • Tested to MIL-STD 810G**, IP68*	• Qualcomm® SDM660 Octa-Core Processor • Android 10 / Supporting OS: Android 11, 12 • 7.0" WXGA(1280x800) with AR, IPS colour LCD (up to 500cd/m² brightness) • Gadget Port for flexibility • Up to 14 hours battery life with extended battery	• Qualcomm® SDM660 Octa-Core Processor • Android 9 / Supporting OS: Android 11, 12 • 10.1" WUXGA Outdoor Readable Display • Gadget Port for flexibility • Up to 9 hours battery life with standard battery	• Intel® Core™ i5-10310U vPro™ Processor • Windows 11 Pro / Windows 10 Downgrade Model available • 10.1" Active Matrix (TFT) colour LCD 1920 x 1200 (WUXGA) LCD with sunlight-viewable glove-enabled capacitive touchscreen (up to 1.000cd/m²), IP55 Digitiser • IP65 Water and dust resistant, tested by an independent third party lab following MIL-STD-810H and IEC 60529 • Long battery life of up to 12 hours

Panasonic TOUGHBOOK Omnia - Custom APP Development

The agile software development approach for cost-effective, customised mobility.

Cloud Printing Solutions

CONSULT · BUILD · DEPLOY · SUPPORT
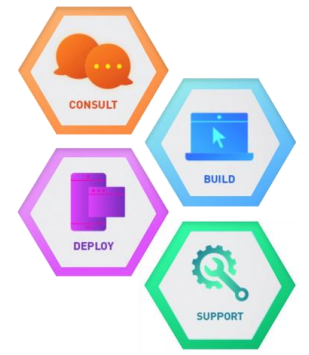
Agile Mobility. Simplified.

Managing software across multiple platforms and operating systems can be complex. Traditionally organisations manage a diverse range of mobile IT devices, form factors and operating systems, operating a very siloed approach. Ensuring everything is integrated and kept up to date across all hardware and software platforms can be costly and time-consuming.

TOUGHBOOK Omnia, is a cost-effective, end-to-end software solution approach from Panasonic, that can future-proof and greatly speed up custom application development and maintenance cycles for your mobile business operations. Through the use of the MCL Platform, development, testing and deployment of customised, line-of-business software applications is reduced to days or weeks rather than months – much faster than using a traditional software house or internal native development.

Through industry standard interfacing options, Omnia apps can synchronise with virtually any back-end systems including SAP, Oracle, BlueYonder (JDA) and many others. And as it's a bespoke solution, there are virtually no limitations on how TOUGHBOOK Omnia can work for your business.

Software Complexity, Simplified.

TOUGHBOOK Omnia, can open the door to immediate, visible productivity improvements across your mobile IT estate:

Custom apps built once; deployed to many form factors
Run on Android or Windows operating systems and multiple device types

Experience process efficiencies much sooner
Apps brought to market in weeks rather than months

Manage everything centrally and effortlessly
Let your operational teams manage users and systems from any location

Achieve visibility of costs
Thanks to a cloud-based, annual service subscription

Get more from your technology investment
Stay future-proofed for OS and hardware transition

Deploy new app updates and modifications faster and more easily
Using more agile, efficient and integrated processes

Cloud Printing Solutions

MCL Mobility Platform - Cloud Based Management

Panasonic ToughBook Mobile Application, Operator and Device management

Centralised Web Based Mobility System Management

Using MCL-Mobility Platform's central Cloud Console interface, site-administrators can perform various mobility devices, operator and application management tasks, such as easy 'out-of-the-box' installation and configuration of your mobile devices, device asset inventory, and re-assignment of equipment following device repairs.

It also allows for easy management and maintenance of your operator settings including the apps they need and language definitions.

Your mobility system management can be securely controlled, monitored and customized from anywhere in the world. MCL-Mobility Platform is multi-tenant solution in where each site or location of your enterprise has its own secured access and will have its own unique URL for easy and quick access. Account owners can manage access control at any level where site-managers can only login to their assigned part of the enterprise.

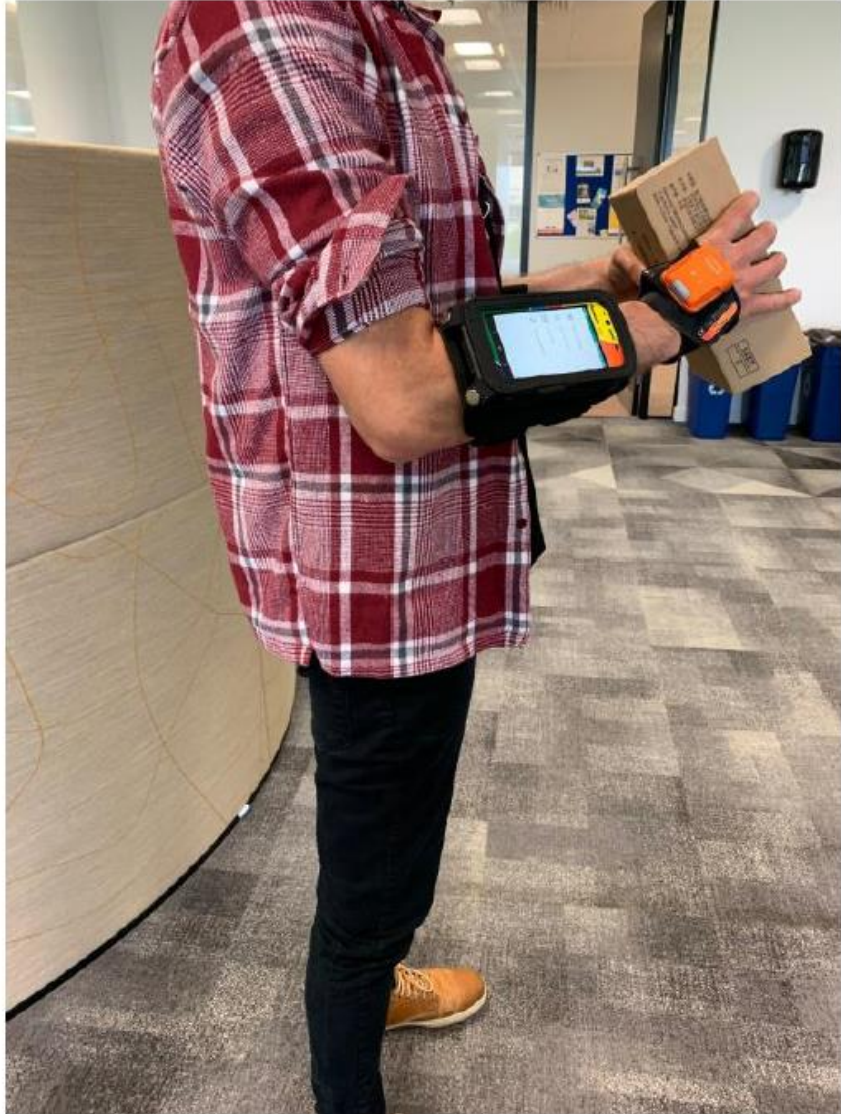**Typical Right Handed Operator**

- **Left Arm Computer**
- **Right hand Scanner**

And visa versa for Left Handed operators

Cloud
Printing Solutions

Flexible arm bands and gloves

Same Arm for both Computer and Scanner

Cloud
Printing Solutions

Panasonic TOUGHBOOK N1 Flat Computer & ProGlove Scanner benefits

✓ **Maintain hands free operation at all times**

➢ **No pick up, set down required**

✓ **Improve operator uptime, performance and KPI's**

➢ **Removes user workflow interferences**

✓ **Reduce device set-downs and drop damages**

➢ **Reduces physical device impacts and break/fix costs**

✓ **Reduce device losses**

➢ **Removes risk of misplaced/lost devices in shipped items**

Cloud
Printing Solutions

Call for pricing, demonstrations, trials

Cloud Printing Solutions Ltd
T: 0161 818 6446
W: cloudprintingsolutionsltd.com

Cloud
Printing Solutions