iMonitor

11 features that will save you time and costs while ensuring ongoing compliance, with iMonitor's smart manufacturing software

iMonitor Manufacturing Software

iMonitor's manufacturing software is the intelligent operating system for your production floor, digitising all quality monitoring and production management processes end to end, from delivery of raw ingredients to dispatch of the final product. As a food or pharmaceutical manufacturer, you can increase operational efficiency, gain real-time operational insights, and get full visibility of your business's quality, safety, and compliance status.

The missing link in quality and production management

Many food and pharmaceutical manufacturers still rely on paper-based checklists and manual recording as part of their quality and production management on the production floor. iMonitor's smart manufacturing software closes this gap by digitising all quality checks and production management processes and creating smart workflows. This enables manufacturers to fully digitise their product and operator task management, achieving full traceability of products, processes, and other traceable details, amongst others.

The iMonitor key features you need

1. End-to-end traceability	2. Digitised product management	3. Digital supplier database
4. Operator task management	5. Automated workflow management	6. Digital attachments
7. Audit-ready & customised reporting	8. Real-time production insights	9. Digital staff training
10. User-friendly dashboard	11. Integrates with other software and smart devices	

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End-to-end traceability of products, ingredients, and traceable details

By assigning a batch number for each process or product, iMonitor's smart manufacturing software provides digitised traceability of products, their sensitive ingredients, and traceable details, such as date of delivery, delivery temperatures and process CCP's, end to end.

iMonitor's flexible and easy to use search feature enables you to trace and narrow down on SKUs, processes, batches, ingredients, machinery, steps and data captured across anywhere in the application in seconds.

Comprehensive product database

iMonitor also allows for the creation of a comprehensive digital product database, including all product ingredients, product packaging and other traceable details.

Scan and print QR codes & barcodes

Reduce manual entries by simply scanning QR codes with a tablet device, prepopulating data that is stored in the code automatically. The QR code labels help streamline how ingredients and packaging are prepared and added during a batch.

QR codes for ingredient, equipment and batch labels can be printed for exact identification of intermediate and end products via a Bluetooth printer connected to the operator tablet that is used to capture data. You can customize the label information stored in the code, with the option to print multiple copies of labels with a unique QR code.

Digital asset management

You can attach the printed QR codes to your assets to easily identify, track and trace them in your facility.

2

Digitised product management

The digital product management feature helps you completely digitise your product development and manufacturing management. This allows for managing product differentiators such as gluten-free from the start, and for triggering processes based on these elements.

Product development

Create a SKU with manufacturing processes and easily generate multiple clones to digitise your product management. Break down a large batch that cannot be processed at once into smaller production runs called sub-batches as per GMP standards.

Digital bill of materials

Centrally store ingredients and packaging information for each product. Easily reference these while creating processes to capture

information used in the product recipe.

You can generate a digital bill of materials for the production run by creating digital recipes for each product, including all ingredients and their composition. Automatically distribute the bill of materials to each sub-batch when breaking up large production batches into small batches. iMonitor calculates the correct composition of ingredients for each production run automatically, generating picklists for each stage, and returning a yield calculation.

Allergen database

Within iMonitor, you can also create a comprehensive digital allergen database for all your products.

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Digital supplier database

iMonitor's supplier management feature allows you to connect digitally with your supply chain.

Management of non-conformances

IMonitor alerts the inward goods receival staff or supervisors automatically in case of any nonconformances. Document these non-conformances by uploading photos and comments as digital proof when returning the goods back to the supplier.

Centralised supplier database

Centralise all your suppliers and key contacts in one single database, providing easy autofill options for staff.

Digitised supplier checks

Capture all your deliveries quickly and accurately, making it easy to initiate corrective actions if goods arrive out of spec.

Digital supplier validation

iMonitor enables you to run digital audits on your product suppliers and manufacturers.

Supplier performance management

Real-time data enables you to analyse patterns and trends in the performance of all your suppliers over time.

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Operator task management

Eliminate paper-based recording tasks by digitising all compliance checks and processes on the production floor, such as critical control point (CCP), operational prerequisite programme (OPRP), prerequisite programme (PRP) and quality checks.

Easy-to-use system

Operators can simply tick off their customised checklists on the easy-to-use dashboard and record information using different field types. This frees busy staff for other important tasks.

Digital standard operating procedures

Give your operators instant access to standard operating procedures (SOPs) at each step of the manufacturing process, facilitating ongoing compliance and quality.

Operator guidance

iMonitor intelligently guides operators through the correct steps of the different processes based on pre-defined rules.

Suggest corrective actions

The system assists your operators by automatically suggesting pre-defined corrective actions.

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Automated workflow management

iMonitor automates your workflow management on the production floor by creating smart digital workflows.

Site process management

Setup and manage general processes for your manufacturing facility to capture data related to cleaning, equipment servicing, pest control, and more.

Digital task scheduling

The software provides real-time guidance to staff via scheduled tasks and prompt them at the right time. Create roles and departments to manage who is responsible to complete tasks.

Automated notifications and alerts

Automated notifications remind staff of upcoming and outstanding tasks, making sure that safety and quality standards are constantly met and proactively managed.

Define individual temperature or other threshold limits. The system sets off instant alarms to operators and their supervisors via SMS and email in case of critical deviations to enable immediate corrective actions.

Supervisor sign-off

Create unique signature capture steps for each process, product, or batch, ensuring control by a supervisor before the next process step is initiated.

Individualised access

Control who has access to your iMonitor platform by setting different administrator and operator roles.

Calculate time deviances

Control processes tightly by tracking the times each process step takes. The system alerts you when times cross pre-defined thresholds.

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Digital attachments

Easily upload attachments, such as documents, images and videos relevant to a product as reference for the production floor staff.

Digital standard operating procedures

Digitise all standard operating procedures (SOPs) and link them directly to your processes.

Digitised record keeping

The system enables you to digitise other documentation such as staff sickness, training or equipment maintenance records.

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Audit-ready and customisable reporting

The system enables you to generate audit-ready reports customised to the need of your organisation, e.g. by department, group of users or a specific standard.

Audit ready reports

iMonitor incorporates the concept of ISO 2200 and GMP and is compliant with FDA, European (ESMA), New Zealand and Australian food safety acts (FSANZ) as well as current industry standards such as GFSI. Constant updates to the most recent regulations facilitate ongoing compliance.

Analyse patterns and trends

Analyse trends and patterns of all your processes. Control all your safety and quality processes in real-time, across multiple sites. Drill down to site KPIs and identify issues that are causing non-compliance to resolve problems more easily. Have full control on all corrective actions divided into incident type categories. The collation of all incidents and investigations allow you to analyse and prioritise. Generate customised reports based on incident types, such as non-conformance of suppliers. You can also generate batch or process reports and certificate of conformances.

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Real-time production insights

iMonitor's platform provides you with real-time operational insights on the status of all safety and quality processes, corrective actions, and triggered alarms from anywhere and 24/7. Take decisions instantly when there is a red flag or non-conformance.

Batch status

The system can give real-time insight into the completion status of each single batch.

Time control

Monitor how much time is spent for the completion of each stage within your manufacturing process.

Monitor equipment uptime

Increase equipment uptime by utilising preventative plans and real-time monitoring.

Production planning

By linking iMonitor with your existing inventory management system, you can plan your production run based on customer requirements.

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Digital staff training

Provide in-app user engagement in form of guided tours for seamless user onboarding. Attach detailed training documents, webinars, training videos and personalised training sessions.

Individual training needs

You can define specific training requirements for each role. Have full control of the completion of relevant training needed for operating subsequent processes.

10

User-friendly dashboard

Access your iMonitor dashboard from any desktop, laptop, and tablet device, giving you full 24/7 visibility on all processes in real-time.

11

Supports integration with other software and smart devices

iMonitor can be integrated with your existing systems such as ERP and inventory management systems.

Production planning

iMonitor's platform can pull information from your existing inventory management system to schedule the production run and can push production information back into the inventory management system to facilitate inventory management.

Enhanced data integrity

Enhance data integrity within your organisation by connecting the datapoints of your different software systems.

Our partners

See the partners we integrate with below.

If you have any questions, you can refer to our monitoring platform's comprehensive help section, call us on **+64 (9) 274 7014** or send us an email to **sales@imonitor.net**