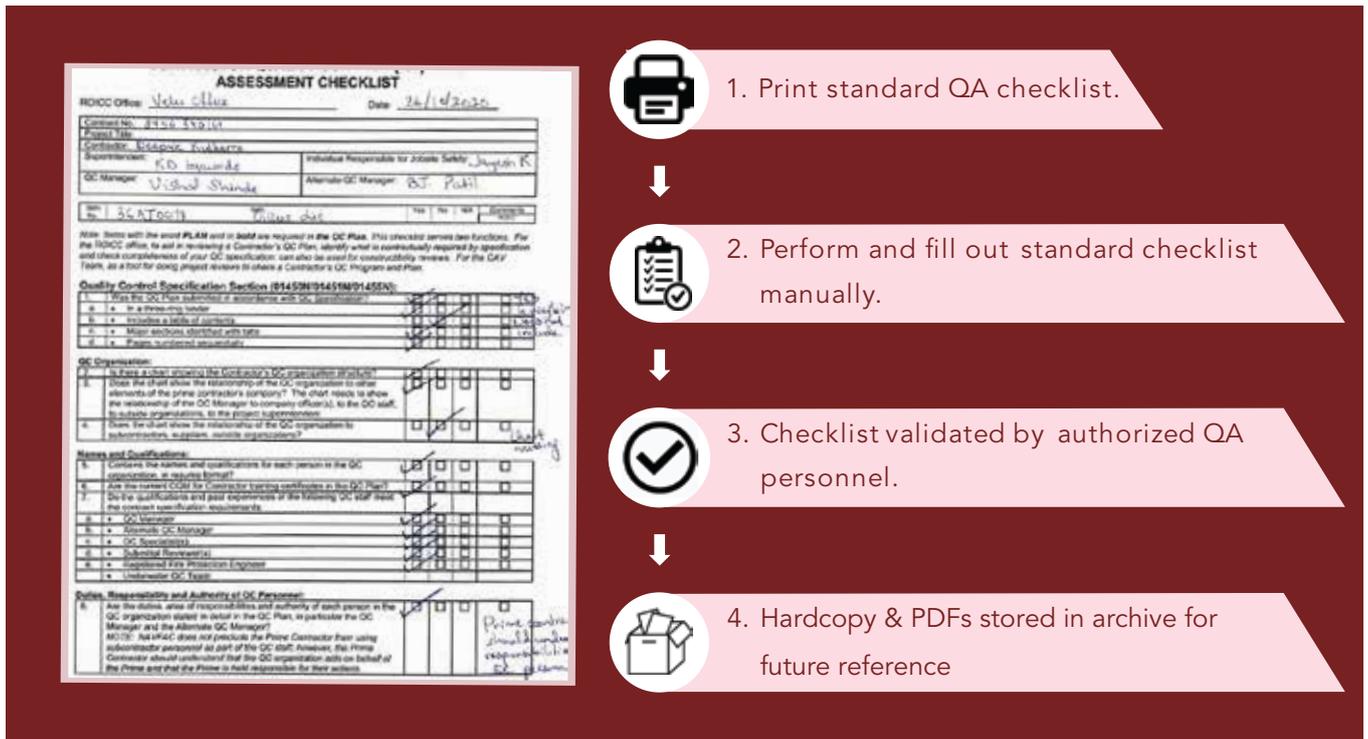




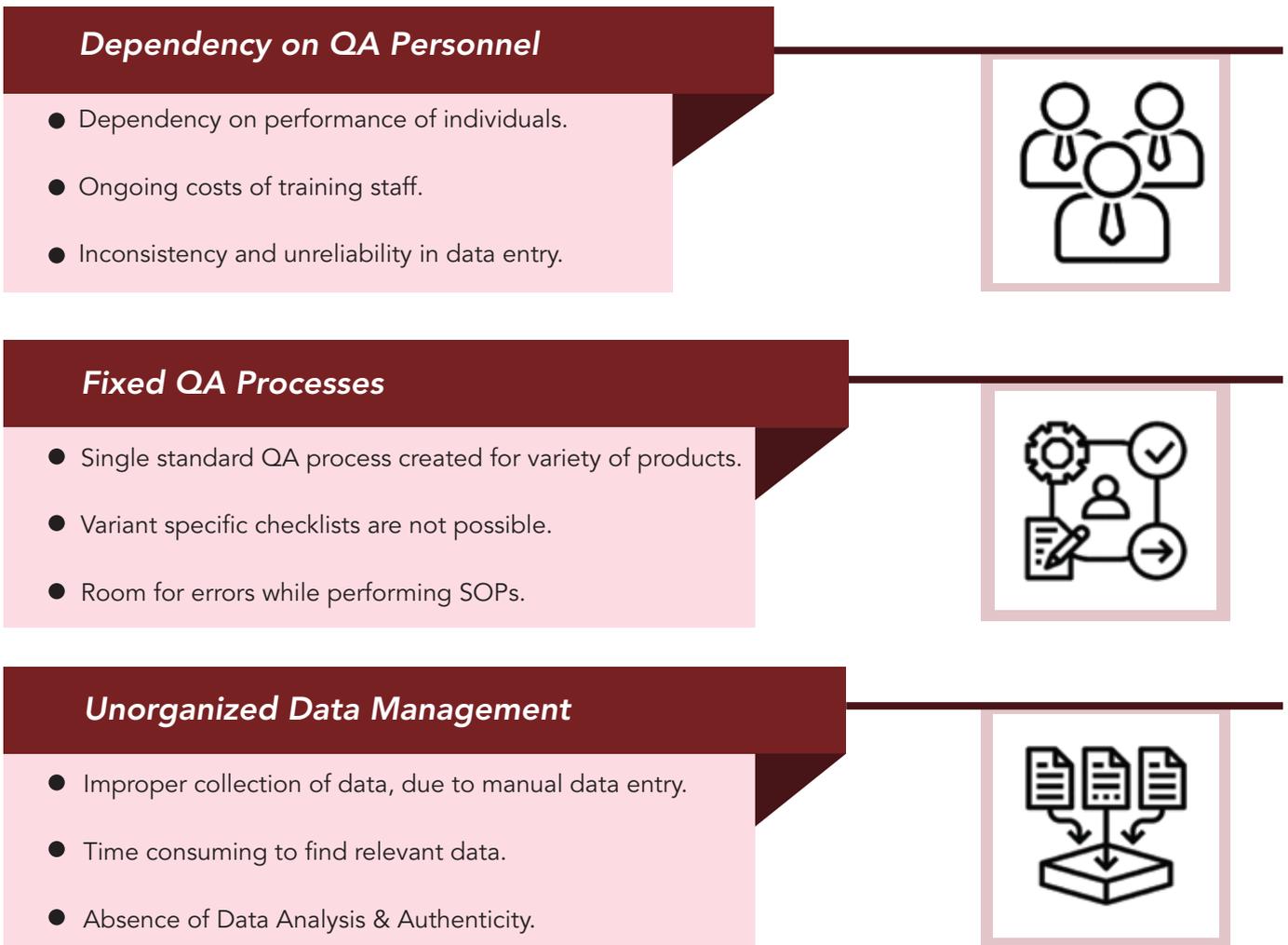
# ODIN ENSURE

CHECK | CAPTURE | TRACE

# Traditional Quality Assurance Process



## Drawbacks of Traditional QA Process



A complete Quality Assurance solution developed for the Manufacturing Industry.

### End-of-Line Inspection

ODIN Ensure's powerful end-of-line inspection capability ensure consistent product quality and avoids unintentional errors.

### Operator Guidance

Provides step-by-step work instructions to quality personnel enabling them to act quickly and take accurate decisions.



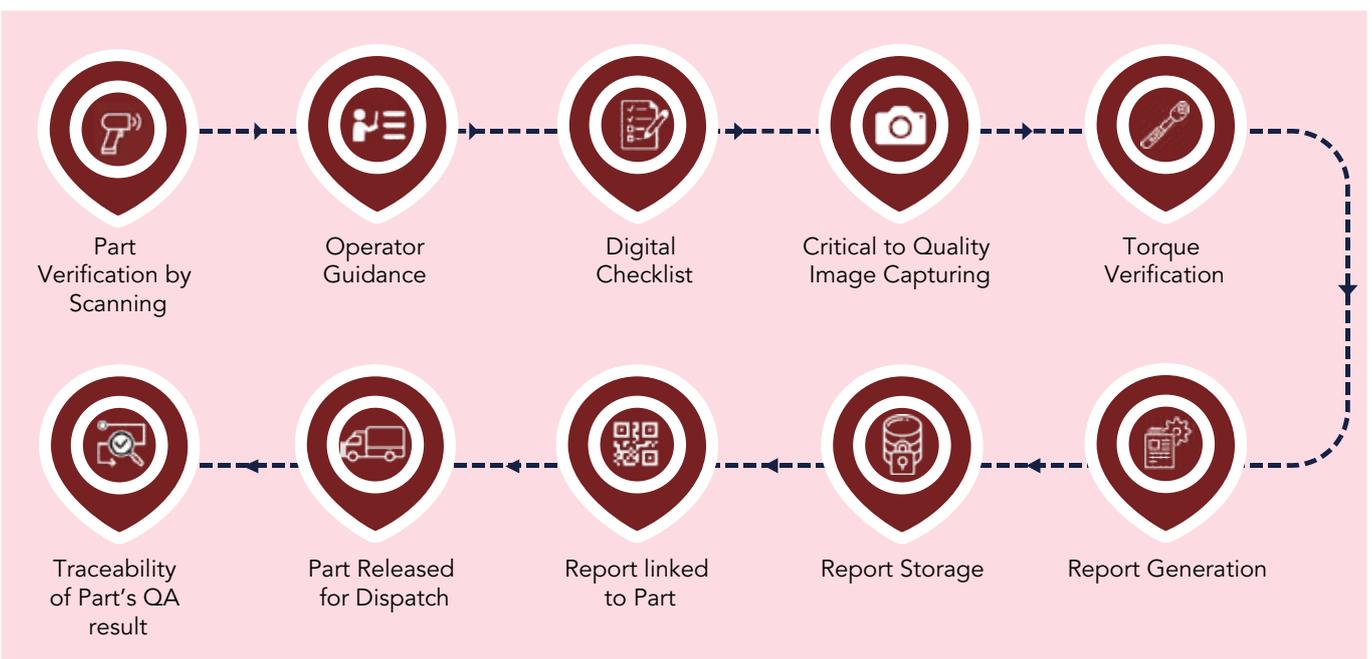
### Process Security

With ODIN Ensure, latest technologies are integrated into one system to ensure maximum fool proofing.

### Quality Report Management

Generates and stores comprehensive quality reports that improve transparency, traceability, and auditability.

A part of the ODIN Manufacturing Ecosystem, ODIN Ensure is a Quality Assurance solution built by Jendemark that helps companies achieve their goal of manufacturing & shipping products of the highest quality.



## Benefits



### Traceability

Ensure systematically keeps track of all the operations executed under a QA process.



### Process Security

Under Ensure, QA procedures cannot be skipped, bypassed or executed inaccurately.



### SecureData Storage

All data generated during a QA procedure is compiled, organized and securely stored on Ensure.

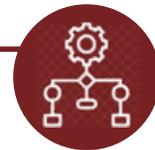
### Data Analysis

Ensure generates detailed reports of all QA processes, which can be used to predict trends in the product's quality.



### Dynamic QA Process

Instead of a standard QA procedure, QA for different products & their variants can be done differently.

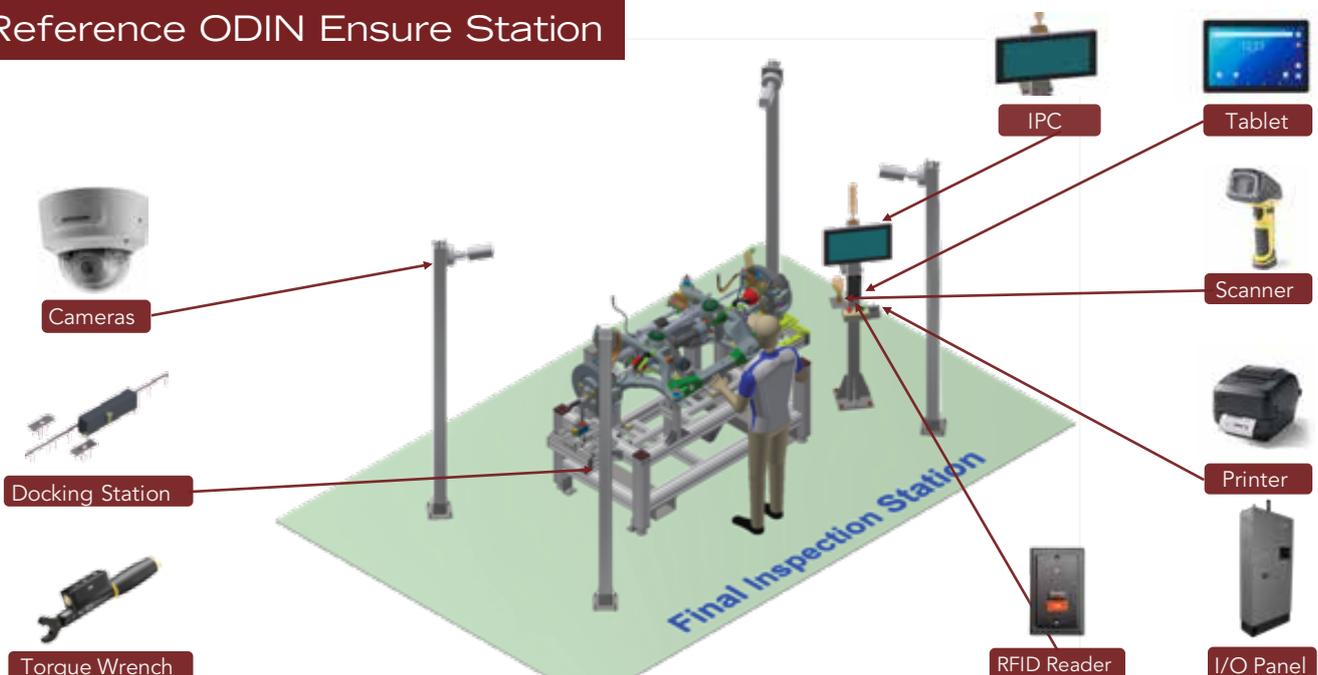


### Compliance

Functionalities of Ensure allow customers to effectively comply with required QA standards, audits and conformities with ease.



## Reference ODIN Ensure Station



## Devices used in ODIN Ensure

Serial No.	Device	Application
1	ODIN Terminal	<ul style="list-style-type: none"> <li>• Provide detailed operator guidance for QA procedure.</li> <li>• Connect to all the field devices, and provide process security.</li> <li>• Generate detailed quality reports for traceability.</li> </ul>
2	RFID Reader	<ul style="list-style-type: none"> <li>• To detect operator and deploy appropriate access level.</li> </ul>
3	Handheld Scanner	<ul style="list-style-type: none"> <li>• Identify product &amp; trigger appropriate QA procedure.</li> </ul>
4	Barcode Printer	<ul style="list-style-type: none"> <li>• Print the final validation barcode on FG for traceability.</li> </ul>
5	Handheld Android Device	<ul style="list-style-type: none"> <li>• To act as a digital checklist &amp; click pictures of child/critical parts.</li> </ul>
6	Overhead Camera	<ul style="list-style-type: none"> <li>• Capture pictures of FG, before being released from Ensure station.</li> </ul>
7	Torque Wrench with feedback	<ul style="list-style-type: none"> <li>• To verify delivered torque and store the results.</li> </ul>
8	Docking station	<ul style="list-style-type: none"> <li>• Ensure part does not get released from Ensure station unless required quality standards are met.</li> </ul>

## ODIN Terminal

Guide the operator with visuals, & digital poke-yokes.

ODIN Terminal connects with all field devices via profinet or Ethernet and allows for two way communication between database & line.



## ODIN Ensure Android app

- ODIN Ensure also has an Android application that acts as a digital checklist, and is integrated with ODIN Terminal.
- It was developed to integrate handheld devices into a QA process



Works with all Android devices.



Seamless transfer of data between app and ODIN Ensure station.



Portability of handheld devices makes QA process more agile.



Access & mark the digital quality check-sheet

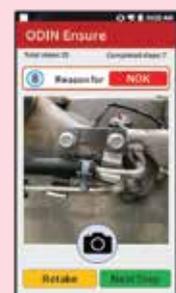
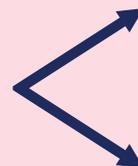
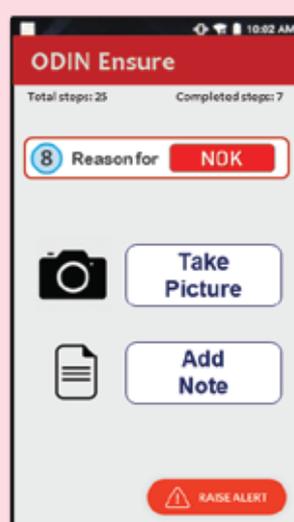
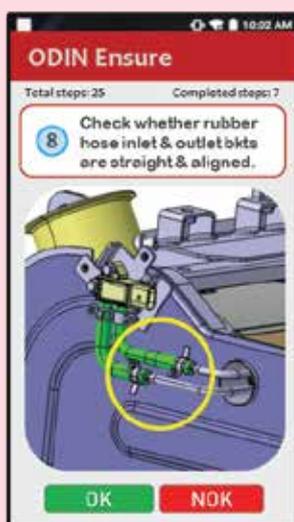


Click pictures of required operations.



Raise attention to manager when necessary.

## ODIN Ensure User Journey



## ODIN PRODUCTS



Manage your entire production process and improve line efficiencies using digital technologies for operator guidance, traceability and production planning.



Cloud-based solution for preventative and predictive maintenance. Set, track and control maintenance and service tasks to prolong the lifespan of your assets.



Gather real-time performance data straight from your new and old machines, to predict and avoid downtime. Pairs best with our Raven sensor.



Get real-time production data straight from your assembly line. Access relevant data to make timely decisions to manage potential problems before they happen.



Find all your latest project and asset documentation in one place including manuals, machine buy-outs, layouts, technical reports and more.



Raven sensors perform vibration analytics and provide insight into an asset's performance. Onboard processing of data. Easy add-on for any machine.



Consolidate all ODIN data onto one platform, allowing your data to inform and guide your next action. With personalised dashboards, KPIs, and AI-driven algorithms.



Paperless, interactive guidance for correct tooling change-over per variant. Manage faster transitions between production processes on the same line.



App that encourages data-driven behavioural change. Employees can use their individual performance data to self-motivate and drive on-the-job improvement.



Test-drive your assembly line virtually before it is built, to optimise the design. Use VR to train your operators on the line ahead of installation.



Improve operator performance by using AR to guide the assembly process. Approve assembly facility designs remotely via your mobile device.



Coordinate your employee health and wellness programme. Daily symptom screening and temperature recording. Share company policies and procedures.

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# Vision

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To be a leader in  
**manufacturing technologies**  
that help our customers **work smarter**  
and build a **better world** for all.



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To get more information about  
the product, scan the QR code

