Inspection Control System

PEGASUS SEWING MACHINE MFG. CO., LTD.
検査管理システム

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WHAT IS Inspection Control System?

The problems which are found in the inspection area in daily are very important for the factory. However, it takes time to understand the problems by writing them to the paper.

ICS is, to take in the information immediately, and it is a user-support tool for leading to improvement.

1. Don’t you write the inspection results on the inspection table?
   Writing on the inspection table, you might dirt the sewn products by the pen. The Inspection Control System (ICS) will abolish the writing & achieve paperless.

2. Can we see immediately inspection results?
   ICS manages data centrally, and you can see the result at any time.
   In addition, ICS can transfer the data into an Excel file, all information can be shared.

3. Is it possible to manage the repaired products?
   To the product which happened problems, a repair stickers with a bar-code issued, and you can manage it completely.
   And all of the repair products can be viewed by the list.

4. Can the pursuit of the problem possible?
   Since this is to make a report from many aspects, it can easily take measures and pursue issues.
ICS will innovate the inspection control

POINT-1
The discontinuation of handwritten reports and descriptions of rejected products
- To achieve a paperless environment and promote time savings by introducing a touch-screen tablet.
- To keep papers and documents to the minimum necessary, in order to organize the area around an inspection table.

POINT-2
Conducting inspection control effectively and efficiently
- A barcode label is issued for a product to be repaired (rejected product), in order to trace the rejected product. This feature provides traceability of rejected products.
- You can look at a rejected product and the places to be repaired using a monitor placed on the work site. This feature provides visibility of rejected products.
- After repairing and re-checking the rejected product, you can easily remove it from the list of rejected products by scanning the barcode.
- If you have a wireless LAN environment, you can check the progress and the inspection results through a supervisor’s PC in the office.

POINT-3
Sharing the inspection results, and generating an inspection report automatically
(Sharing and visualizing the inspection results)
According to the results of finished product measurements and an inspection report, a defective part distribution list is generated automatically
- The results are tallied in real time, and the report can be generated speedily and separately by product number, size (S, M and L) or line.
- You can figure out problems that change on a daily basis, and study problem solutions.
- Data entry work from handwritten inspection reports is eliminated, promoting labor saving.
- Problem tendencies and corrective measures to fix each problem can be figured out easily.

POINT-4
Standardizing inspection methods and skills
- Easy operation is achieved by employing a touch-screen tablet.
- According to the measurement function, the standard value for a measured position is automatically shown by product number and size.
- Items related to “dirt and/or stains on finished products” are handled specially and a specialized ledger sheet can be generated.
Inspection control will also be included in the new paperless generation

The discontinuation of handwritten reports and descriptions of rejected Products & Standardizing inspection methods and skills.

Introducing a touch-screen tablet eliminates bothersome handwriting on each report, achieving time savings. In addition, the entry items are configured in sequence. This feature standardizes the inspection methods and skills.

★ Easy inspection!!

Step1 : Taking photos with tablet
Step2 : Select Defective cause
Step3 : Select Defective location
Step4 : Click NG button
Step4 : Printing out the “repair sticker with barcode"

Printing out the “repair sticker with barcode”, and this can following-up (traceability) the production even though it returns back to production line with line monitor.
The discontinuation of handwritten reports and descriptions of rejected products & standardizing measurement methods and skills.

Introducing a touch-screen tablet eliminates bothersome handwriting on each report, achieving time savings. In addition, the entry items are configured in sequence. This feature standardizes the measurement methods and skills.

★ Easy measurement!!

Step 1: Select Measurement location
Step 2: Select measuring dimensions
Step 3: Click MEASURE button
Step 4: Printing out the “repair sticker with barcode” and this can following-up (traceability) the production even though it returns back to production line with line monitor.
Conducting inspection control effectively and efficiently

As soon as a barcode label for a rejected product is issued, the monitor placed on the work site will show details about the rejected product. In addition, you can also trace the progress situation and the inspection results using the supervisor's computer in the office. This feature enables the traceability of the rejected products easily.

Display of a list of rejected products: You can narrow down items to be checked separately by product number or line (see below).

After passing a re-inspection, the rejected product can be easily removed from the rejected product list by scanning the barcode.
Improvement and Measures

- Sharing the inspection results, and generating an inspection report automatically (Sharing and visualizing the inspection results)

By aggregating the test results in real time, to make a report in various aspects. By understanding the problems that change on a daily basis, you can do improvement and measures.
Inspection section

Distribute the tablet PC to each inspector

Office

The centralized data management in PC at office.

Production area

By the monitor, visualize the list of the repair products.
### Components of the system

* Software for tablet computer << Ver. 806PUJ >> : 1 set
* Software license key : 1 set
* Software for the office << Ver. 806VUJ >> : 1 set
* DVD-ROM for installation : 1 set

** The software for the office can be installed on multiple personal computers.

### Be sure to prepare equipment and items shown below yourself.

* Wireless LAN enabled tablet computer(s) (Windows 7 or Windows 8)
* Link station
* Wireless router
* Label printer (QL-700 or QL-720NW)
* Barcode reader
* Printer: Brother QL-700 (wired) or Brother QL-720NW (wireless)
* Paper roll: Long paper roll (L) DK-2205 62 mm x 30.48 m [4977766631556]

### Recommended hardware requirements

* Compliant Operating System : Windows 7 or Windows 8
* CPU : More than Intel Dual-Core/Core i3 recommended
* HDD : More than 50 GB (built in), HDD 1TB to 4TB recommended (external)
* Memory : 4 – 8 GB recommended
* Display : 1024x768, 1280x1024, 1280x800, 1366x768
  Tablet display 1280x800
* Chipset : Graphics Accelerator
  Equivalent to or better than Intel 915 GM (Express)
* Graphics memory : More than 128 MB

* Windows 7/8 are registered trademarks of Microsoft Corporation, USA in USA and other countries. Intel is the registered trademark of Intel Corporation (USA). Other company names and product names are registered trademarks and/or brand names of their respective companies.

* The ICS system can be operated in less than the above-mentioned environment. However, trouble may occur based on the condition of the environment.

All the contents in the "Master" is read and registered from the Excel Sheet included in this system software. Therefore, be sure to prepare Microsoft Office.

### Related notes

* Higher than 1000 Base is necessary, in order to share data under in-house LAN environment.
* The ICS software should be installed on each of your personal computers.
* Antivirus software may interfere with this system. However, the system will work well if you temporarily disable any permanent resident type antivirus software.