

MONITOUCH PLUS EXPRESS

**Data collection (Point of Production System
-Fool Proof System-)**

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Advantages of using data collection for fool proof system

- Using a touch screen provides an easily viewable display, and it's so simple that anyone can operate it without difficulty.
- Even enormous amounts of various kinds of data are manageable as products information is managed in a database.
- There is no need to worry about wrong operations since a warning window pops up on MONITOUCH screen.

Fool Proof System at Screw Tightening Process

This system helps not to forget to tighten screws at screw tightening process.

Problem

Operators sometimes forget to tighten screws at assembling process.



Monitoring the count by MONITOUCH

A count-up clock shows the number of tightened screws. The tightening operation of a set number of times is monitored by MONITOUCH.

Managing enormous amounts of data



- The no. of tightening screws
- Lot no.
- Operator code



Data Base



PC

V-Server

V-Server enables to collect real-time factory information, and it coordinates with database.

Ethernet

The no. of tightening screws

RS-232C/USB

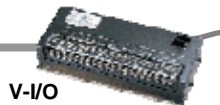


Bar-code reader



MONITOUCH V8i series

RS-485



V-I/O
(Serial extension I/O)

Electric screwdriver:
Capable of sending signals when it's completed screw tightening.



1. Read a bar-cord printed on a instruction sheet.

Instruction sheet

Blip!



2. Search for the product info. over database, and get the info. such as the no. of tightening screws .

Lot no.
Operator code
Product name



Searching!

3. Tighten product screws.



Every time finishing a screw tightening, operators can confirm the no. by a count-up clock.

Prevent a careless mistake!

Should you forget to tighten screws, a warning window pops up on MONITOUCH to prevent imperfect products from moving to a next process.



One more point!

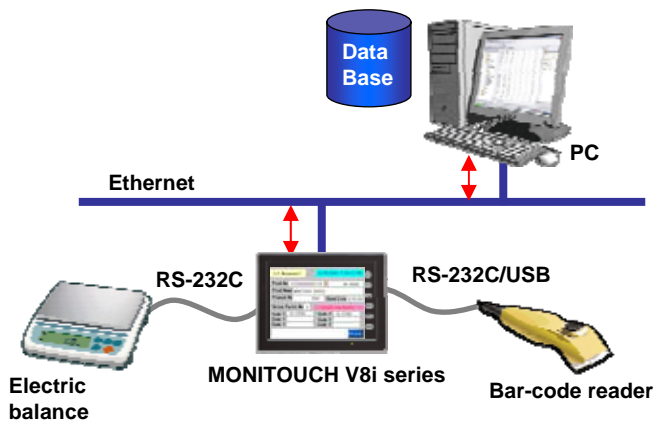
At screw tightening process, it's possible to display a product image on the screen so that operators can confirm on which place they should tighten a screw, and that enables a smooth working.

Good



Fool Proof System for Measuring Control

It is possible to prevent making mistakes in setting reference value or in measuring values by retrieving the reference/ acceptable weight values, which were recorded for each product, from database.



From database, retrieve the average value of product weight that corresponds with the info. of instruction sheet.

Blip!

A measured value is judged based on the average value.

No worry

Measuring

Weight Report

Machine No. 0 Operator Michael P...

Warning!

The weight data is not stable.

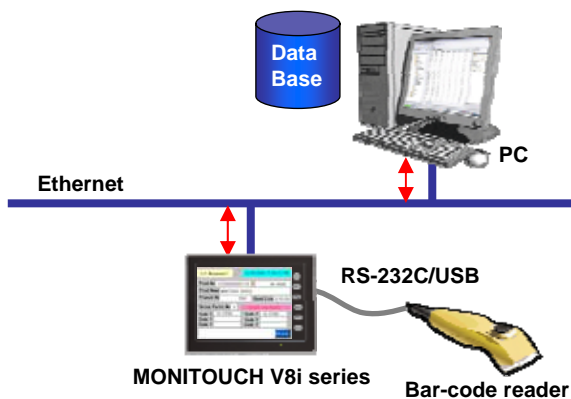
4567.888

Start Operating Stop Operating Maintenance RESET

If the measured value is out of the average...

Fool Proof System for Material Management

Coordinating with database which manages materials prevents an usage of outdated materials, and alerts you to the need for newly arranged materials.



Search for the info. corresponds with the retrieved name of material over database.

Blip!

Name of material

A warning window pops up on MONITOUCH based on the validity date/ threshold which were registered in database.

No worry

Expired validity date

Weight Report

Warning!

The validity date is expired. Do not use it!

Cross- threshold validity date

Weight Report

Caution!

The validity date will expire in month(s). Please order a new one.

Free version upgrade of the configuration software V-SFT-5



The configuration software (updated version) can be downloaded from the Following website.

Website:

<http://www.hakkoelec.co.jp/en/download/09vsft5/index.html#02>