

## Application Examples for RFID Controller Connection

### Advantages of Connecting MONITOUCH to RFID Controller

- Since MONITOUCH can be connected to RFID Controller directly, PLC link unit is no longer needed, and that is useful for cost reduction.
- Even from a data carrier recorded various kinds of information in, MONITOUCH processes only needed information and displays it on the screen.
- You can write operation information in a data carrier through V8, and that leads to much less trouble and mistake when recording.
- The operation information recorded in a data carrier can be stored in an upper PC directly by MES interface function, and that enables to reduce costs of traceability system configuration.

Improve manufacturing various kinds of products in small lots.

## Suggestions to Reduce Picking Mistakes

Picking Instruction system reduces running cost and prevents picking mistakes.

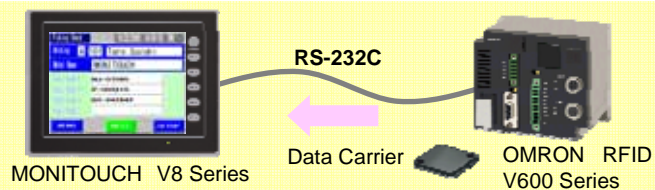
### Problems

- Picking lists are not clear enough
- Easily pick up wrong parts



### Display Picking Information on MONITOUCH

MONITOUCH reads out the picking parts information registered in a data carrier and displays only needed information for each process on the screen.



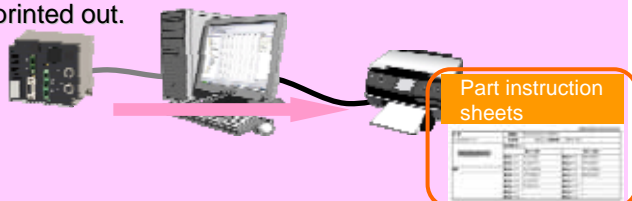
- P O I N T**
- 1) System configuration without PLC
  - 2) Paperless and cutting down costs
  - 3) Improving visibility by displaying on the panels

Realized them at low cost!

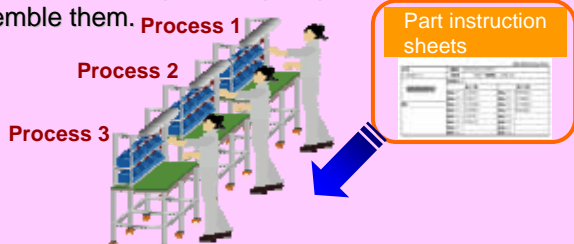
### ● Before

Print out part instruction sheets written about picking information of every process.

- 1) The info. in a data carrier is read out through RFID connected to PC, and the part instruction sheets are printed out.



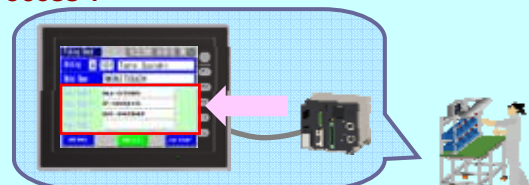
- 2) Based on the printed part instruction sheets, operators of each process pick parts and assemble them.



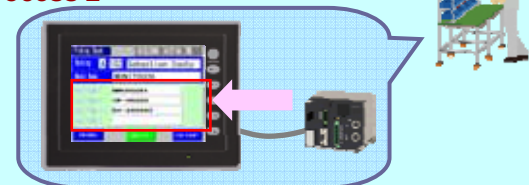
### ● After

Install a RFID controller and a MONITOUCH at each process. Display the picking information on MONITOUCH.

#### Process 1



#### Process 2

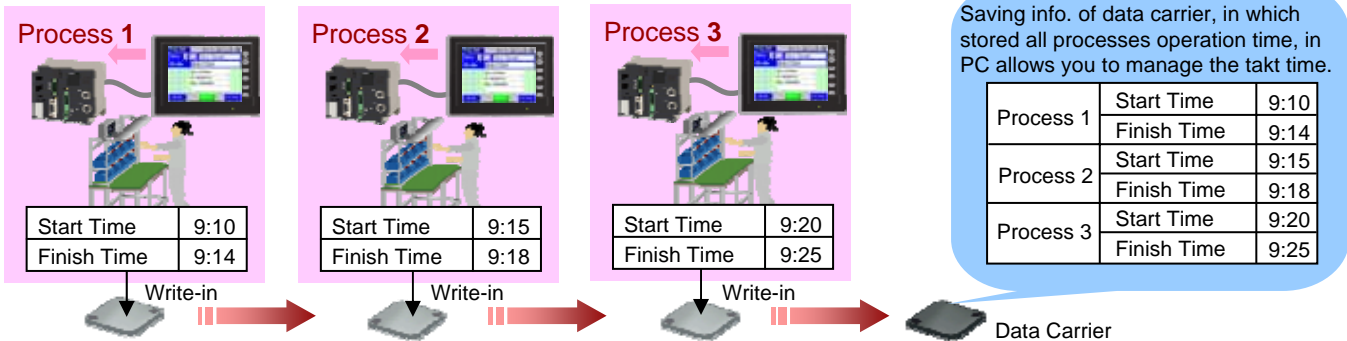


An error message pops up as a warning against wrong picking parts.

Improve manufacturing various kinds of products in small lots

## Suggestions to Improve Production Lines

Operation start/finish time is written in a data carrier for each process. You can check the takt time by checking information of data carrier after finishing the final process, and that reduces troublesome works such as measuring task time by stopwatch, and automates it all.



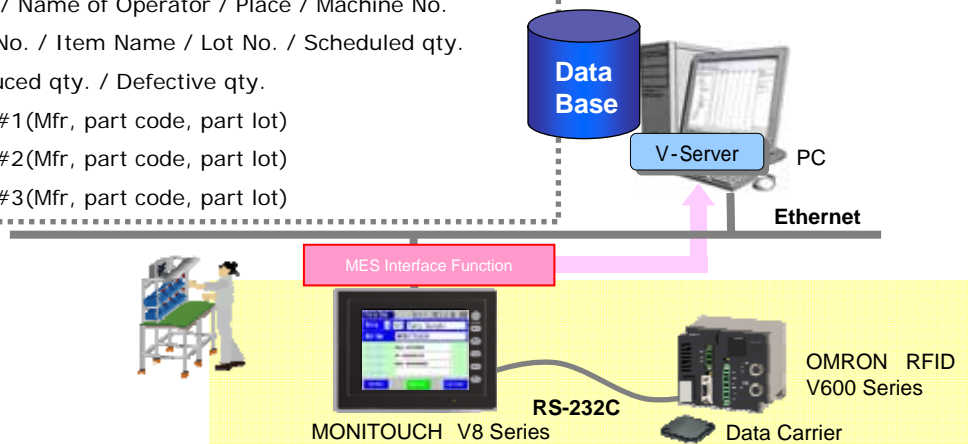
Improve manufacturing various kinds of products in small lots.

## Suggestions for Production Control System

If you manage various kinds of production information in a database, which is recorded in a data carrier, you can store the information in a database of an upper PC directly from MONITOUCH located in a factory.

### Production Operation Info.

- Date / Name of Operator / Place / Machine No.
- Ref. No. / Item Name / Lot No. / Scheduled qty.
- Produced qty. / Defective qty.
- Part #1(Mfr, part code, part lot)
- Part #2(Mfr, part code, part lot)
- Part #3(Mfr, part code, part lot)



## 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.hakoelec.co.jp/en/download/09vsft5/index.html#02>