

MONITOUCH PLUS EXPRESS

Data Collection System (Point of Production System -Operation Management Ver.2-)

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Advantages of using Data Collection System for the operation management

- The operation management system can be introduced to your existing facilities easily. There's no need to modify the existing PLC program.
- It's so easy to introduce an additional MONITOUCH to the system that you can establish the system at a low cost by expanding it gradually.
- MONITOUCH sends data to the upper PC occasionally so that the real-time information is accessible.

Operation management system for press production line

Managing the mold shot count realized the mold trace.

Problem

The delay in mold maintenance causes products some weld flashes



Managing molds of pressing machine by MONITOUCH

It enables to compile a database of the mold information and supports the mold maintenance management.

Never miss the maintenance timing again!

The information of mold shots will be automatically stored in the database.

| Storage area | Total shot count | Last maintenance date | Shot count after maintenance | Maintenance time interval |
|--------------|------------------|-----------------------|------------------------------|---------------------------|
| AG101 | 1100 | 2010/01/01 | 2500 | 1400 |
| AG102 | 1100 | 2010/01/01 | 2500 | 1400 |
| AG103 | 1100 | 2010/01/01 | 2500 | 1400 |
| AG104 | 1100 | 2010/01/01 | 2500 | 1400 |
| AG105 | 1100 | 2010/01/01 | 2500 | 1400 |
| AG106 | 1100 | 2010/01/01 | 2500 | 1400 |
| AG107 | 1100 | 2010/01/01 | 2500 | 1400 |
| AG108 | 1100 | 2010/01/01 | 2500 | 1400 |
| AG109 | 1100 | 2010/01/01 | 2500 | 1400 |
| AG110 | 1100 | 2010/01/01 | 2500 | 1400 |

Storage area/ Total shot count/ Last maintenance date/ Shot count after maintenance/ Maintenance time interval

Good



Office



V-Server

The shot information of pressing machine, which is sent from MONITOUCH, is directly stored into the database so that the database can be manageable without professional knowledge of database.

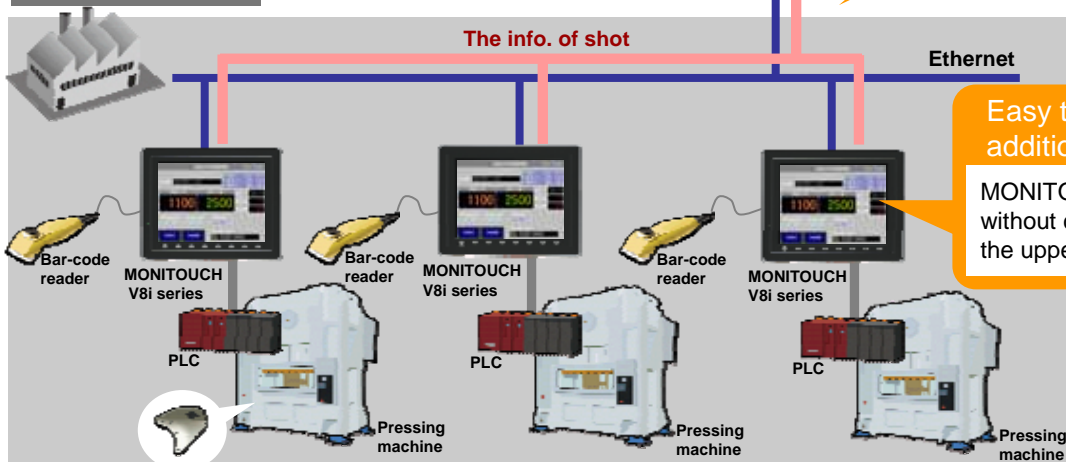
Feel safe to manage even multiple units!

Even if the number of V8 increases, the speed of responses remains the same. The shot info. is sent only when it has changes.



MES interface

Production site



Easy to introduce an additional MONITOUCH!

MONITOUCH can be added without changing the setting of the upper PC.

*Regarding the mechanical operating conditions of MONITOUCH (resistance to oscillation/ shock), please refer to the V8 series hardware specifications.

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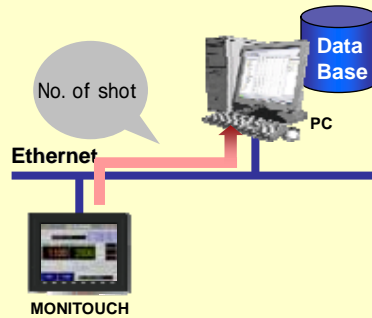
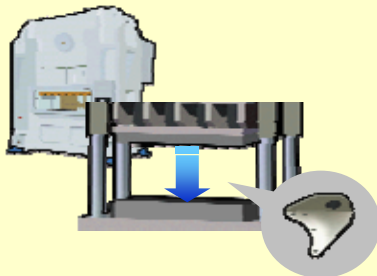
Effective Installation Examples

Example 1. Managing the shot count

1) Press products by the pressing machine.

2) Occasionally send the information of the shot count, and manage the total shot count of each mold.

3) It's easy to check the maintenance timing of each mold on the list in real time.

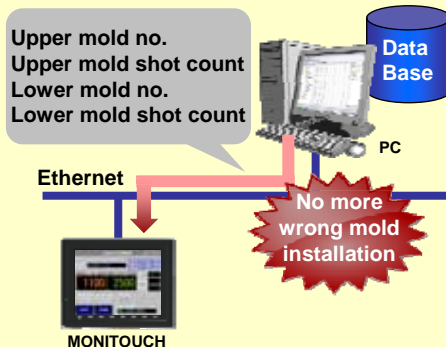
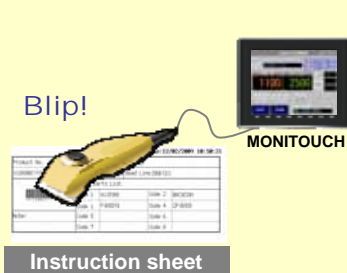


Example 2. Confirming the limit shot count

1) Read operation instruction sheets, and send the information to the database.

2) Obtain mold numbers and shot count information of each product.

3) A warning window pops up to prevent the molds, which require a periodic maintenance, from being used accidentally.



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>