

<Application Example> Benefits of Connecting MONITOUCH and a Temperature Controller

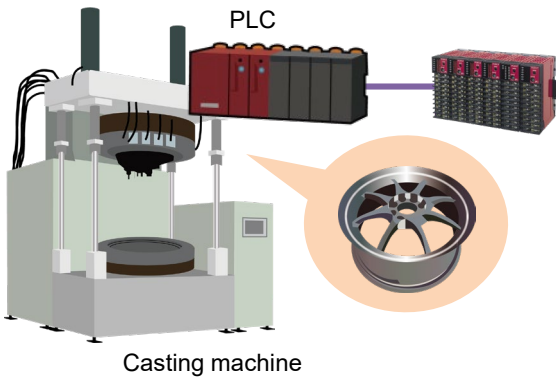
- Shot Information Collection System for a Casting Machine -

Combining MONITOUCH with a temperature controller provides the following benefits.

- Since a temperature controller can be connected to MONITOUCH without using any programs, a system can be configured at a low cost.
- It is possible to log the values measured by the temperature controller at any cycle and save the collected values in CSV format.
- By using combined parts (component part) that are provided for temperature controllers, the work hours for configuring a monitor/setting screen can be reduced greatly.

Before

Products were manufactured without collecting the manufacturing data (pressurization data, die temperature data) per shot.



Modifications are complicated in order to collect data of the temperature controller using a PLC...

Cause analysis of variation trends in quality is not possible, so appropriate measures cannot be determined...



Collect manufacturing data using MONITOUCH and temperature controllers!

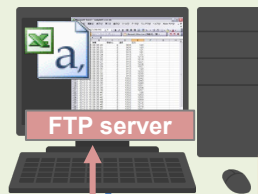
After

System configuration is possible at a low cost by connecting temperature controllers to MONITOUCH!

Since manufacturing data can be collected, cause analysis of variations in quality is possible and improvements can be made!

Information collection system

Easily enable file transfer to a host PC via FTP!
No need to connect/disconnect any storage device!



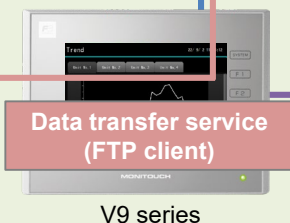
Collected manufacturing data can be utilized as a daily report!

Ethernet

1. Log the die temperature and pressure at each machine and save to CSV files.



2. Use the data transfer service (FTP connection) of the V9 series and transfer CSV files to a PC.



Serial

Fuji Electric's PUM

Casting machine

Further enhance backup for casting machines!

Use the overlaying function of trend graph parts to render the waveform of each shot and superimpose them!
 Defective products can be detected during casting.

1st shot

Casting machine

2nd shot

Casting machine

3rd shot

Casting machine

The difference in manufacturing data per shot can be noticed at a glance.

Reduce screen program configuration hours by using component parts!

What are component parts?

A component part is a function that is compiled using multiple components. Since the necessary functions and macros are already configured, various function screens can be easily created by simply selecting the appropriate component part from a list and placing it.

Simply select and place a part

Transfer to MONITOUCH

Fuji Electric's PUM series

Component parts for Fuji Electric's PUM series can be downloaded [here](#). Easily set SV values and display trend history of PV values!

