

ATS Interlink Helps Keep Carlsberg Connected with its Factory Floor

Read on to see how Carlsberg is utilizing ATS Interlink to connect their scanners on the shop floor to the MES layer in two of their plants.

Basically...

Carlsberg is using **ATS Interlink** in its plants in Switzerland and Denmark to process pallets carrying the final product.

► **ATS Interlink** allows pallet labels to be printed and then scanned, ensuring that the correct information about the pallet is sent to the MES layer.

This enables them to keep track of every pallet, together with its contents, as it passes out of the plant.



ATS Interlink helps you keep control on the factory floor

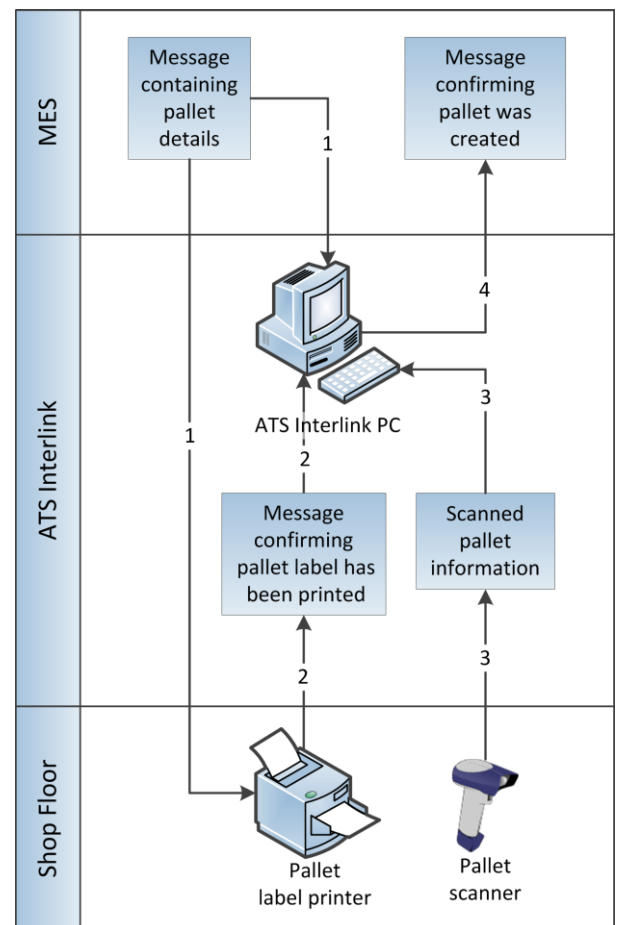
The ATS Interlink Solution

Initially, a message is sent from MES to a label printer stating what information should be included on the label for the pallet. The same message is also sent to the ► **ATS Interlink** so that it knows what is expected.

The message sent contains information such as material ID, batch ID, order ID, number of items on the pallet, SSCC code and so on.

The label is then printed and attached to a completed pallet. A confirmation message for this action is sent to ► **ATS Interlink**.

Each time a pallet is produced, an in-line scanner scans the pallet label as it passes by on a conveyor belt. The scanned code is sent to ► **ATS Interlink** which compares it to the list of pallets received from MES.



ATS Interlink workflow

At this point several checks are made by ► **ATS Interlink**: is it the correct material? Is the best before date OK? Has this pallet (SSCC) been scanned already?

If one of the checks does not pass ► **ATS Interlink** sends a signal to the PLC controlling the conveyor belt to stop. An alert window is shown with the warning and reason why it stopped. The issue can then be resolved before the conveyor belt is started again.

If no issues are detected the data is logged and sent to MES for further processing, and also to SAP.

A manual workflow is also possible. If there is something wrong with the in-line scanner, a handheld scanner can be used instead.



Receiving information from the control layer is easy with ATS Interlink

A Solution for All Industries

The case study described here is for the palletisation area of a beverage plant. However, ► **ATS Interlink** can be utilized in any industry in many different ways.

Wherever you need to interface your data collection and process control resources with the MES layer, ► **ATS Interlink** is your key to success.



ATS is an *Independent Solution Provider*, with over 25 years' experience in the manufacturing systems arena and a wealth of experience undertaking Continuous Improvement initiatives and Manufacturing IT solution design, deployments and 24/7 support assignments.

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