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because we care

Data Validation of 1:1 & 1:N Checking

WHY (Reason to Build This Technology)

We are human beings and cannot be expected to do everything like a machine and have precisely results each time. A simple distraction can lead to a mistake of their work. Through "1:1 & 1:N" data checking function, you will see how unitech helps our customers to avoid those careless mistakes on his/her daily job as well as to make the work more efficiency.

To say about "1:1 &1:N Checking", the function is so called "Pokayoke" in Japan. Although "Pokayoke" is Japanese word, it is known Japanese – English word in many countries. The purpose is to eliminate product defects by preventing, correcting, or drawing attention to human errors as they occur. What you need to do is only reading barcode of the parts.
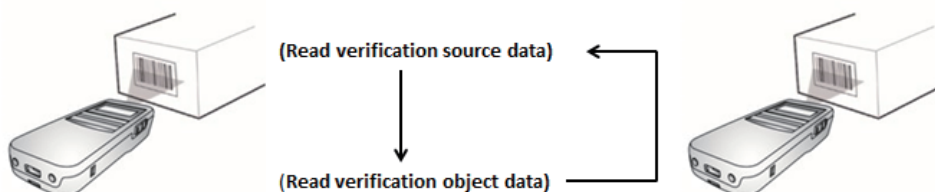
HOW (Concept of This Technology)

unitech MS916 / MS926, the wireless pocket Laser and 2D scanners featuring an easy-to-read 1-inch OLED display that allow users to get feedback of the scanned information immediately. unitech has also developed "1:1 & 1:N Checking" on MS916 / MS926 to make them more powerful than just a barcode scanner.

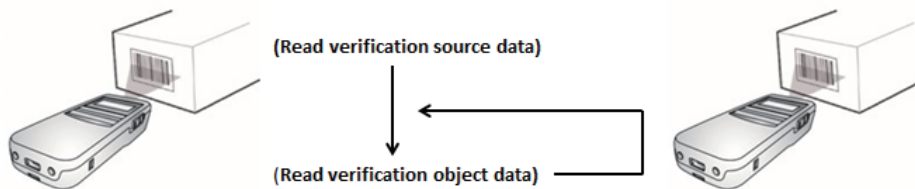■ **1:1 Checking (Sequential verification mode (one to one)):**
Use source date to check with object data at one time.

A. First scan data is for getting the source date.
B. If first scan data is "1234", and the next scan data also is "1234", the 1:1 checking is pass.
C. If first scan data is "1234", and the next scan data is not totally the same with "1234" such is "12345" or "123", the 1:1 checking is fail.
D. Repeat step A to get the source date again.

(Read verification source data)

(Read verification object data)

www.ute.com

■ 1: N Checking (Continuous verification mode (one to many)) :
Use source date to check with multiple object data continuously.

    A. First scan data is to set the source date and store in scanner.
    B. If first scan data is "1234", and following scan data also are "1234",
       the 1:N checking is pass.
    C. If first scan data is "1234", and following scan data are not totally the same with "1234"
       such are "12345" or "123", the 1:N checking is fail
    D. Continually verifying object data, no need to repeat step A.

(Read verification source data)

(Read verification object data)

* For more detailed setting of "1:1 & 1:N Checking", please click the following link for the user manual :
http://www.ute.com/products_info.php?pc1=3&pc2=296&rbu=0&pid=1616)

WHAT (Case Study Benefits)

■ Expiration date checking for food cans

Using "**1:N Checking**" function to scan the barcode of each food can to find out which one is out of expiration date.

Display "**O**" when checking pass or display "**X**" when checking fail (out of expiration date).