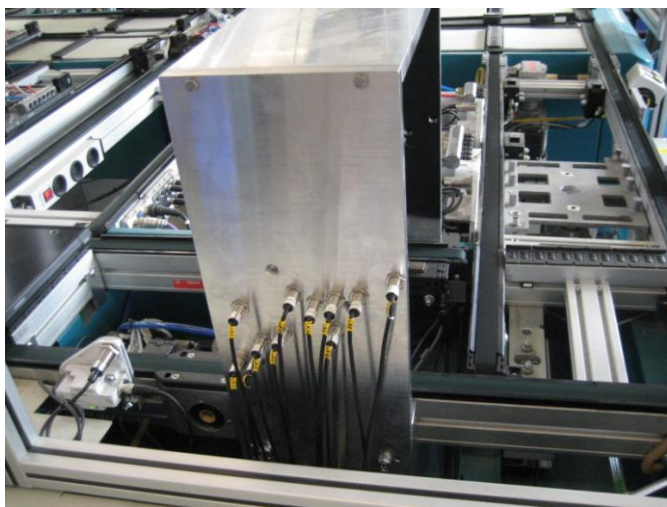


Applications

Industry / Customer Group	Miscellaneous
Application	Item differentiation in a test line
Country	Denmark
Product	PAB, LT/LR
Variations	

Application

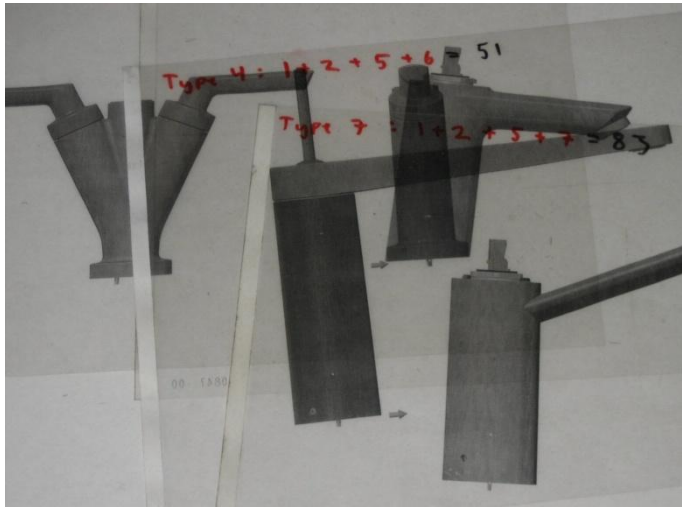


Details

The customer produces water taps that are manufactured and assembled at their facilities. They wanted to rebuild their production / test line to be able to double check if the correct water tap was on the right pallet. They produce several different types of taps (initially 12 types and now currently over 20 with more types being added on a regular basis).

All of the different drawings of the taps were taken and studied to determine if there were any specific differences between them. A pattern was made using the LT/LR sensors which could determine each different type of tap. In order for the differences to be detected, the beams had to be very close to each other to do the job. For this reason, on one side of the test assembly, the M12 sensors were mounted on the other side of a 1 mm hole to make the beam more concentrated on the receiver side.

The bit pattern given by the PABs is translated in the control system to a number which relates to a specific tap type.

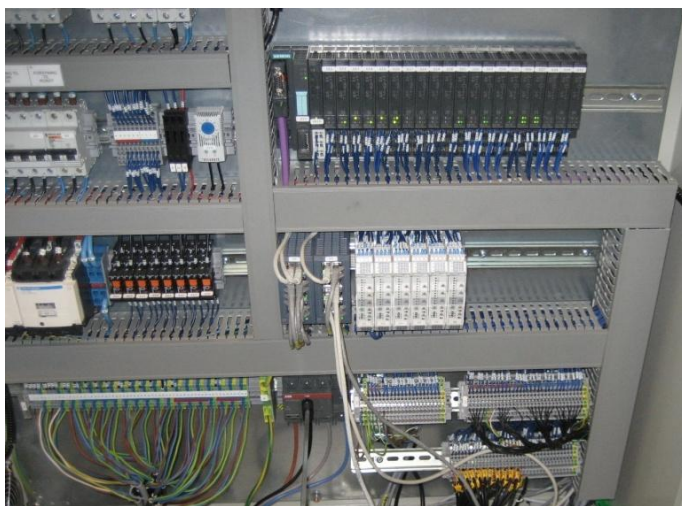


The drawings of all the different types of taps were studied to identify the main differences in order to make a pattern using the LT/LR sensors and the PAB. Each tap is given a different number.



In order to do the job, the beams had to be very close together so on one side of the test assembly, the M12 sensors were mounted on the other side of 1 mm holes so the beam was more concentrated.

A new type is already underway so the 1 mm hole has been made in preparation.



The PABs are installed in a cabinet. The bit pattern received by the PABs is translated in the control system to a number which relates to a specific tap type.

Reference: TELCO 1010141033

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