Material Identification System

AFTEK ®

live feed   match

kardex no. 45

In a large production assembly, there is an ever-present need of restocking the materials, which is expected to happen as quickly as possible to ensure a smooth production flow. Delays in searching the requisite spares, although seemingly trivial, ultimately amounts to a considerable waste of time and gives rise to fatigue in ground-level personnel, hampering the overall productivity. Surely, such energy is better spent on actual work than on *searching* the materials for work!

Typically, since each spare part has a unique (and long) alphanumeric number associated with it, it's next to impossible for anyone to remember it. Moreover, as these parts are stored in a kardex system or on a shelf, the search for a particular part gets even more time consuming.

Consider a scenario:
➔ One worker urgently needs a bunch of 5 mm screws. He takes one sample to the kardex supervisor.
➔ The supervisor, if experienced, quickly recalls the tray and bin in which the part can be found. Otherwise, he first needs to sift through a long catalogue to know the exact kardex number of required item. This easily takes 5 or more minutes.
➔ In case more (but different) parts are needed and / or the supervisor mistakenly looked for 7 mm screw instead of 5 mm one (as they are virtually indistinguishable), the whole search procedure starts again.
➔ Furthermore, if someone is temporarily working on the supervisor's post in his absence; the non-productive search time only gets multiplied.

One then wonders, can there be a system which eliminates the whole search procedure and directly pin-points to the requisite part as fast as possible?

Aftek's Material Identification System (MIS) is a unique system which helps finding location of a spare part / material not by its part number or kardex number but merely by "looking" at the part itself! Developed after a thorough understanding of the problems faced by stores management domain, the MIS consists only of a camera and PC-based software and incorporates highly advanced *Image Processing* techniques. All you need to do is provide the system with a database of items containing their pictures and inventory related information. Then, as soon as you place the required item in front of the camera, the exact kardex number is displayed on the screen. It can't get any simpler than that!

Benefits
▶ Easy integration with any kardex system
▶ Instantaneous and accurate search results
▶ No need of trained personnel
▶ Customizable search-can be used to locate items, get inventory info and so on

Package Contents
▶ Camera   ▶ PC-based Software   ▶ User Guide

Minimum System Requirements
▶ Pentium IV, 1GB RAM, 80 GB HDD
▶ Windows® XP or above

To witness all these brilliant features and more, schedule a free consultation today or visit http://videoanalytics.aftek.com for more details or contact us at videoanalytics@aftek.com

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