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Barcodes provide security in tool presetting

It appears almost everywhere, whether on yoghurt pots or shampoo bottles: the barcode. The checkout worker at the supermarket uses it just as much as do production staff in modern logistics or production management. After all, the apparently random collection of lines conceals a whole host of information. When used in the supermarket or in modern stock management, everything works according to the same principle and with the primary objective of transferring information reliably from one system to another without user intervention.

Working with barcodes brings security

Human input errors are avoided and the frequently considerable stream of information carried in the black lines is read in without errors by scanning.

Bar code development originated in the 1970s when the first data processing systems began to be used in enterprise resource planning systems. Nowadays, the barcode has become an essential feature in modern production. It has also made its way into tool presetting.

As far back as 1994, ZOLLER started working with barcode systems. After all, using a barcode system in tool provision increases process security by almost 100 percent.

The customer benefit is obvious:

Using a barcode system allows every tool to be uniquely identified whatever the location. There are no downtimes due to machine crashes caused by incorrect tool data. Tools can be reused without being measured again.

ZOLLER uses the barcode to carry the name and number of a cutting tool. It is applied to the cutting tool on a label or a printout. Corresponding barcode readers are installed on ZOLLER presetting and measuring machines. When the barcode

Barcode provides security



Caption:
 The ZOLLER barcode system provides you with systematic and straightforward assistance to get the right tool to the right machine at the right time, optimally measured and preset. As a result, every operator is capable of working quickly, without errors and without having to input data manually.



Caption:
 ZOLLER »cockpit« designed for working with barcodes. In the picture, it is equipped with a barcode reader, printer and Tool Tags as well as the Tool Tag holder.

**ZOLLER at Metav
 2008
 Hall 3, stand D40**

on the tool is read, the tool data stored in the electronic control unit or tool management system is called up. Also, ZOLLER presetting and measuring machines are capable of printing out barcode labels to be attached to tools. Barcode readers, software and barcode printers are options with ZOLLER. ZOLLER additionally offers Tool Tags as data carriers so the tool can be reliably identified with the barcode label.

Barcodes in tool presetting – a reliable thing

Setup sheet and measuring tools with barcode

There is a setup sheet with a barcode on the tool trolley for each production job. The code is scanned and then the setup sheet is called up on the monitor of the »pilot 3.0« controller, where it can be processed by the operator. Tools with a Tool Tag and printed barcode can be removed from the trolley in any sequence and inserted into the tool spindle of the ZOLLER presetting and measuring machine.

The Tool Tag is removed and the barcode scanned. The ZOLLER machine then automatically detects which tool is being used, and calls up the ID number from its database. The measuring procedure is started. The measurement result is stored, printed out on a label and the tool is removed from the spindle. The Tool Tag and label are reattached to the tool and it is put back in the tool trolley. As a result, the tool is prepared and ready to be used on the machine. This is a quick and secure process and one that is also completely independent of the operator – there is no chance for input errors to be made.

However, the ZOLLER barcode system helps you not only when presetting and measuring but also in order picking and organizing your tools.

Order picking tools with barcode

On the monitor, the operator selects the required setup sheet from the ZOLLER tool management system. An order picking list is displayed. This list is printed out with a barcode. In addition, the operator receives a barcode label for each tool with its ID number.

Now it is easy to call up and remove the required tools from the automatic lift by means of the barcode and order picking list. As a result, all tools can be brought together and assembled for the next production job within a matter of minutes, and are made ready for measuring and presetting with their barcode labels attached. It couldn't be simpler.

The ZOLLER barcode system provides you with systematic and straightforward assistance to get the right tool to the right machine at the right time, optimally measured and preset. As a result, every operator is capable of working quickly, without errors and without having to input data manually.

Come and see for yourself. Visit us at this year's Metav 2008 in Düsseldorf. We will be happy to demonstrate tool presetting and working with the barcode for you on the spot.

You will find us in Hall 3, stand D40.

The ZOLLER sales team is looking forward to your visit.

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