

Component management TS-BTV for TSS / TS

ERP with bill of materials output via data interface.
 It is transmitted:
 No. assemblies --> parts list with Item No. + quantity / batch size

Hand Scanner with display



transfer data

Parts list

Enter date and time for finishing the job.
 When enabled by the TS-BTV finish the job or reserve the assembly.

After take over of data for the production of the job, the date and time are input until which the job is completed and the components are put back into storage.
 The minimum level of dryness for the removal of components is calculated and compared with the actual degree of drying of the components contained in the parts list.
 If the actual degree of drying is higher, the device will be released for removal.
 The specification for the component removal occurs drawer and column and rows optimized.

Article no.

Cabinet No. 6 digits + Article no. + Required quantity + existing quantity

XX X X XX . XXXXXXXXXXXXXXXX . XXXX XXXXXX

Row no. 0..99

Column no. 0..9

Drawer / shelf compartment no. 0..9

Cabinet no. 0..99

Article no.

Required quantity

Total existing quantity

Scanning the ID of the packaging unit

...

VPE 1
VPE 2
VPE 3

After scanning the display of the scanner is indicated which packing unit can be removed.
 The last scanned and approved Package is outsourced.

The **display** provides information about the removal of the component. Thereafter, the **scanning of the ID** is made on the packaging unit. END. It appears the next to be taken part in the display.



Component management with monitoring of drying TS-BTV for TSS / TS

How to work with the software:

Print labels with the article numbers + consecutively numbered barcode.

Stick label on the packing unit (bar, part roller, tray).



Select the mode **Components store** on the monitor.

Scan the barcode on the packaging unit.

Enter, where in the cabinet the packaging unit is to be stored physically, this is done only the first time.

Store now the packaging at the predetermined location in the cabinet. (It will be shown on the display of the scanner).

Scan the barcode of the next packaging unit, etc.

Before being **outsourced components** each required packaging unit (rail, roll, tray) is checked for its dryness.

After the purchase a component that has one hour account of 0th

If this component at = <5% RH 3 x 72 hours stored in a drying oven, it is dry, about 14 days !!!

This means storing the components at: 0 .. 5% RH, the full hour is added only to 1/3 hour.

5..20% RH, no change in hours (during regeneration of the cabinet)

> 20% RH, Full hours are subtracted (door open outsourced or Package.)

If for setting up and equipping e.g. estimated the 22 hours, then no part can be picked, which have a moisture account of <22 hours.

In this case, I have to resort to another packaging unit. This will be monitored by the **BTV**.

Therefore, it makes sense, the components are often required to distribute on 2 or 3 Package.

If the Package is released in the display of the scanner, it can be removed.

Now the hour runs for the drying time backwards.

Components store

When the modules are equipped, so the job is done, the packaging are again scanned and stored in the predetermined space in the cabinet which is shown in the display.

Sorting of the parts list carried out according article no., storage, drying time.

If a component is outsourced for more than 10 days, it is deleted from the database.

