

DB-win

Spare Part Management

Release 2016

TSS
Software



TSS - Software

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DBwin – Spare Part Management

In General

DBwin – the spare part management system for maintenance and repair.

DBwin spare part management stores parts with order number, price and other information in a database. If a spare part is needed, you can search it with a search term and set the order quantity. The program "collects" all parts to be ordered and shows in the main menu, at which supplier an order can be placed. Normally you do not need to order every little part. DBwin works like an electronic notepad. If important parts were needed, you can place the order immediately, of course.

To place an order is very easy:

With the button "order" you will open the order menu or you can click at the supplier in the main menu.

The order list of that supplier will be shown and you can print it out.

For printing out an order you have the following possibilities:

- Print on TSS-standard form
- Print on original form of your company (you can pre-set the position of data fields)
- Print on original form of your company and print it together with jpg-file.
- Place the order via email

All of the ordered parts will be stored in the "list of backlogs", which will be shown in the main menu

When the parts will be delivered, the complete order will be stored in the archive.

The Software DBwin - spare part management works with the same database format like Fwin - Maintenance. Spare parts can be easily transferred into Fwin.

Definitions

spare part: part, material...

backlog: all parts which are ordered, but not yet delivered

form: existing purchase form, which DBwin can print on

System requirements

Hardware:	PC 500 MHZ or higher, CD-ROM drive (or installation via server)
Operating system:	32 bits-operating system Windows 98 or higher

Data base

The software employs several databases based on Paradox database format.

Data security

Problems may occur with index databases when the computer is switched off via power switch during access. As a result, the entire database could become unreadable. Make sure your data is regularly backed up!

Software installation

The software can be used for both single workstation and multiple workstation. However, please note constraints applying to multiple workstation as they operate as file-server and not as client-server.

a) Single station operation

The software is installed via the setup of the CD provided or the internet download. There is a standard directory which can be customized. Program files are created at the same time and database files are created in the subdirectory **\db6** under these program files. A **\data** subdirectory is created for maintenance-related pictures or text. The **\pictures** directory is intended to store pictures of machines and apparatuses (showing in the equipment list).

b) Multiple station operation

The software is installed on a first workstation. Then, the complete directory of the workstation is copied onto the server drive. Then, the installation CD (or the internet download) is used to install the database driver on each workstation (database drivers must be integrated in the local Windows). Then, a link is created to file "Fwin.exe" in the directory of the server drive.

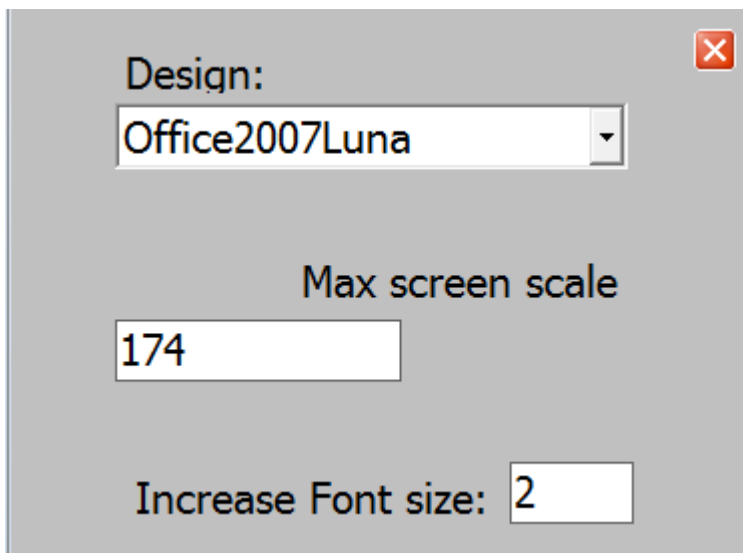
--> thus, the application will be launched and executed on the server.

Constraints applying to multiple workstation: The software uses the server as file-server. Advantages are that a daily backup is usually made on corporate network drivers and that data is stored in a central location. Data input and analysis can be done from each workstation. However, different stations cannot work simultaneously on one and the same data set.

Setting up the software / Customizing the software

The menu item "**File, Settings**" enables custom settings to adapt the software to your company :

System settings



System 1 | System 2 | User | Cost center | Order / print | Standard form | Excel | User form 1 | User form 2 | Company | Licence | DB Restore | Tec ◀ ▶

Path

192.168.178.31:D:\ServerFolders\Software\FB\FWINCSjjj.FDB

Path to pictures

C:\TSSlokal\DBwinCS2015\Bilder\

Path to documents

C:\TSSlokal\DBwinCS2015\Ersatzteildokumente\

System setup

Customize Program

Path setup

We recommend to let this field empty !
(standard folder will be selected automatically)

1. Path: where to store databases? (Default: empty, automatic selection of directory)

Do not enter the path manually except in particular cases. **Default: Leave fields empty!**

System 1 | System 2 | User | Cost center | Order / print | Standard form | Excel | User form 1 | User form 2 | Company | Licence | DB Restore | Tec ◀ ▶

System setup

Field name 4: Macher:

Field name 6: Bemerkung:

Field name 7: Lagerplatz:

Field name 8: Maschine:

Feldname 9: Teilenummer:

Filter for data check

Sum more than: 1500

check price/100, if: 50

Alert backlogs > days: 90

Scan file for batch scans

You can choose your own names for array 4, 6, 7 and 8.

Filter for error search: All data records, which break these filter settings will be listed.

Backlogs will warn after: after these number of days the article will be marked in red in the list of backlogs.

Search without special characters:

If you mark „search without special characters“ under „file, program settings“ in the tab system settings, no characters like , . - will be taken note of in regard of the search.

Path settings for data base: To be used only for special cases! If you leave this array empty the program will access the standard directory.

Pictures




On this tab the path to the picture files will be arranged.

Groups / Cost center

On this page you need to record all main groups and all cost centers which you want to be listed in the pull-down-boxes for main group or cost center. We suggest recording all information which will be used regularly.

Detail view

Name	<input type="text" value="Schmidt"/>	Group <input type="radio"/> Production <input type="radio"/> Maintenance <input checked="" type="radio"/> Admin
Pre name	<input type="text" value="Steffen"/>	
Login name	<input type="text" value="Steffen Schmidt"/>	
Password	<input type="password" value="**"/>	
Department	<input type="text" value="Instandhaltung"/>	
Email address	<input type="text" value="steffen.schmidt@tss-software.de"/>	

 [Save](#)  [New](#)  [Delete](#)

Order/print

On this tab all default parameters will be quoted, which should apply for an order:

System 1	System 2	User	Cost center	Order / print	Standard form	Excel	User form 1	User form 2	Company	Licence	DB Restore	Tec
----------	----------	------	-------------	---------------	---------------	-------	-------------	-------------	---------	---------	------------	-----

Parameter

order no. (fix)	<input type="text" value="EL/"/>
order no. var	<input type="text" value="3188"/>

Print destination

☒ Standard

☐ form print

☐ extern xls

Options

☐ Print price

☒ Print address

☒ Print order no.

☒ Print requester

☒ Print price summary

Email order

☒ makes order

☐ makes no order

Purch. request

☒ makes order

☐ makes no order

Request to Email:

Email address of your purch.dep

Order / Print

Basic adjustments to print an order

In the process "print order" you can change basic settings

User form 1 and 2

On the tab „user form 1“ and „user form 2“ the print on a company specific form can be scaled in mm. Therefore you need to fix the coordinates (left, top = 0,0) or the offsets in every array. You need to scale your form just once; the program will be able to print on this form or rather to fill in this form.

If you mark „print form pic“ on the tab „user form 2“, your own company specific form will be read in and printed as well. The program will print and also fill in your form at the same time.

Your customer form needs to be available as BMP or JPG file in the main directory of DBwin and will be searched for under the name **“formular.bmp”** or **“formular.jpg”**.

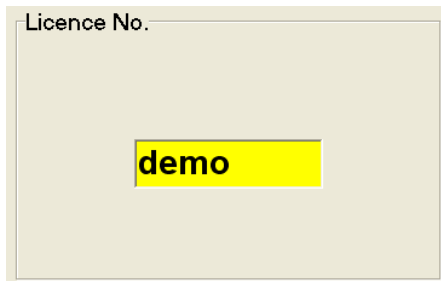
Standard form

With these arrays the standard order form will be set with your company data.

Inventory list

With these arrays an inventory list will be set with your company data regarding the used columns and the sorting.

Licence



Entry of licence number

(→ full version will be activated)

After the entry of licence number, the program needs to be closed and restarted again!

Adjusting the tables

Tables can be modified regarding the column width and the position by clicking on the title bar. The setting will be saved through the little disk symbol on top of the table. The storage takes place on the respective computers locally (C:\TSSlokal) and therefore can be set individually for every computer depending of the used screen.

Work with DBwin

In general

By tapping the key **F1** a help page will be called up for every page.

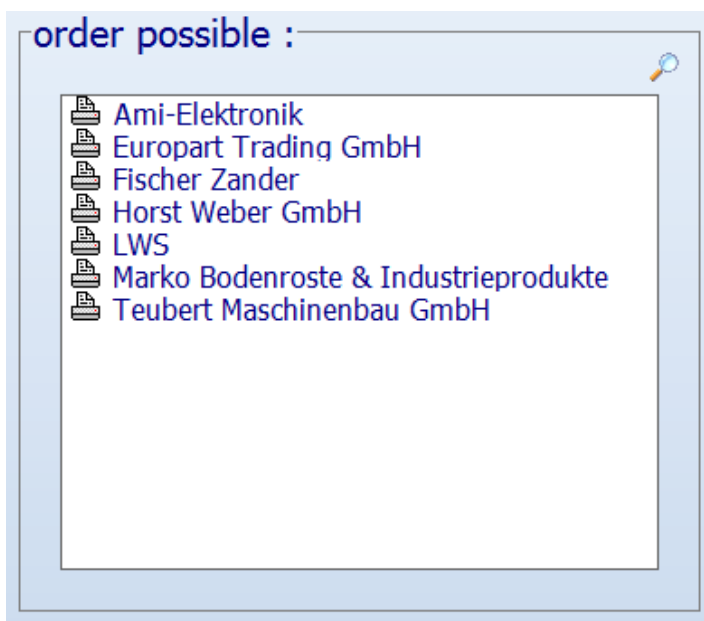


→ By clicking on this button you will always be redirected to the start screen.

Basic principle of DBwin

DBwin does save articles with order number, price and other information in a data base. If an article is needed, you can search for it by specifying a **search term** and enter the required "amount" in the corresponding field. The program memorizes all articles which need to be ordered and displays them in the main menu (electronic note pad). Furthermore it will tell you with which supplier you can place an order.

Why does the program first memorize all articles before placing the order? This is easy to explain. Very often it is not worth to place an order just because of one single article. DBwin serves as a note pad. If a specific material runs out, you can enter it as order request on the note pad. As soon as there are several articles for one supplier, it is worth now to place the order. Of course it is also possible to order important, urgently needed articles right away in an individual order.



It is easy to place an order:

By clicking the button "to order" the order menu will be called up. It is even easier if you click directly on the supplier in the window „order possible at“.

The order list will then be shown and can be printed or faxed.

Afterwards all ordered articles will be entered in the list of "**backlogs**". This list shows which articles and how many articles are ordered but not yet delivered. After a given time (which you can choose) they will be marked in red. Suppliers, who have not yet delivered the ordered material will be shown in the window „backlogs existing at“ of the main menu. As soon as the material is delivered you need to click on the article in the list of backlogs and confirm the delivery quantity. The delivered articles will now be deleted in this list and saved in the

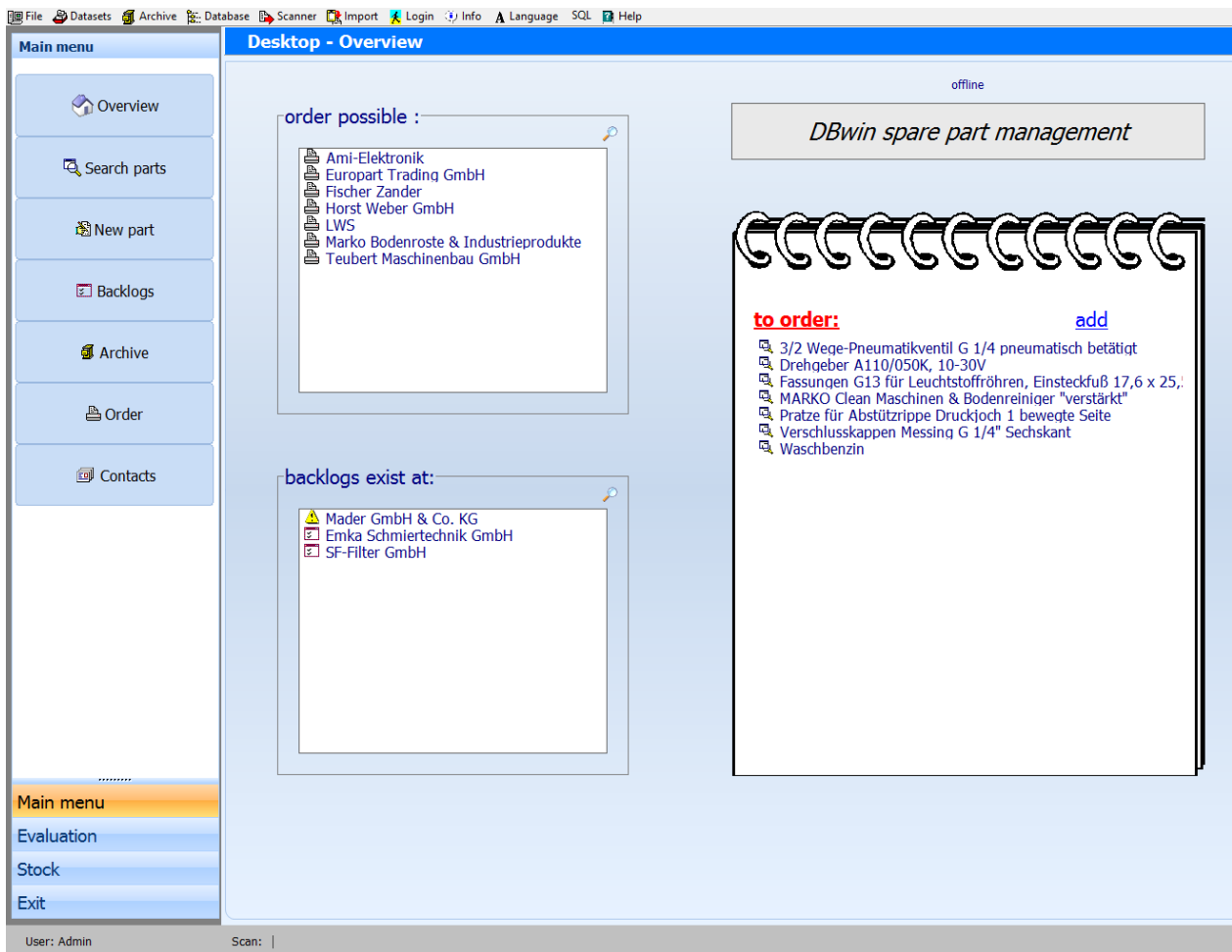
archive. This way every order transaction (with date, price, quantity etc.) can be easily retraced, even after a long period of time.

Final remark:

At the beginning you have to enter quite an amount of articles and therefore only the clear arrangement and the control of backlogs are useful benefits. But after a very short period (especially with repeating order transactions) the time you need for inventory control will be reduced to a downright minimum.

We wish you a lot of fun by working with DBwin !

Start screen of DBwin



Search for articles

After entering a search term a hit list will be shown, which contains the search term. This term can consist of words or parts of words of the article, the order number, the producer, the supplier or a comment (capitalisation will be ignored).

Search terms can be linked with symbols like + or * , as well as the word AND (e.g. **Sensor + 18mm**)

Example:

The search term "**flex**" would list all articles like:

flexipur-cable
plastic pipe flexible
extension flex
etc.

Search without special characters:

If you mark „search without special characters“ under „file, program settings“ in the tab system settings, no characters like , . - will be taken note of in regard of the search.

Articles can also be chosen with the help of a bar code scanner → see **bar codes!**

Enter new articles

A new data record is easily created by filling out the requested fields in the data base. You can jump from one field to another by finishing with the key „enter“ in every field. At the same time there is an automatic connection with the menu „units“, where the packing unit, the pricing unit (price per piece or price per 100 pieces) and the quantity unit (piece or meter) can be entered.

Dataset M03092

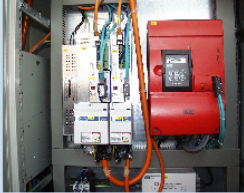
Ready Cancel Units Te.data Removal Clear Picture Print Barcode Documents Device History Accounting

Spare part	Drehgeber A110/050K, 10-30V
Maingroup:	Kurtz
Order No.:	41110006-01885
Manufacturer	Ami-Elektronik
Manufacturer:	Ami-Elektronik
Remark:	A00000F000403
Stock place:	
Mashine:	Kurtz Maschinen
Part number:	Bu.: 64080090
Link:	create new link

Inventory update

Stock quantity	1
min. quantity	0
Order quantity	1
Packing unit	1

Last order: 15.12.2014
Last delivery time: 25 day(s)



Price / pcs. 256,00 €

Save Cancel Page 2

Order Quantity 2 pcs.

The fields „article“ and „supplier“ are so called „mandatory fields“. All others (like order number, comment, producer) can be left blank, whereas additional details can be still made anytime later.


With the entry of many similar data records the last data record can be simply copied and adjusted by clicking the button „copy last data record“.

Example:

"Fuse 35A, NH00-fuses, Linder" --> button "copy last data record"
"Fuse 50A, NH00-fuses, Linder" --> button "copy last data record"
"Fuse 63A, NH00-fuses, Linder" etc.

With the button **"technical data"** an additional window will be opened where you can enter further data (e.g. material data, electrical data, etc.)

With the button **"picture"** you can call up the picture of the article.

The condition is, the link must be shown in the line underneath the picture. By clicking on the "open"  symbol the Windows standard dialogue „file open“ will be opened. We recommend to save all pictures in

the subdirectory (folder) „pictures“.

Only the link will be saved in the program and not the image itself!

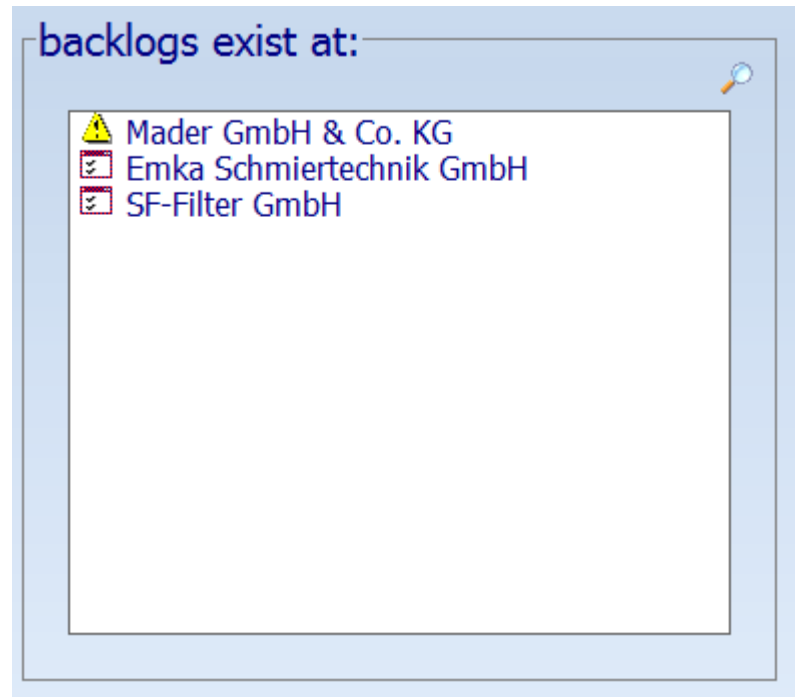
→ The pictures already need to be saved in the favoured directory.

Administration of backlogs

With the button „backlogs“ all articles of one or all suppliers will be listed which are not yet delivered. To receive an overview of all backlogs of a particular supplier, it is easier to click on the supplier name in the window „backlogs existing at“.

If you click on an article, it will be connected to the „stock receipt“. Here you can enter whether the products (or part of it) have been delivered. If the delivery quantity equals the ordered quantity or by clicking on the button „All“ the article will be deleted on the list of backlogs and filed.

If an article is not available, the process will be cancelled with the button „reversal“.



Search in archive

All finished processes are filed in the archive. The query form is based on the current year, but it can also be adjusted to past years. The indication of a supplier or a specific search term is optional, which means that you can view the whole archive or only the processes of a supplier or in regard of a particular article.

The data of all entries in the archive cannot be changed subsequently. But in the menu **“special functions”** it is possible to search for incorrect entered prices or price units, which you can correct of course.

Order of new material

With the button „order“ or by clicking on the supplier in the window „order possible at“ you get to the order menu. The entry of cost centre or comment is optional.

Print destination:

☒ Standard

☐ Form

☐ Request

By clicking on the button „Apply“ all articles of the chosen supplier will be shown which still need to be ordered. If several articles do not need to be ordered or should be ordered later, you can hide them in the list with a mouse click.

With the buttons in the title bar you can add other articles, which do not exist in the data base (manual orders, e.g. an article which you will only need once). In addition you can attach any comment as free text to your order.

Furthermore the whole text for the order can be copied into the Windows clipboard (→ to insert in “word”, E-Mail etc.)

With the button „Order“ the order will be printed or faxed. If the printout was OK the order transaction will be saved and the supplier will be listed in the window „backlogs“.

Address Administration

The data base for addresses serves for the administration and the printout of the addresses of all suppliers.

By entering the initial you will be directed to the names starting with this initial (e.g.: by entering **T** you will be directed to **TSS-Software**).

With the button „**new address**“ you can record new addresses.

Address - overview						New Address
* A B C D E F G H I J K L M N O P Q R S T U V W X Y Z						
Supplier	Street	ZIP	Location	Phone	Fax	
ABD HEPO	Austrasse 29	74172	NSU-Oberseesheim	07132 99390 0	07132 99390 90	
ABD Neuenstadt	Otto-Neumeister-Straße 2	74196	Neuenstadt a.K.	07134 91678 0	07134 91678 10	
AST GmbH	Gutenbergstr. 43	72555	Metzingen	07123 9670 0	07123 9670 10	
Afiso-Euro-Index	Lindenstr. 20	74361	Güglingen	07135 102101	07135 102105	
Akar Haustechnik	Weidachstr. 7	74189	Weinsberg	07134 / 916076	07134 / 916086	
Alba Heilbronn	Benzstraße 17	74076	Heilbronn	07131 / 9520 - 0	07131 / 9520 - 95	
Ami-Elektronik	Benzstrasse 30	82178	Puchheim	089 80 06 17 0	089 80 06 17 61	
Apparatebau Rathenow						
Artos Fördertechnik				06264 927840		
B&R Industrie-Elektronik GmbH	Friedrich-Dürr-Str. 70	74074	Heilbronn	07131 59710	07131 597171	
BOA Metallschlauch GmbH	Magdeburger Strasse 2	06484	Dittfurt	03946 811269	03946 811270	
BOA Metallschlauch GmbH	Magdeburger Strasse 2	06484	Qedlinburg	03946 / 81 1269	03946 / 81 1270	
Bar pneumatische Steuerungssysteme GmbH	Auf der Hohl 1	53547	Dattenberg	02644/96070	02644/960735	
Behl GmbH	Am Dreispitz 1	97909	Stadtprozelten	09392 9797-0	09392 9797-44	
Beko Technologies GmbH	Im Taubental 7	41468	Neuss	02131 988 0	02131 / 988 920	

By clicking on an address it will be loaded into the edit field. Now you can change the address, add new data or delete the address.

Adress - details

Save Cancel Copy Delete notes Delete all Email Homepage

Supplier **TSS-Software**

Company: TSS-Software

Street: Sülzbacher Weg 15

City: 74182 Obersulm

Phone: 07134 1379 507

Fax: 07134 1379 508

Mobile:

Contact: Steffen Schmidt

Email: s.schmidt@tss-software.de

Homepage: www.tss-software.de

Custom.No.: 12345

Supplier No.: 555888

Payment terms:

Deliefery terms:

Supplier ☒ Customer ☐
Service provider ☐ Other ☐

Notes Incidents

Overview - incidents

Parts in database	0
Parts in backlog	0
Overview - last 12 month	
Orders	0
Delivered parts	0
Sum	0,00 €
Avg. delivery time	0 Tage

With the button „**copy**“ the address will be copied into the clipboard and now can be pasted into every Windows word processing.

Comment: If you place an order with a supplier, who is not yet recorded in the address file, this address will be compiled beforehand!

With the button „**Email**“ the E-Mail program will be started and the address will be taken over in case a valid E-Mail address is provided.

With the button „**Homepage**“ the browser will be called up and the homepage of the supplier will open in case a valid www address is provided.

Inventory management

For every single article it can be determined if the article is maintained with the help of the inventory management (standard = inventory management off).

What is inventory management good for?

The inventory management (top right of dataset editor window) shows the current stock quantity (inventory) of the article. If, by withdrawal, the quantity goes below the minimum quantity, the article will be automatically entered for reorder. If there is a delivery, the stock received will be automatically entered as booked (= the inventory will be updated). Every withdrawal needs to be booked (→ button “**withdrawal**”) to make sure that stock quantity is always up to date.

DBwin 2015 CS - Materialmanagement

Part removal

Spare part

Actual stock

pcs.

Removal

pcs.

for cost center:

Sachkonto 7050 (Maschinen)
▼

Auswahl

OK

Cancel

To activate the inventory management (for a single article)

Stock control

Stock quantity	<div style="background-color: yellow; width: 50px; height: 20px; display: flex; align-items: center; justify-content: center;">2</div>
min quantity	<div style="background-color: yellow; width: 50px; height: 20px; display: flex; align-items: center; justify-content: center;">3</div>
Order quantity	<div style="background-color: yellow; width: 50px; height: 20px; display: flex; align-items: center; justify-content: center;">6</div>
Packing unit	<div style="background-color: cyan; width: 50px; height: 20px; display: flex; align-items: center; justify-content: center;">6</div>

To activate the inventory management, the arrays „min quantity“ and „order quantity“ need to be filled and in the array „stock quantity“ you need to enter the opening inventory. To be able to fill the arrays you need to double-click on them. (e.g. double-click on „min quantity“).

The advantage of an inventory management

It does not make any sense to use the inventory management for every tiny article because the administration effort (every withdrawal needs to be registered!) is too high. For bigger parts, which are rarely needed and even stored on a different stock location, the inventory management is very useful

because the regular counting and checking does not apply.

Special functions

By using the special functions you can search for data records in the archive or the data base, which break ranks, e.g. articles without price. If such articles are found, they can be changed by clicking on them (but only price or price unit (per 100 or per piece)).

With „check price per piece / per 100“ data records will be searched which have e.g. a wrong price unit and thereby the price calculated (in the archive) is incorrect as well.

The filter criteria for error search can be adjusted in the program settings on the tab system settings. All articles which break these filter criteria will then be listed (e.g. full amount exceeds 2000 €).

Work with bar code labels



The program DBwin can print labels with bar codes which you can attach to boxes for example. The printout can happen on a „normal“ printer and on a label printer (available optional). To be able to print labels you need to uniquely select the printer and the size of the paper rather the labels.

With a hand scanner (available optional) the bar codes can be read in. This way the desired articles can be found in only a second because the article will be shown immediately on the screen.

An overview of tested scanner and label printer you will find on our homepage:

www.TSS-Software.de/barcodes

Extension of the program

Updates

With „**info**“, „**search for updates**“ or with „**program info**“, „**TSS on the internet**“ in the main menu, you will be directed to the homepage of TSS. There you will always find the latest version of DBwin.

Suggestions for improvement

To be able to improve our software and to meet the requirements of our customers, we would appreciate every comment on how we could make things better.

Please send suggestions for improvement and customer requests to:

S.Schmidt@TSS-Software.de

Please address your questions regarding the program, technical problems or other requests as well to:

S.Schmidt@TSS-Software.de