

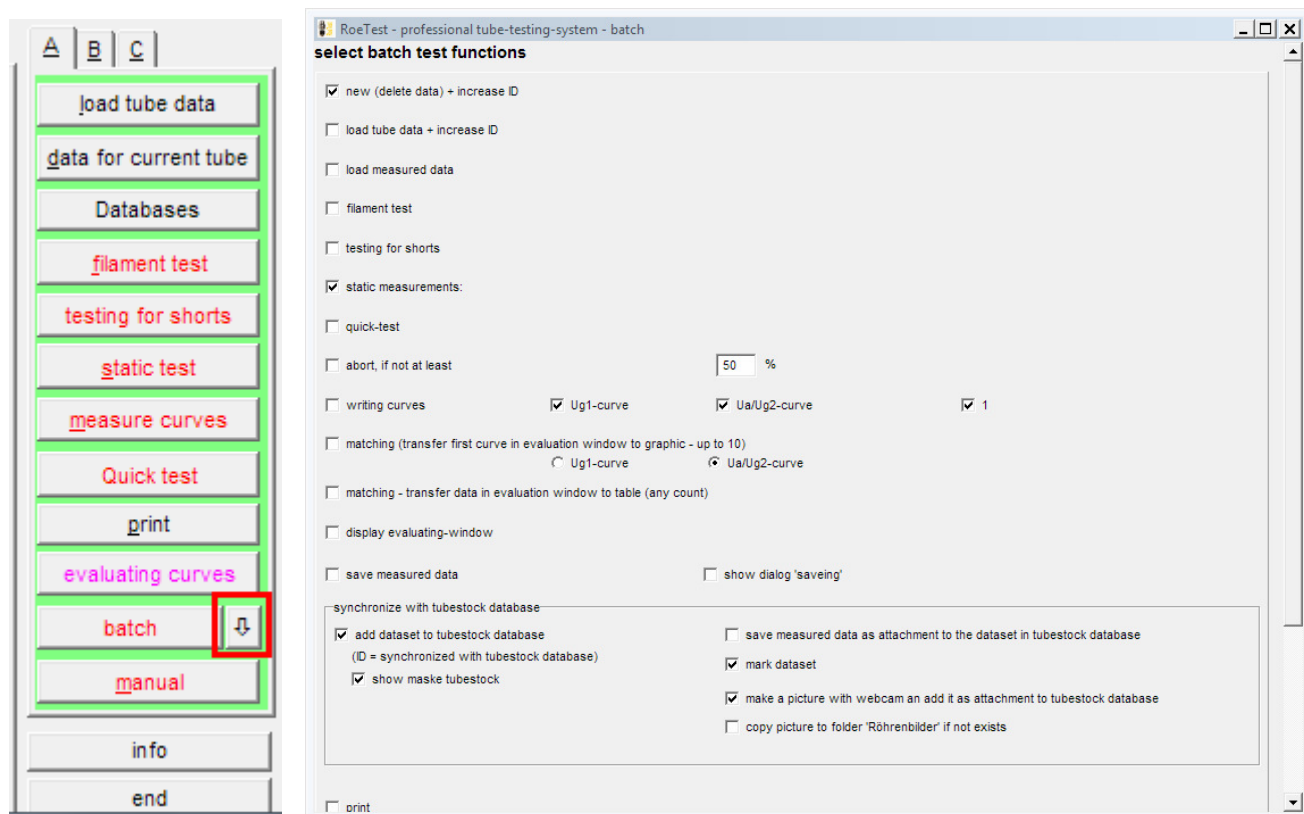
**Batch processing:** (above version 7.5.0.0)

04.02.2014

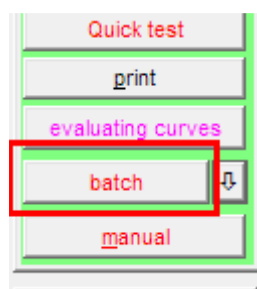
Often you have to do the same workings:

E.g. filament test, short test, static measurements, perhaps curves, printing, saving, evaluating curves and so on.

You can do one button batch processing. First please define, which steps are to do:



Then you can start the batch process:



## Explanations:

Most of the functions also you can start manually by buttons. This functions are not explained detailed here.

new (delete data) + increase ID

= erase all arrays, set next ID# (useful, if you want test several tubes of the same type). The next ID# depends if you work with the tubestock database.

add dataset to tubestock database

If you activate in batch processing (ID = synchronized with tubestock database) then always the ID# is the next free dataset in the tubestock database.

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load tube data + increase ID

opening dialog for tube data (useful if you test continual other tube types)

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load measured data

opening a dialog for loading stored measured tube data.

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filament test

starts selected functions

testing for shorts

static measurements:

quick-test

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abort, if not at least

%

If the tube measurement don't reach the % value, then abort the batch processing.

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writing curves

Ug1-curve

Ua/Ug2-curve

1

curve tracing. You can select which curves you want to trace. ,1' means: Only one curve of each chart.

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matching (transfer first curve in evaluation window to graphic - up to 10)  
 Ug1-curve       Ua/Ug2-curve

(without easy-match table)

Copying the first curve to the evaluation chart. You can select whether the use of Ug1 or the Ua/Ug2 curve. For matching it is only necessary tracing of 1 curve. In evaluation chart you can display up to 15 curves at same time.

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matching - transfer data in evaluation window to table (any count)

(matching with easy-match table)

Copies much you want curves to the 'easy-match table' in the evaluation window. Then in the evaluation window you can copy the curves with mouse click to the chart. This is a simple, comfortable function matching tubes from a bigger number of tubes. Also it is possible to use the windows clipboard for copying curve datas to other applications (e.g. Excel). See also separate tip to easy match.

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display evaluating-window

After curve trace you can display the evaluation window (usefull if no more tests in this batch process)

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save measured data

show dialog 'saving'

Save measured data to the folder, set in options. The file name automatically generated as set in options. If wished, a save dialog is displayed.

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synchronize with tubestock database

<input checked="" type="checkbox"/> add dataset to tubestock database (ID = synchronized with tubestock database)	<input type="checkbox"/> save measured data as attachment to the dataset in tubestock database
<input checked="" type="checkbox"/> show maske tubestock	<input checked="" type="checkbox"/> mark dataset
	<input checked="" type="checkbox"/> make a picture with webcam an add it as attachment to tubestock database
	<input type="checkbox"/> copy picture to folder 'Röhrenbilder' if not exists

This part is relevant for automatic adding the tube to the tubestock database (tubestock.dbf).

add dataset to tubestock database

(ID = synchronized with tubestock database)

Important: If set **(ID = synchronized with tubestock database)**, then the **ID#s are synchronized with the tubestock database.**

The ID numbers are equal the dataset numbers. With this strategy the software enabled quick access to the tubestock database without searching. In this case, it is not possible to use free ID#s (this becomes useless).

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save measured data as attachment to the dataset in tubestock database

stores the measured data as attachment to the datasets of the tubestock database:

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mark dataset

marking the dataset in the tubestock database. Later you can select all marked datasets (you know all new datasets, e.g. for printing tube rolls)

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make a picture with webcam and add it as attachment to tubestock database

taking a photo with webcam. See separate Tipp.

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copy picture to folder 'Röhrenbilder' if not exists

copying the picture to the folder „Röhrenbilder“, in case the picture don't exist there. Therewith the picture also displayed in measurement software and tube data database.

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print

printing protocol to printer (using settings of print dialog)

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print label

printing a label with a label printer (ZPL-printer). Using settings of print dialog)

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-> export.csv

test

exports measured data to a file „export.csv“

„test“: In options 2 you can define 2 extern applications (exe-files). If so, you can start this applications here.

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endless loop

beep

auto tube detection

sound:

C:\CBuilder5\Projects\RoeTest\klingeln.WAV

Sound weiter:

C:\CBuilder5\Projects\RoeTest\XYLOPHON.WAV

If this part selected, then batch processing starts again, until you abort.

Auto tube detection: At end of the loop the software prompt you to insert another tube. The system is recognizing whether a tube is removed and inserted again. For security I only allow tubes without top connection (this function is limited to quantified sockets).

**Caution:** The measurement starts automatically after inserting the tube. In this case are high voltages at the tube sockets present. Only use this mode if no touch with the sockets is possible (only one socket is in an adapter).

You can define playing a beep or a WAV file at prompting and restart the batch processing.