



MetaBridge®

Smart Software for
Interconnected Communication



... where quality is measured.



THE SOFTWARE THAT INTERCONNECTS

The MetaBridge is an integrated software solution that interconnects your Brabender instruments with users and with each other. This enables users to access any instrument at any time and operate several instruments simultaneously as well. This capability makes the taking of measurements particularly easy.

Irrespective of whether you are using a Brabender extruder, mixer, or any other Brabender instrument, the MetaBridge enables you to monitor your readings live and record them simultaneously. The results can then be evaluated, printed and exported using the software. Retroactive downloading of older readings is also possible, since all data are stored and managed centrally in the MetaBridge.

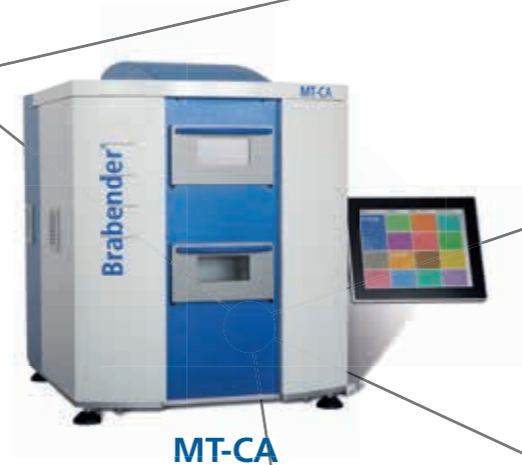
As the software is web-based, it is platform-independent. This enables more than one user to log in at the same time and access the MetaBridge from anywhere around the world. A reading can be retrieved on a computer, tablet or smartphone from any location, provided the technical parameters are in place.

With the MetaBridge you are always interconnected.

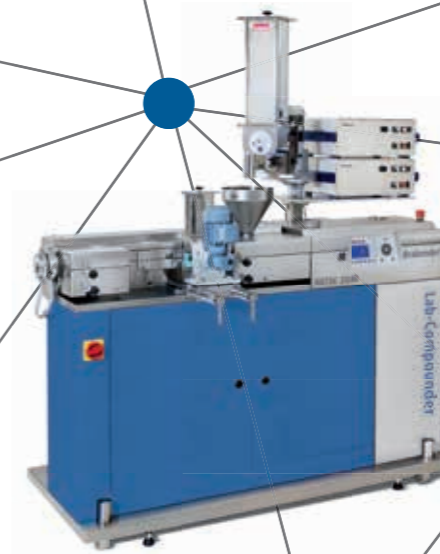


MetaBridge Controller

The new Brabender Metabridge controller is ready for retrofitting your old devices. It enables you to upgrade your Brabender device for the Metabridge-Software.



MT-CA



Lab-Compounder KETSE 20/40



Stand-alone extruder KE 30



Plastograph® EC with mixer

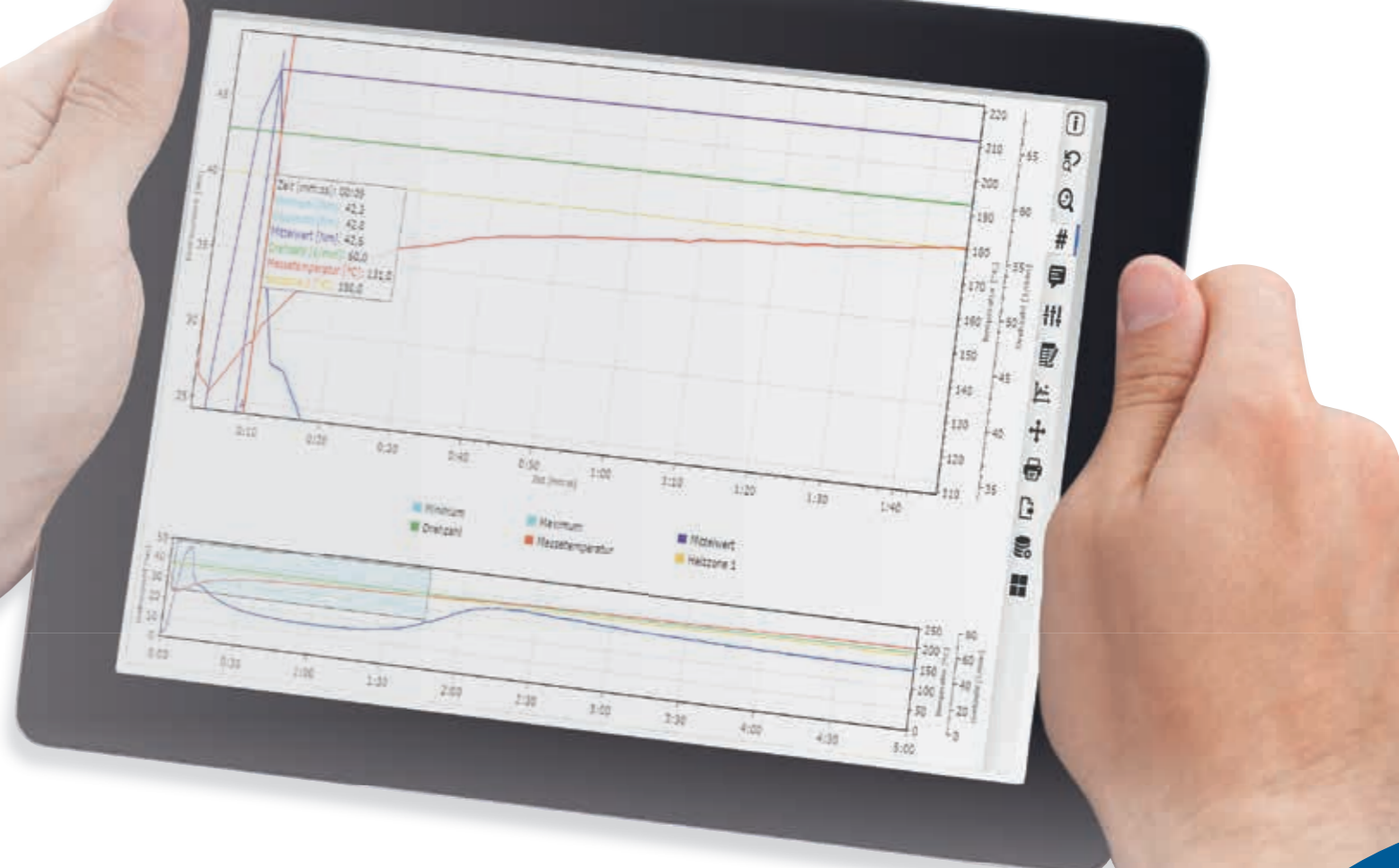
ONE SYSTEM FOR ALL APPLICATIONS

NETWORKING

Live monitoring of measurement readings

Irrespective of whether you are currently on your company's premises or at another location – the web-based MetaBridge software solution enables you to monitor measurements being taken in the test lab on any instrument linked in to the MetaBridge live at any time. The measurement readings are clearly displayed as curves. Any divergences from standard therefore become apparent straightaway and you can react immediately. This means you are always in control.

Users, instruments, software: an integrated network



Interactive measurements

A wide range of options enables measurement readings to be processed interactively in the MetaBridge. For example users can alter test parameters, enlarge chart display views or comment on readings.

Automatic live-updates

To ensure you are always up to date with measurements being taken in the test lab, all measurement data are continually updated in the MetaBridge.

Recording, analyzing, printing, exporting measurement readings

The MetaBridge records measurements and provides assistance with analysis, e.g. incorporation of reference curve and direct comparison of values. A few clicks are all it takes to print out data or export it in e-mail or PDF format.

Menu-driven preparation and conduct of tests

The MetaBridge features a menu-driven specification function to enable you to prepare tests. This as good as eliminates the possibility of less experienced employees making operating errors and means you always obtain correct measurement readings.

Central measurement data storage and management

If several users are working with one instrument, the question of where the data should be stored often arises. The MetaBridge enables all measurement readings to be stored and managed centrally. This means that every user has access to all measurement data recorded for a single instrument at all times and that documentation is uniform and consistent.

BENEFITS

- **Costs savings:** You do not need additional readers.
- **Documentation:** You can retrieve your measurement data at any time, retrospectively too.
- **Contact option:** You obtain direct feedback by clicking the contact button.

More than just an interface

Feedback options

Do you wish to ask a question about a particular measurement? The MetaBridge enables you to do this easily. By simply clicking a button embedded in the software itself, you can contact Brabender directly.

Sharing information with other users

If you wish to provide your colleagues with information about the data, there is a comment function available alongside the graphic chart displays. This means that every user can view your comments about the measurements you have taken.

FAQs

We keep getting asked plenty of questions regarding operation. We have therefore already summarized the most important questions and answers in a FAQ (Frequently Asked Questions) section and embedded it in the MetaBridge software. This enables you to obtain initial information fast. If you are unable to find the answer to your question or problem there, our hotline staff would be delighted to be of further assistance.

Important data

To enable you to access all the relevant data relating to your Brabender instruments from an external location as quickly as possible in the event of a problem, important data has already been stored in MetaBridge. First of all, you will find full Brabender contact details, including the phone number of our service hotline. Furthermore the serial and type numbers of all your company's MetaBridge-linked Brabender instruments are stored in the software. This helps us to assist you faster with your enquiry.

EXTENDED FUNCTIONS

Simple handling, intuitive operation

Ready-to-use software

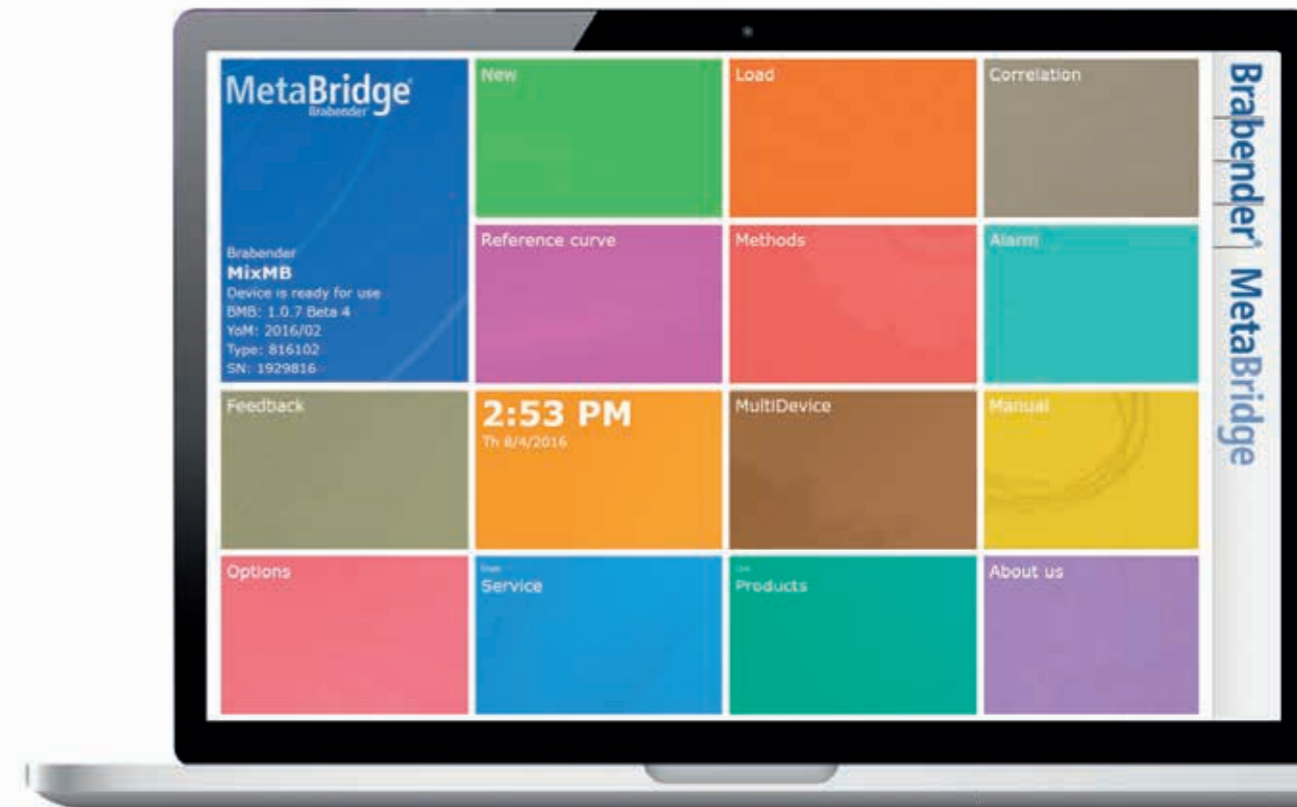
The MetaBridge does not require installation on a terminal device, such as a computer, but can be used immediately via a user-login. The only prerequisite is an existing Internet or network connection.

User-friendly design

Its clear, well-laid-out design makes operating the MetaBridge simple – the large colored tiles make familiarization easier and the functions clearly apparent at a glance. The first tile on the start screen displays full instrument information, enabling the user to get up to speed quickly with the current status of any particular measurement job. The icons are easy to identify and operate using the navigation bar. Furthermore an Info button explains what functions are represented by the symbols. A uniform and consistent design is used for all instruments, meaning that users can quickly get their bearings as far as navigation is concerned.

BENEFITS

- **Simplicity: touchscreen operation**
- **Customization: plenty of customization options, e.g. chart colors**
- **Error avoidance: automatic default settings for specific instruments**
- **Recognition factor: the same standard user interface for all end devices**



Responsive web design and touchscreen-compatible

The MetaBridge was programmed focusing on intuitive user guidance and rapid handling learnability. This smart software automatically adjusts to all resolutions and is therefore suitable for use with mobile end devices as well as for every size of screen. It is touchscreen-operation-compatible. The tiles and the rest of the MetaBridge design were designed to be easily operated using a finger.

Customizable

All tests can be custom-displayed – for example the colors, widths and visibility of the displayed curves can be altered, depending on preferences. Curves can also be adapted to match your corporate design, to enable them

to be included in presentations, for example. Users can also choose between different types of charts, as required.

Automatic default settings

To enable measurement jobs to be performed not only quickly but also correctly, the MetaBridge features several error avoidance functions. Thus the choice of measurement range (instrument-configuration-specific) and taration are fully automatic. Automatic axis increments and setpoint values have also been integrated.

Starting a measurement job



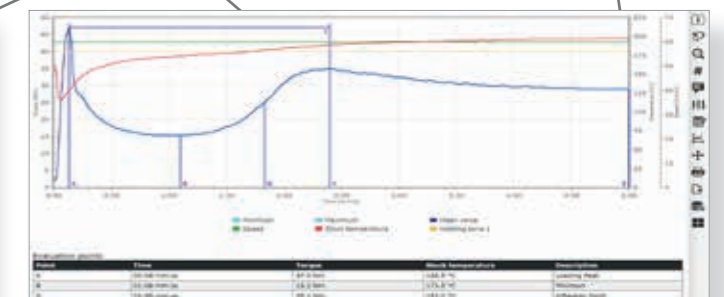
Entering the parameters



User input



Ongoing measurement with live update



Display of measurement results

Global access, complete control

Web-based software solution: makes flexible access possible

To use the MetaBridge you merely require network access. This enables you to log in to the software by browser – and therefore from long distances away – and access and control all your MetaBridge-linked Brabender instruments.

Multi-access / multi-monitoring

Several users can access the MetaBridge simultaneously – even via the same log-in. This enables several people to monitor a measurement job. This encourages those employees involved to share information internally. You are also in a position to conduct and manage measurement jobs on several instruments simultaneously. This saves you time because you can monitor all instruments using just one software program.

Remote access featured for support services

Should a problem arise during a measurement job, we want to provide you with rapid assistance. That is why the MetaBridge features a Remote Access capability – our service technicians can access your instruments via the MetaBridge using this remote-access feature in the event of a malfunction and rectify the problem. This frequently avoids the need for an on-site appointment, meaning you save time and money.

BENEFITS

- **Mobility: rapid access to any terminal device from any location**
- **Time savings: no local installation of software required**
- **Internal communication: several employees can gain access simultaneously**
- **Rapid rectification of problems: short-notice remote access by service staff**



Error-free linkage of instruments

One all-purpose software program

The MetaBridge was specially developed for Brabender instruments and geared to their functions and measurements. Since it is a web-based solution, the MetaBridge can also be used on any end device you like (PC/Mac, tablet, smartphone). The software dovetails with the display in each case. Compatibility with a wide range of different output devices means that users benefit from consistent performance.

Perfectly compatible with all instruments

Developed by Brabender itself, it is fully compatible with all available Brabender products and enables them to be interconnected. It also includes important information such as the instrument serial number or the hotline phone number that may be required for check-backs in the event of a malfunction.

System requirements MetaBridge	
Browser	All HTML5 based webbrowsers (e.g. Internet Explorer 11, Google Chrome, Mozilla Firefox, Safari)
Recommended resolution	Min. 1024 px width
Access	By browser (with IP address) and user login (also in offline mode)
MetaBridge-Controller connections	1 x Ethernet; WLAN; 1 x HDMI; 4 x USB

BENEFITS

- **Compatibility: for any Brabender instrument with USB connection, which can be connected to the MetaBridge**
- **Interconnectivity: all Brabender instruments can be interconnected**
- **Consistency: same level of performance on all end devices (PC/Mac, smartphone, tablet)**

On the safe side

Safeguard against unauthorized access

Access to the MetaBridge is via a password-protected login. Only those persons authorized by you can therefore log in to the software. Unauthorized persons are not afforded the opportunity to get their hands on measurement data.

Administrator function

You can use the administrator function to add or delete users. You will continue to be able to individualize and coordinate access rights for each user and/or group of users. This, for example, enables you to determine who is authorized to perform measurement jobs and who is only permitted to retrieve archived measurement data. Furthermore log-in passwords can be reset if required.

Software updates

Users are informed immediately if a new instrument software release is available. You can then download the update for a small fee and install it quickly and easily. This saves you waiting for an appointment with a Brabender service technician and the associated costs. Because the instrument is always up-to-date, its operational and measurement reliability are guaranteed.



BENEFITS

- **Security: password-protected access**
- **Always up to date: automatic software updates**
- **Control: for individual users and groups of users**

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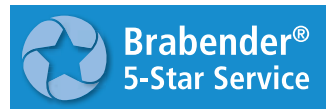
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... where quality is measured.