

Modernisation of Hydraulic Universal Testing Machines

w+b offers different levels of modernisation of existing Hydraulic Universal Testing Machines from all manufacturers.

The upgrade of your test system will bring it back to the most advanced testing control with increased productivity and reliability.

w+b



walter+bai ag Testing Machines

Industriestrasse 4, 8224 Löhningen, Switzerland, Tel. +41 (0)52 687 25 25, Fax +41 (0)52 687 25 20
E-Mail: info@walterbai.com / Internet: <http://www.walterbai.com>

Our modernisation packages will bring your existing testing machine back to the most advanced testing control with increased productivity and reliability. No matter of the manufacturer from your system, we will replace the outdated controls with our latest digital control technology and personal computer running Material Testing Software Package AppliXX which provides most EN, ISO, DIN or ASTM and other standards tests for a wide range of applications on different materials.

Different Levels of Upgrades:

w+b offers different levels of upgrades to meet the wide variety of testing needs of laboratories and manufacturers. The modernisation spectrum ranges from add-on data acquisition system to complete refurbished machines with new hydraulic power pack, digital controller with Software Package AppliXX etc.

Modernisation Level 1:

Add-on package for electronic force-deformation measurement

With this add on retrofit package your manual controlled testing machine will be equipped with new force measuring sensors, extensometer and digital display. For easy calculations and print out of test reports in connection with PC and Printer Software Package AppliXX is available.



Modernisation Level 2:

Modernisation package with new hydraulic power pack and electronic force-deformation measurement

This modernisation package will completely replace your old control console through one of our manual controlled standard units. Additionally new force measuring sensors, extensometer and digital display as in level 1 described will be delivered. For easy calculations and print out of test reports in connection with PC and Printer Software Package AppliXX is available.



w + b

walter+bai ag Testing Machines

Industriestrasse 4, 8224 Löhningen, Switzerland, Tel. +41 (0)52 687 25 25, Fax +41 (0)52 687 25 20
E-Mail: info@walterbai.com / Internet: <http://www.walterbai.com>

Modernisation Level 3:

Add on package for closed loop testing with automatic test procedure

This add on retrofit package transforms your manual controlled testing machine into a computer controlled closed loop system or replaces your existing but outdated controller with our latest technology with automatic test procedure and data acquisition. As long as the existing hydraulic power supply is still in good condition your add on servovalve assembly can be used in combination with displacement transducer and new digital controller. Existing electronic pressure transducer will also be replaced. If your testing machine is already equipped with a electronic load cell(s) and extensometer(s) it can remain as long as they are still in good condition. For easy and most advanced calculations and print out of test reports in connection with PC and Printer Software Package AppliXX is available.



w + b

Modernisation Level 4:

Modernisation package for closed loop testing with automatic test procedure and new hydraulic power pack

This modernisation package will completely replace your outdated control and power supply through one of our standard control consoles with integrated power pack, digital controller with personal computer running Software Package AppliXX providing closed loop testing with automatic test procedure and data acquisition. Existing electronic pressure transducer will also be replaced. If your testing machine is already equipped with a electronic load cell(s) and extensometer(s) it can remain as long as they are still in good condition. For easy and most advanced calculations and print out of test reports in connection with PC, Printer and Software Package AppliXX is available.



Modernisation Level 5

Modernisation package with refurbished load frame:

Finally, this modernisation package consists of one of the level 1 to 4 including completely refurbishing of your existing load frame. The load frame will be completely disassembled, checked and renewed in our factory.

walter+bai ag Testing Machines

Industriestrasse 4, 8224 Löhningen, Switzerland, Tel. +41 (0)52 687 25 25, Fax +41 (0)52 687 25 20
E-Mail: info@walterbai.com / Internet: <http://www.walterbai.com>

Modular System:

The modernisation systems offered from *w+b* are modular designed and provide different options. All existing sensors or extensometers can be connected to the new control system. They all will be upgraded with sensor plugs with transducer coding (SGS) enables to store all information (as capacity, measuring range, calibration etc.) from the connected transducer with self-identification of it. If your system works with automatic extensometers either axial but also combined axial and reduction in width ones or non-contacting video or laser extensometers the system can be expanded in order that they can be linked.

For machines equipped with hydraulic grips *w+b* offers new hydraulic power supplies with grip control system allowing an independent control of the grips. For parallel grips the clamping force can be adjusted in order to improve better performance on a variety of specimens thanks to a wide pressure adjustment range. It prevents damage to your specimens from grip or specimen slippage during your tests.

The clamping pressure is permanently measured, controlled and shown on a digital display. All hydraulic grip power packs provides a stable hydraulic pressure that doesn't increase even if the temperature does. New inserts for your grips also can be delivered either from stock or through our internal machine shop.



w + b

walter+bai ag Testing Machines

Industriestrasse 4, 8224 Löhningen, Switzerland, Tel. +41 (0)52 687 25 25, Fax +41 (0)52 687 25 20

E-Mail: info@walterbai.com / Internet: <http://www.walterbai.com>