

TEST BENCH



CALIBRATION TEST BENCHES

Customization based on customer requirements

Application

What does a test bench have to comply with?

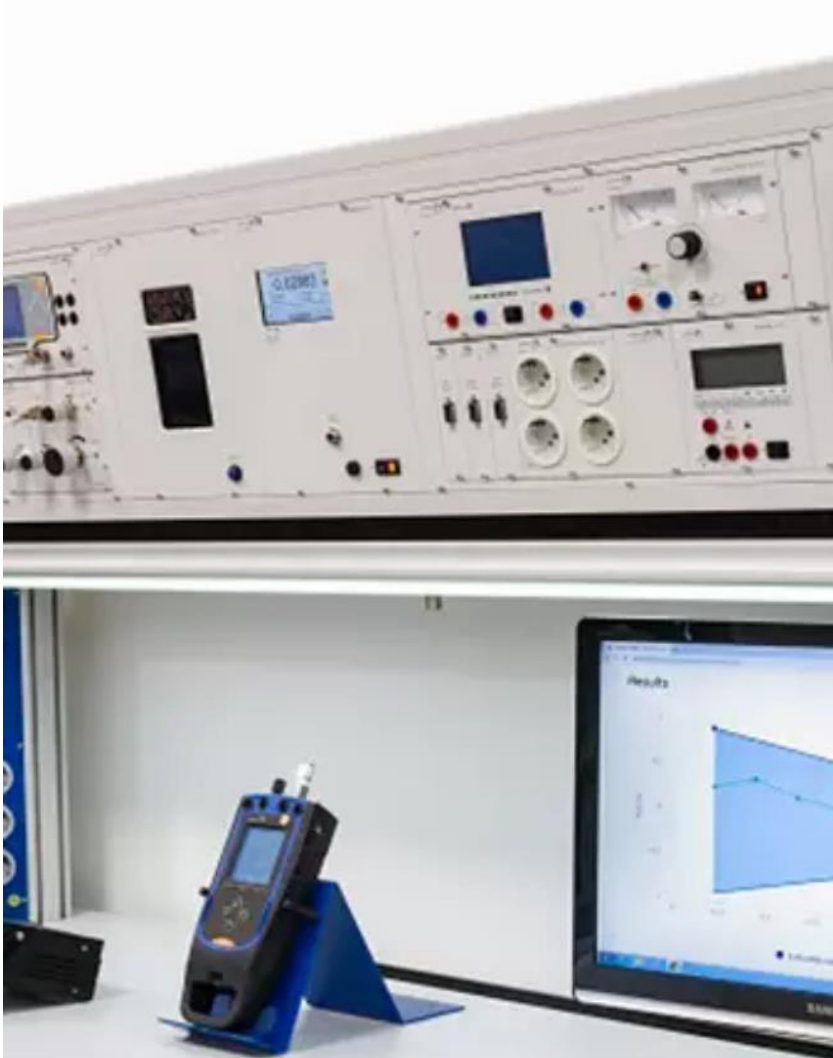
What quantities do you work with?

What are the accuracy requirements?

With the answers to these questions we build a high quality test bench, a test bench with a long lifespan.

Examples of calibration test benches that we can put together:

- Test benches for electrical calibrations
- Test benches for pressure calibrations
- Test benches for temperature calibrations



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Worktables

A very wide range of high quality sturdy industrial grade tables are available with table tops up to 30mm thick and all-round frame with cross-beam, made from rectangular steel tubing. Choice in design and functionality with fixed or, (electrically) adjustable in, height.



Bench tops and racks

The benchtop units are designed for optimum flexibility.

All types of panel mount equipment, 19", or any other size rack, can be integrated. Blind plates can cover any unused slots. The units can be placed either direct on the worktable or on a raised support above the workbench.



Drawers and Cabinets

The Tradinco systems can be supplied with a wide variety of drawers and cabinet for the storage of documents, tools, accessories etc. They can be mounted under, floor standing or mobile with wheels. Various inserts are available to suit your specific requirements.



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PRESSURE

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Calibrators/Indicators/controllers

We can integrate virtually each and every pressure calibrator into our systems. Amongst Tradinco's own series of instruments, all reputed brands can be integrated as well. Depending on your demands and application we will select the best possible solution.



Low & High pressure control Panels

These panels are widely used in the industry for general application where regulated test pressures are required. One or more range can be combined in one panel where the output pressure can be monitored on the analogue gauges.

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Process signal indicators and calibrators

A variety of panel mounted instruments, from digital multimeters to advanced multi function calibrators can be offered. These instruments are capable to measure or simulate a wide range of electrical process signals. Most common signals are, RTD's, thermocouples and resistance, as well as sourcing and reading milliamps, milivolts, volts and frequency. Again all major brands can be integrated, meeting your requirements fully.



Mains and Plug Socket modules

The Mains Power Supply Units are used for power supply; fuse protection and switching the bench top units on and off. Plug socket modules are available in various configurations with SCHUKO, CEE, BS, USA and other sockets.



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Variable AC& DC Power Supplies

The adjustable AC supplies are available in various ranges with analogue or digital volt and current meter, floating or non floating output, 1 phase or 3 phase and special motor test versions.

AC/DC supplies provide continuously adjustable AC-supply from zero volts upwards and can be switched over to DC. A variable/ratio transformer with rotary knob is used to set the voltage. The DC supply has a ripple of 48%. The DC supplies are available in numerous versions, fixed, adjustable, single, dual and triple output. The voltage and current output are shown on two digital indicators. Outputs are through safety lab connectors.



Other electrical modules

Soldering-desoldering modules, Panel mount versions, either separate or combined, including integrated vacuum pump and digital display, adjustable within the range of 150 – 400 degrees C.

Oscilloscopes, frequency counters and generators, decade boxes, digital multimeters, continuity tester, timers and all kind of electrical modules, commonly used in the workshop can be integrated into the system.



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Dry-block calibrators

Various models to cover temperatures from -45°C below ambient to 1200°C available as a stable source or complete calibration system. These innovative calibrators combine a highly stable temperature source with precision measurement of temperature probe signals, providing a truly standalone temperature calibrator suitable for laboratory, workshop and portable use.



Temperature baths

For testing and calibrating large size probes and or large quantities simultaneously, temperature baths can offer a good and stable solution. Various ranges are available and can be integrated into the worktable or as a standalone.



Temperature Indicators

High precision reference standards are available to calibrate your process instrumentation. Accuracies up to 0,05 degrees C and ranges between -200 to 1300 degrees C are possible.

Thermocouple and RTD probes

To complete the temperature measurement and calibration section, we can offer wide range of probes in various quality, accuracy and ranges.

DESIGNED WITH FLEXIBILITY AND MODULARITY IN MIND CALIBRATION MANAGEMENT AUTOCAL CALIBRATION SOFTWARE

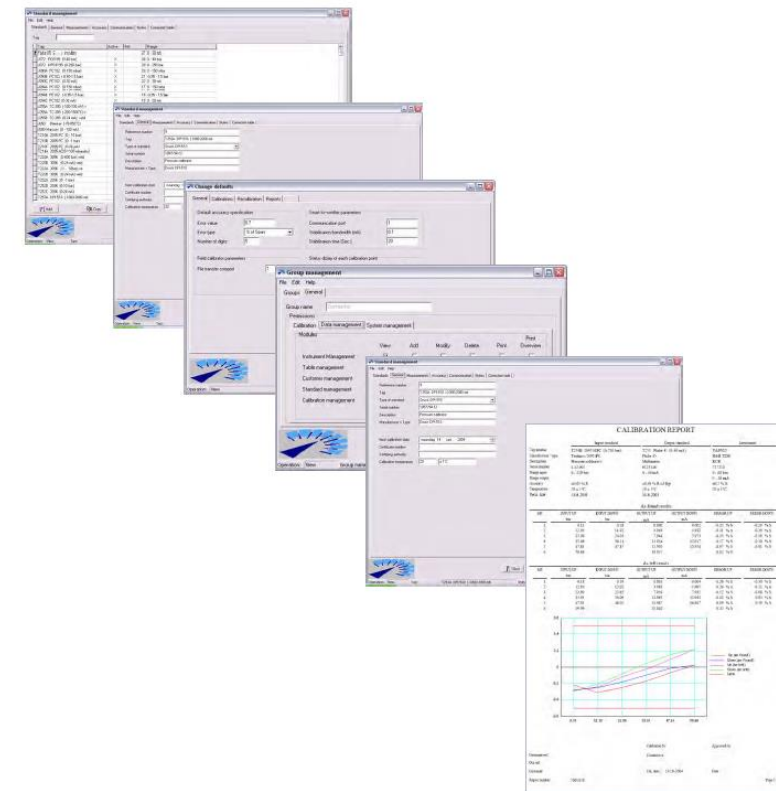
Once you have a complete system, fulfilling your hardware requirements to perform your test, measurement and calibration job in the best possible way, your process can be further improved by connecting it all to one Calibration Management system, AutoCal®. AutoCal® is a powerful management tool for anyone with responsibility for ensuring that devices are calibrated in line with today's quality guidelines such as ISO 9000, environmental standards, systems validation and safety guidelines. It is an unique software package, designed to make the management and execution of calibration and certification of measuring devices fast, simple and error free. We offer a complete plug and play system, including workstations, printers, interfaces, cabling, etc. Our instrumentation is used around the world in aerospace, transportation, oil and gas exploration and production, petrochemical processing, power generation, pharmaceuticals and the industrial sector generally.

AutoCal calibration software

Timely and accurately executed calibrations are vital for the continuity of your business. From this point of view we have developed the AutoCal software. With our Autocal calibration software you can plan and perform high-quality measurements and calibrations. The software has been developed in line with international metrology and quality standards. The AutoCal software is also brand independent, which means that the software works with solutions supplied by us as well as with solutions from other brands.

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AutoCal+
The Calibration Software®



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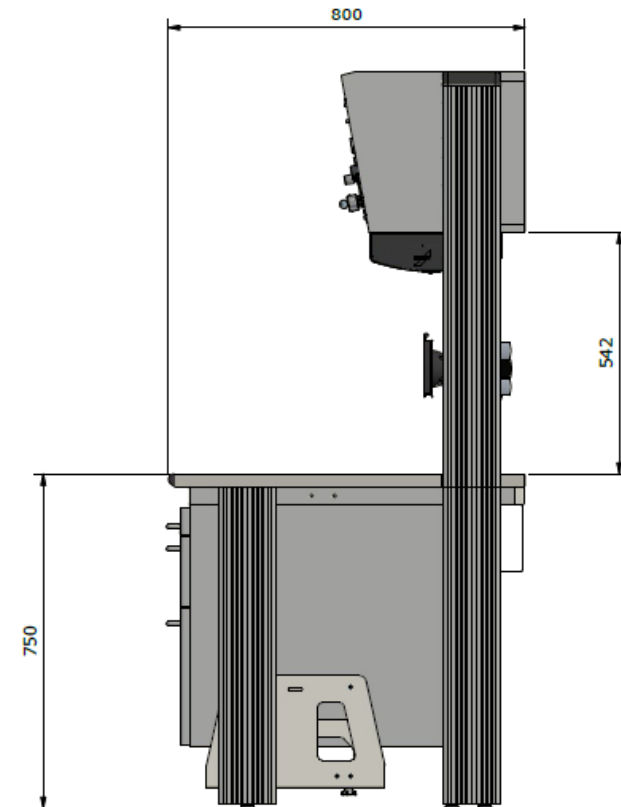
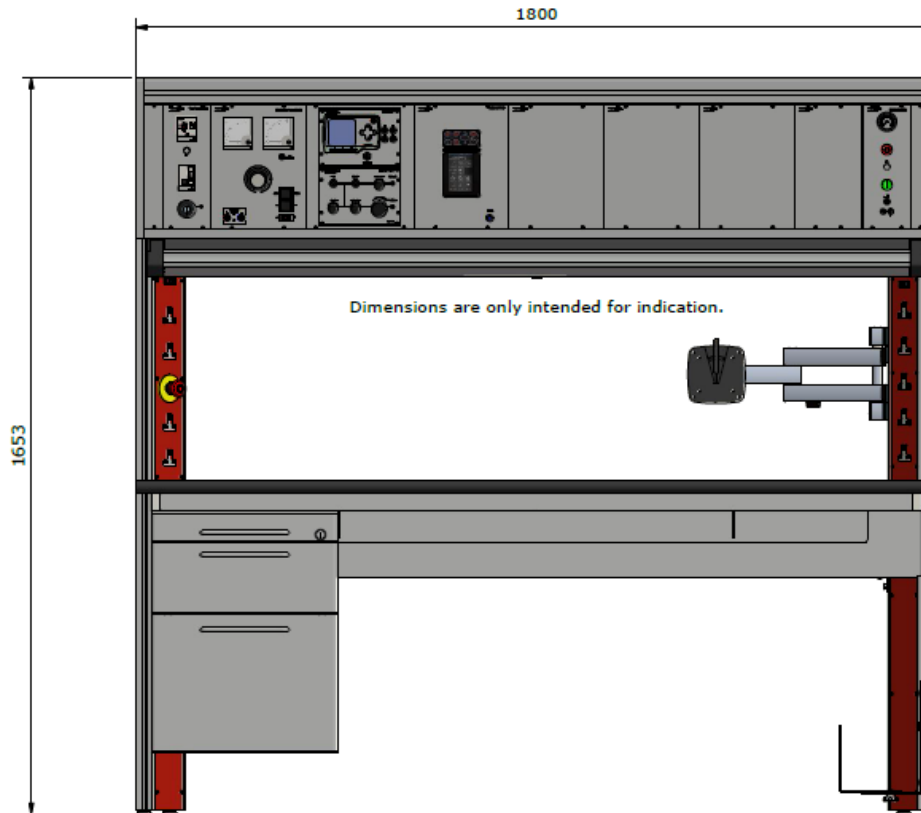
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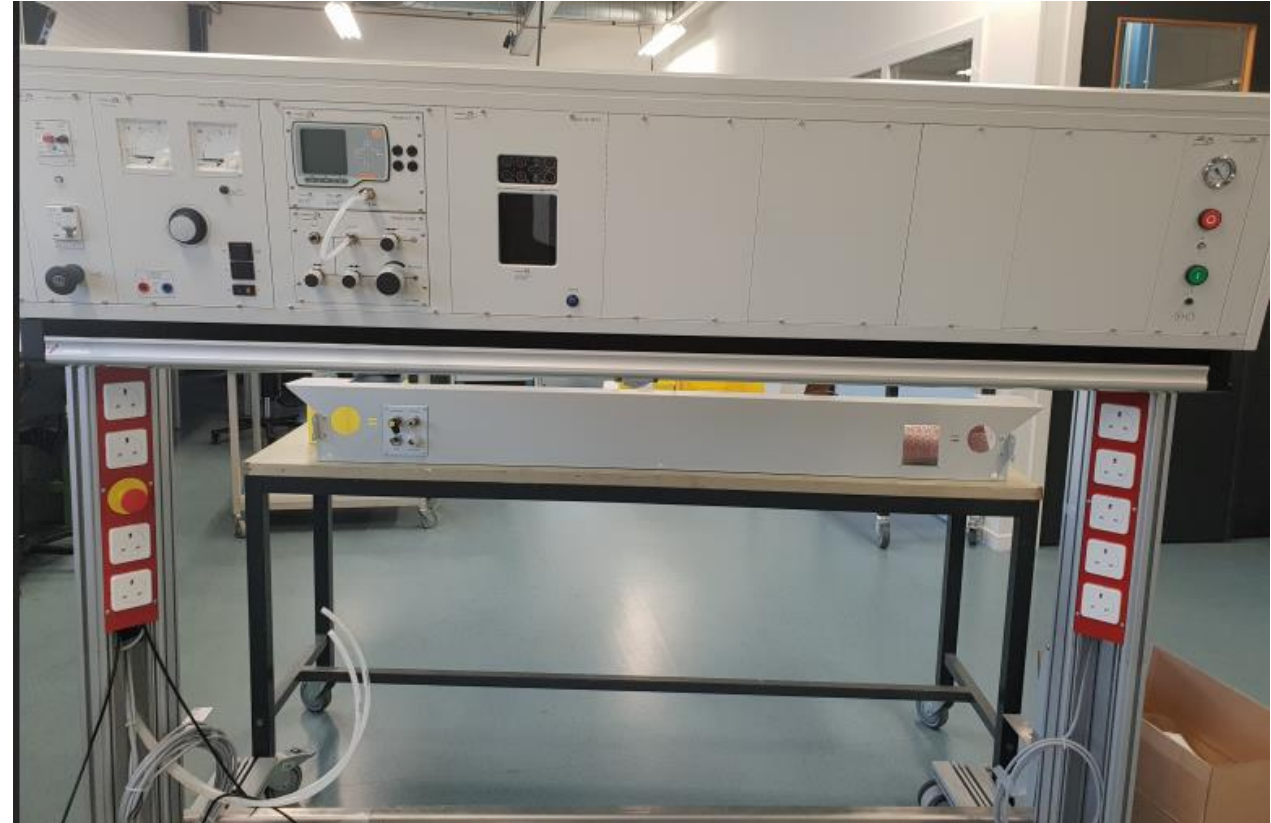
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Primus One system table W = 1800 mm, D = 800 mm, H = 750 mm



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