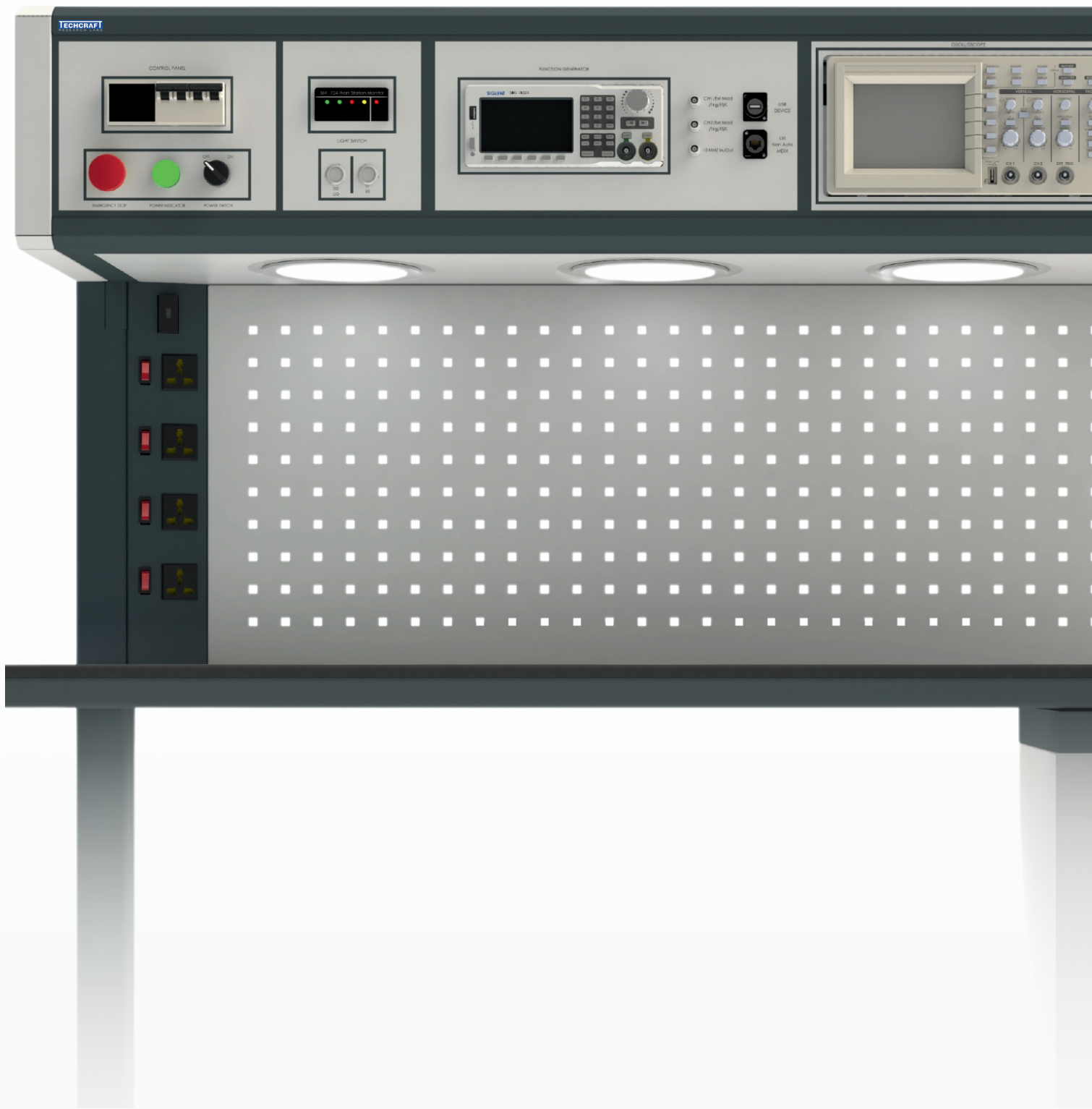




THE COMPLETE CALIBRATION & TESTING LABORATORY SOLUTIONS

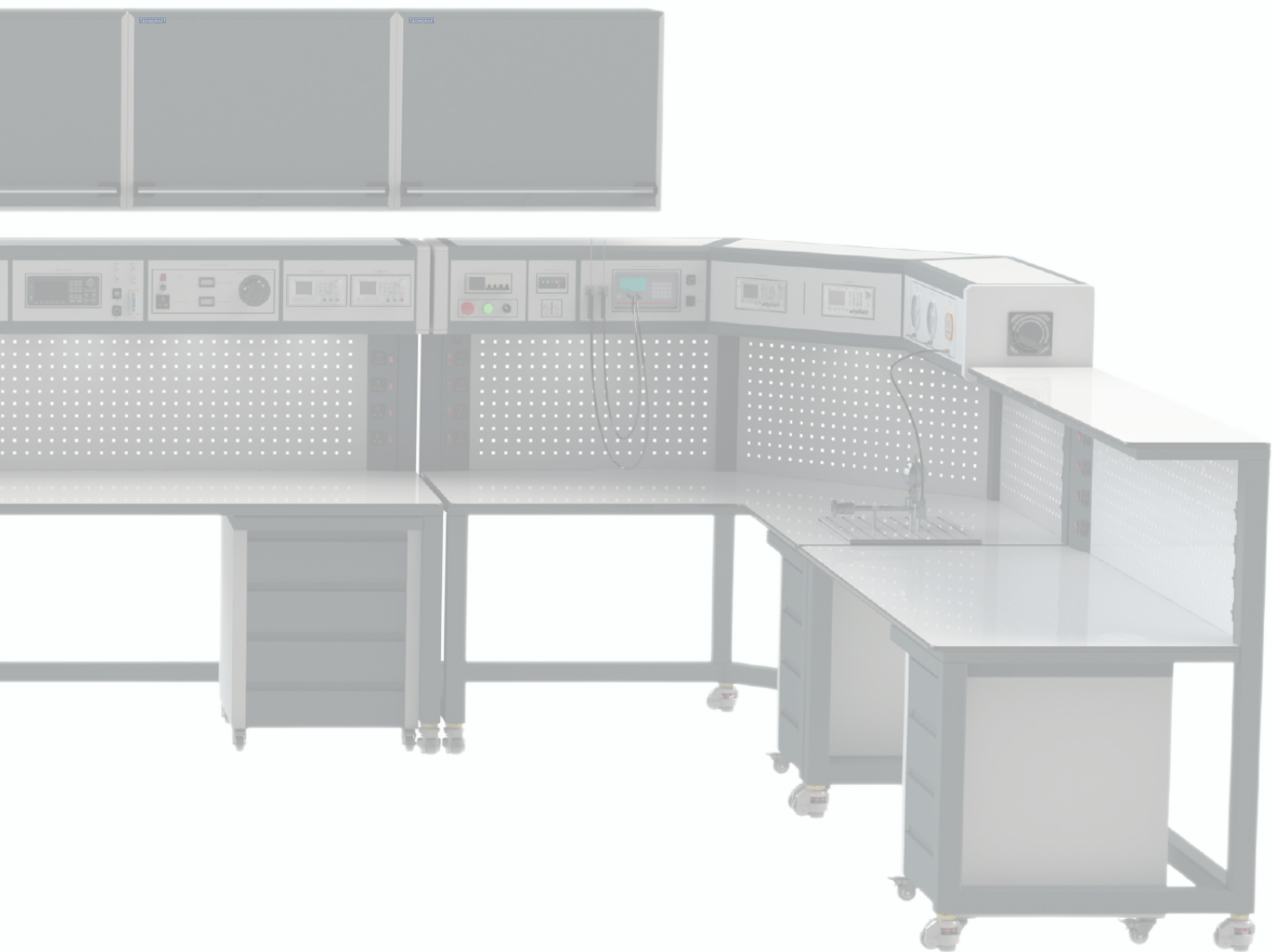


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ABOUT TECHCRAFT

Techcraft not only specializes in high-precision calibration-testing services but also offers end-to-end laboratory design and furnishing solutions. From advanced 3D layouts to immersive VR environments, we provide a comprehensive approach to build efficient and future-ready calibration or customized labs. Techcraft provide an ergonomic workstation for a comprehensive calibration program. They are designed for flexibility and wide workload. The modules deliver precision and performance for their dedicated use, and accompanying products complete the solution to ensure coverage of all end user requirements.





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ESD Heavy-Duty (Calibration- Testing) Workbenches

ESD Heavy-Duty (Calibration – Testing) Workbenches

TEHCRAFT provides a compact and adaptable workspace designed for a wide range of test and measurement needs. Perfect for companies seeking an ergonomic and efficient calibration process, the system features a primary workstation capable of handling most testing demands. When used in industrial plant workshops, **TEHCRAFT** Workbenches act as a comprehensive solution, facilitating compliance with quality standards.

The system incorporates master instruments as modular units housed within a console positioned above the workbench. This design eliminates the need for multiple benchtop and portable testing devices. It caters to essential industrial parameters, such as electrical, pressure, temperature, process, and frequency, making it suitable for various industries.

At the heart of **TEHCRAFT** Workbenches are modules that integrate effortlessly into the console to meet specific application needs. The extensive module lineup includes electrical and process calibrators, pressure controllers, digital gauges, power supplies, oscilloscopes, and more. These modules are designed to streamline calibration workflows and enhance productivity by combining hardware and software to enable automation. With this capability, users can perform fast calibration runs, achieving quick turnaround times for lab instruments and devices.

TEHCRAFT ESD Workbenches are specifically designed to meet the requirements of IEC 61340-5-1, ensuring safe handling of electrostatic discharge (ESD) sensitive components. They are equipped with personal grounding tools, including ESD wrist straps, ESD footwear, ESD foot mats, grounding monitor and ionizers to maintain a static-free environment. Additionally, **TEHCRAFT** provides comprehensive EPA (ESD Protected Area) solutions, such as ESD flooring, grounding points for all conductive parts, and ESD markings to clearly define protected areas.

Furthermore, a broad array of complementary instruments and equipment is available to maximize system functionality, ensuring **TEHCRAFT** Workbenches deliver an efficient, safe, and adaptable solution for modern calibration and testing requirements.

Straight Workbench

Dimensions

Overall Dimensions: Width 1700 x Height 1460 x Depth 800 mm.

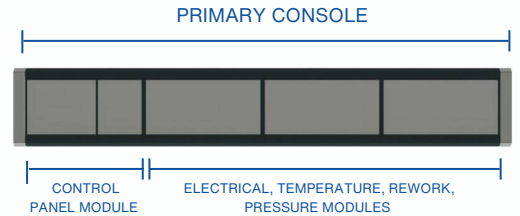
Weight: 100kg typical.

Primary Console: Width 1700 x Height 260 x Depth 350 mm.

Console Height from worktop: 450mm

ESD Worktop: Width 1700 x Deep 800 x Thickness 20mm.

Heavy Load Bearing (up to 800 kg U.D.L capacity)



Supply Connections

Electrical – The Primary console is powered from a single-phase mains supply via a heavy-duty type PCE industrial socket at the rear of the console.



Corner Workbench

Supply Connections

Electrical – The Primary console is powered from a single-phase mains supply via a heavy-duty type PCE industrial socket at the rear of the console.



Dimensions

Overall Dimensions: Width 1650 x Length 1650 x Height 1460 x Depth 800mm. Weight: 150kg typical.

Primary Console: Width 1650 x Length 1650 x Height 260 x Depth 350 mm.

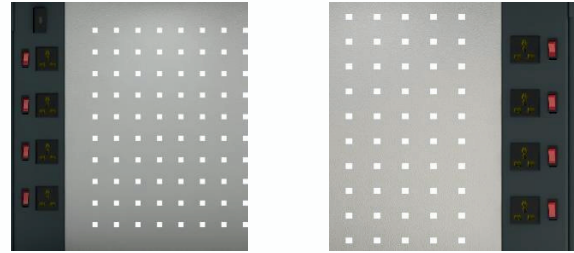
Console Height from worktop: 450mm

ESD Worktop: Width 1650 x Length 1650 x Deep 800 x Thickness 20mm.

Heavy Load Bearing (up to 800 kg U.D.L capacity)

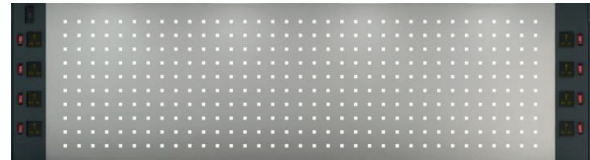
Power Socket input:

Equipped with 8 MK electrical power sockets and 1 USB port, seamlessly integrated into the left and right sides of the structure for convenient access and functionality.



Tool Hanging Panel

Designed with a heavy-duty steel perforated tool hanging panel, featuring an anti-corrosion finish for durability and efficient tool organization.



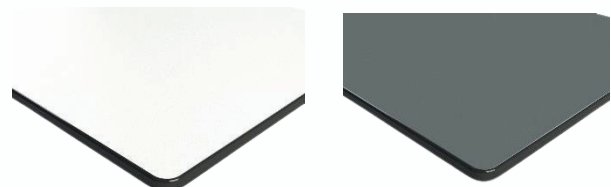
Lighting

TEHCRAFT Workbenches are equipped with 4 integrated LED lights, ensuring excellent workspace illumination.



ESD Worktop

The worktops are constructed with durable, high-quality laminates, featuring shock-resistant edging and a chipboard core. They are equipped with a grounded rubber mat to ensure ESD safety. Designed for superior load-bearing capacity, these tops also offer excellent resistance to water, oils, and chemicals. Available in two colors: Light Grey and Iron Grey.





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Calibration - Testing Workbench Packages

ESD Straight Electrical Calibration and Testing Workbench

Ideal for electrical calibration and testing tasks requiring a straightforward, ergonomic setup.

- Dual DC Power supply
- Digital Oscilloscope
- Function Generator
- Ground Monitor Tester
- Control Panel



ESD Straight PLC Testing and Calibration Workbench

Tailored for programmable logic controller testing and calibration.

- PC Control Panel
- DC Power supply
- Soldering/ Desoldering Station
- Control Panel
- Display Monitor



ESD Rework and Testing Straight Calibration Workbench

Designed for precision rework and calibration in straight-line configurations.

- Dual DC Power supply
- Soldering Station
- Digital Multimeter
- Ground Monitor Tester
- Control Panel



ESD Corner Electrical Calibration and Testing Workbench

Space-efficient corner workstations for calibration in confined spaces.

- Dual DC Power supply
- Digital Oscilloscope
- Function Generator
- Ground Monitor Tester
- Control Panel



ESD Rework and Testing Corner Workbench

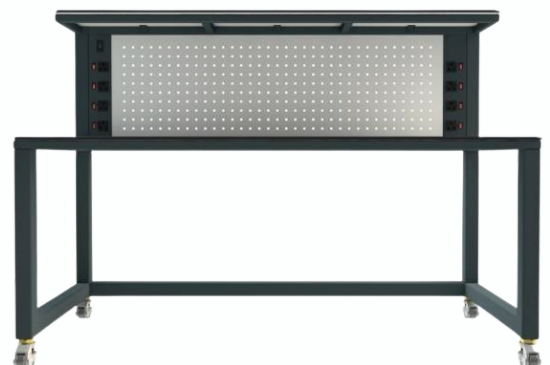
ESD Rework Corner Calibration Workbench: Optimized for rework and repair tasks in corner layouts.

- Dual DC Power supply
- Soldering/ Desoldering Station
- Soldering Station
- Digital Multimeter
- Control Panel



ESD Workbench with Shelf

- Offers additional shelving for convenient storage and accessibility of tools and equipment.



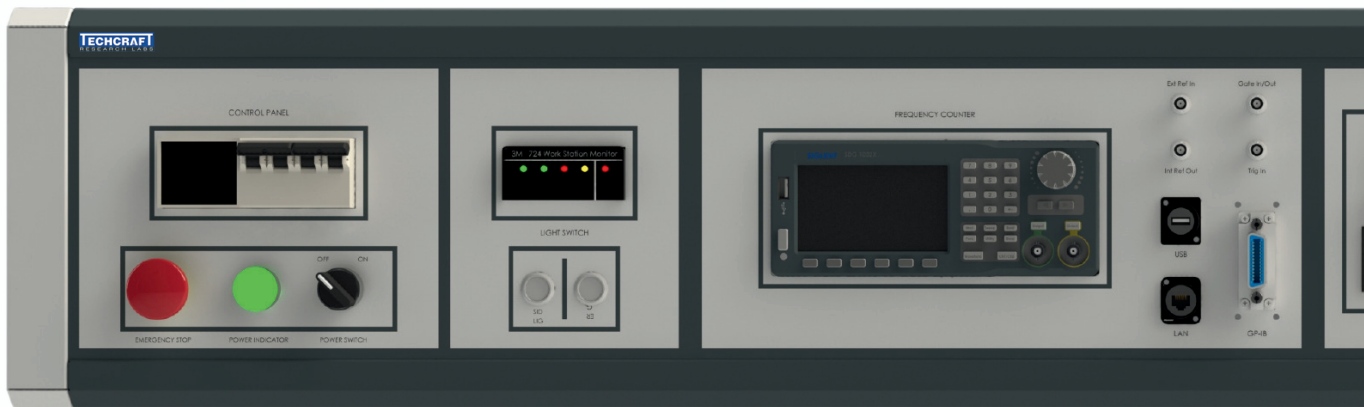


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Modules for Calibration, Testing & Repair Work





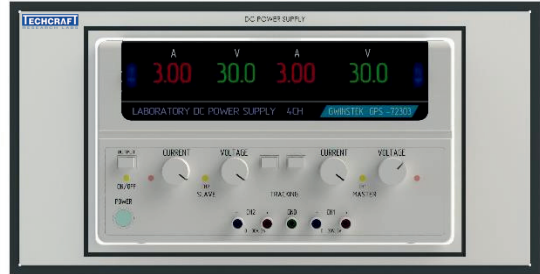
The **TECHCRAFT** Workbench can be customized with a variety of modules tailored to different applications. These modules integrate seamlessly into the consoles, ensuring an optimized workflow for users at the workstation.

As part of the configuration process, we collaborate closely with each customer to select the most suitable modules for their specific workload. We assess your requirements and provide guidance on how each module can be effectively utilized within the system.

Our extensive module range includes power supplies, pressure and process calibrators, digital multimeters, oscilloscopes, function generators, soldering stations, and more, offering versatile solutions to meet diverse needs.

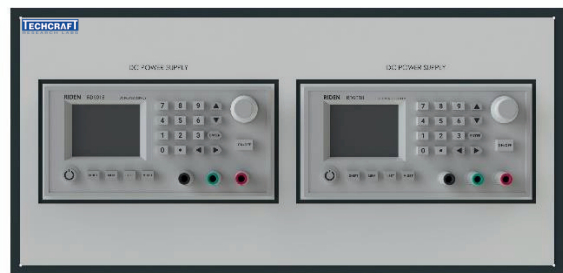
Adjustable DC Power Supply: 0 to 30-volt DC

A high-performance triple-output DC power supply featuring two 0-35V/0-4A outputs and one fixed 5V/2A output. It offers exceptional precision, low noise, and advanced digital controls, making it ideal for laboratory, educational, and industrial applications



Dual Adjustable 60V DC Supply

A versatile programmable DC power supply offering up to 60V and 6A output. Equipped with a clear LCD display, multiple control modes, and PC connectivity, it's ideal for electronics testing, prototyping, and hobbyist projects.



OSCILLOSCOPE

A 200 MHz, 2-channel digital oscilloscope with a 1 GSa/s sampling rate, deep memory, and advanced analysis features. Perfect for professionals and hobbyists requiring high performance and affordability for signal measurement and debugging.



Function Generator

A dual-channel, 60 MHz function generator offering a wide range of waveforms, precise frequency control, and advanced modulation capabilities. Ideal for testing and signal simulation in laboratories, research, and development.



DC Load

A 30V, 3A programmable electronic DC load with advanced features like constant voltage, current, and power modes. It is ideal for testing power supplies, batteries, and other DC sources in laboratory and R&D applications.



Frequency Counter

A high-precision 350 MHz frequency counter/timer with a 12-digit display, offering exceptional accuracy and versatility for measuring frequency, period, time interval, and other time-based signals. Ideal for laboratory, production, and field use in demanding applications.



ESD Soldering Station

A reliable and precise soldering station featuring adjustable temperature control (200°C to 480°C), a digital display, and a high-performance soldering iron, ideal for electronics assembly, repair, and prototyping.



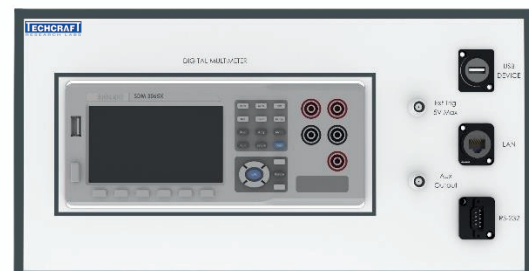
ESD Soldering/ De-soldering Station

A high-performance, modular soldering system featuring advanced SmartHeat® technology for precise and consistent temperature control. Ideal for electronics assembly and repair, it offers quick heat-up times, excellent thermal recovery, and long-lasting tip life.



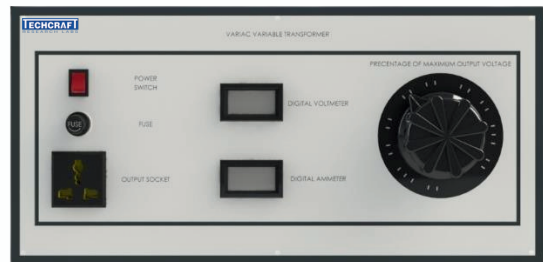
Digital Multimeter

A versatile and accurate digital multimeter with a wide measurement range, offering functions such as voltage, current, resistance, capacitance, and frequency measurement. Designed for both professionals and hobbyists, it features a clear display and robust performance for a variety of electrical testing tasks.



Adjustable AC Power Supply

A high-quality, adjustable AC voltage transformer with an output range of 0 to 130V and a power rating of up to 2.5 kVA. Featuring a clear LED screen for easy voltage monitoring, it provides precise control over output voltage, making it ideal for laboratory, testing, and industrial applications where reliable and stable voltage regulation is required.



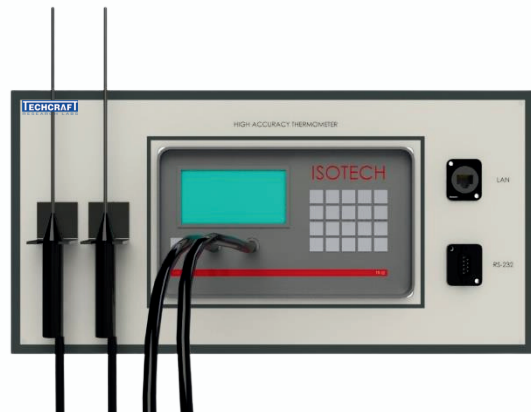
Pressure Calibration

It provides precise pressure and altitude simulation for testing and calibration of instruments. Standard Analog Pressure Gauge 0-600 PSIG: Accuracy: $\pm 2\%$ Full Scale Inspector Test Analog Pressure Gauge 0-600 PSIG: Accuracy: $\pm 0.5\%$ Full Scale Digital Pressure Gauge 0-500 PSIG: Accuracy: $\pm 0.25\%$ Full Scale



Digital Temperature Indicator

A high-accuracy digital temperature indicator with a wide measurement range (typically -50°C to 150°C). It features a clear LCD display, supports various sensors (e.g., thermocouples, RTDs), and offers excellent resolution (0.1°C or 0.01°C). Ideal for industrial, laboratory, and HVAC applications.



Main Power Control

A main power switch, a residual current circuit breaker with overcurrent protection (RCBO), and a light switch are included under the console. The emergency stop, mains inlet and lighting supply lines are filtered. The mains voltage is continuously monitored on a digital meter.





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Comprehensive Storage Solutions



TEHCRAFT provides a wide range of storage options for tools and Documentations to keep your lab organized, efficient, and clutter-free:

- **Tools and Documentation Cabinets:** Durable and spacious designs for secure storage.
- **Heavy- Duty Shelves:** Open or enclosed shelving systems for easy access and optimal organization.
- **ESD Tool Drawers:** Smooth-operating and sturdy drawers for efficient categorization.
- **Wall Mounted Cupboards with Lift-Up Doors:** Modern and space-saving designs by wall mounting for convenient storage and accessibility.
- **Wall mounted Perforated Tool-Hanging Panels:** Customizable panels to securely organize tools and equipment while maximizing workspace efficiency.

Tools and Documentation Cabinets

Tools Cabinets

- Size (W*D*H) mm: (1050) *(650) *(2000) mm
- Size (W*D*H) mm: (1300) *(650) *(2000) mm
- Lockable steel doors with perforated liner panel.
- 25mm multiplex shelf/worktop makes an enclosed workshop.
- Galvanized steel shelves, 160kg capacity on 1300mm width model and 100 kg on 1050mm.
- 75 kg capacity roller bearing drawers. Perforated and louvre back panels.



Documentation Cabinets

- Size (W*D*H) mm: (1050) *(550) *(2000) mm
- Size (W*D*H) mm: (1300) *(550) *(2000) mm
- Robust, welded steel housing.
- Galvanized Steel Shelves with 75kg capacity.
- 3-point locking doors with Perspex window.



Heavy- Duty Shelves

Heavy-duty shelves are made from high-grade steel, they offer excellent load-bearing robust and reliable storage solutions designed for industrial and commercial use. They are built to withstand heavy loads, making them ideal for warehouses, workshops, and retail environments,

Standard Dimensions

Height: Typically ranges from 2 meters to 12 meters, depending on the shelving system.

Width: Commonly between 900 mm to 1200 mm per shelf.

Depth: Varies from 300 mm to 600 mm, suitable for different storage needs. Custom sizes are also available to accommodate unique requirements.



Payload Capacity

Per Shelf: Supports between 200 kg to 1,000 kg, depending on the design and materials used.

Optimize warehouse space by utilizing unused areas, increasing storage capacity and operational efficiency. Reduce costs for various storage needs. Heavy-duty shelves enable easy storage and retrieval. These shelves are durable, capable of handling large loads, and can be customized with accessories to enhance functionality. They are versatile and can be relocated within the warehouse as needed.

ESD Tool Drawers

● 4 Drawer Unit integrated into Workbench

A suspended four drawer unit for use on **TEHCRAFT** Workbenches systems, making it suitable for storage of equipment, documents and tools.

- Includes 4 x 160 mm (height), drawers - 75 kg
- UDL per drawer
- Reinforced, welded steel housing
- Finished with customized RAL no.
- Each drawer has recessed handles for flush finish
- Each drawer unit comes inlay matting as standard
- Dimensions: W 550 x D 550 x H 650 mm



● 4 Drawer Mobile Unit

An ESD 4 drawer mobile drawer unit that provides quality, functionality and storage. It can situate under the bench or re-position for increased leg space to have multiple bench operators. It can also be used around the workshop as required.

- Drawers (height): 4 x 160 mm.
- Overall size: W 550 x D 550 x H 650 mm
- Industrial grade castors for mobility around lab/workshop
- ESD, Finished with customized RAL no.
- Frame material: powder-coated steel
- Optional drawer divider kits available
- For positioning under **TEHCRAFT** Workbenches



Wall Mounted Cupboards with Lift-Up Doors

TEHCRAFT also offers Modern and space-saving designs by wall mounting for convenient storage and accessibility, it comes with the following specifications:

- Overall size: W 850 x D 325 x H 600 mm
- Lockable steel cupboards with lift- up door.
- Perforated back panels.
- Compact 325mm deep, 600mm high.
- Optional galvanized shelves.



Wall mounted Perforated Tool-Hanging Panels

TEHCRAFT offers Customizable panels to securely organize tools and equipment while maximizing workspace efficiency.

- Fully flanged and reinforced to aid rigidity.
- Reinforced mounting points.
- Powder coated with customized RAL no.





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Heavy-Duty Workstations & Meeting Tables



TEHCRAFT offers a wide range of customized heavy-duty workstations tailored for mechanical and heavy-duty applications:

- Heavy-Duty Workbench
- Heavy-Duty Working Table
- Heavy-Duty Workbench with Wall-Mounted Features
- Heavy-Duty Mechanical Workbench

Heavy-Duty Workbench

- Overall size: L 2000 x W 800 x H 870 mm
- Features a robust worktop made from a combination of slip-proof aluminium sheet and rubber mat for maximum durability and safety.
- Designed for stability and can be securely fixed to the floor to ensure a steady workspace.



Heavy-Duty Working Table

- Overall size: L 2400 x W 1200 x H 903 mm
- Comes with integrated 4 drawers and 4 cabinets for organized tool and equipment storage.
- Includes perforated tool-hanging panels on the sides for easy access to frequently used tools.
- Equipped with power electrical sockets for convenient use of powered equipment.
- Designed with a **heavy-duty ESD worktop** to protect sensitive electronic components during assembly or repair tasks.
- Provided with height height-adjustable legs



Heavy-Duty Workbench with Wall-Mounted Features

- Overall size: W 2550 x D 800 x H 750 mm
- Includes a **wall-mounted perforated tool-hanging panel** and **wall-mounted cupboards with lift-up doors** for efficient use of vertical space.
- Features **drawers** and built-in **power sockets** for added functionality.
- Designed with a **heavy-duty ESD worktop** to protect sensitive electronic components during assembly or repair tasks.



Heavy-Duty Mechanical Workbench

- Overall size: W 2550 x D 800 x H 903 mm
- Equipped with 8 MK electrical **power sockets**, seamlessly integrated into the left and right sides of the structure for convenient access and functionality
- Built with **integrated drawers and cabinets** for secure storage.
- Includes **cupboards with lift-up doors** and a perforated tool-hanging panel for organized tool access.
- Features a durable **heavy-duty wooden worktop**, making it ideal for mechanical and heavy-duty tasks.
- Enhanced with three integrated **LED lights**, providing ample illumination for precision work.
- Provided with height height-adjustable legs



Heavy-Duty Meeting Table

- Overall size:
L 3000 x W 1200 x H 750 mm
- Robust and stylish tables designed to facilitate discussions, collaborations and team meetings within the lab environment.
- Designed for durability and functionality, perfect for use in collaborative lab or workshop settings.
- Customizable features such as integrated power outlets, cable management systems, and a rugged work surface capable of withstanding heavy use.
- Built to facilitate team discussions and planning while complementing the workspace's heavy-duty aesthetic.
- Comes with Power sockets, HDMI, VGA Port, USB port, Audio port.





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Controlling Stations

Rugged Command and Control Console

- Designed for demanding environments, this console includes:
- Integrated Screen Monitors for seamless multitasking and monitoring.
- Integrated Keyboard with a trackball for precise navigation.
- Controlling Joystick for enhanced command functionality.
- Built for durability, functionality, and reliability in critical operations.



Customized Mobile Control Station

A portable control station designed as a durable case with:

- Integrated Monitoring Screen for on-the-go operations.
- Heavy-Duty Keyboard for reliability in demanding environments.
- Controlling Switches for operational flexibility and control.





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**Labs & Workshops Design for
Calibration & Maintenance**

The design process begins with a thorough understanding of the end user's requirements and applications. Based on this information, the design team configures the appropriate **TECHCRAFT** packages and supporting instruments to meet the customer's specific needs.

Once the technical details are confirmed, we focus on determining the most effective layout to handle the required workload. This includes evaluating factors such as workflow, application types, engineer numbers, and storage requirements.

After finalizing the workspace dimensions, the virtual design phase begins. Using custom software, we create a comprehensive overview of the laboratory or workshop, incorporating essential calibration equipment, workbenches, storage units, and additional components. We then generate 3D visuals and videos to help end users visualize the design and experience their new workspace.

Each facility is designed with an emphasis on optimizing the calibration process, achieved through a combination of hardware and software. Techcraft modules and accompanying test instruments deliver the necessary functions.

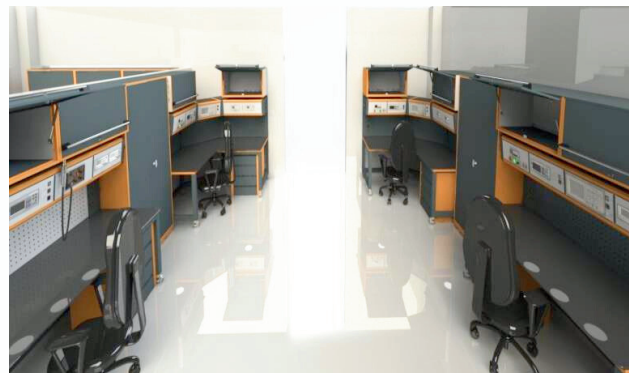


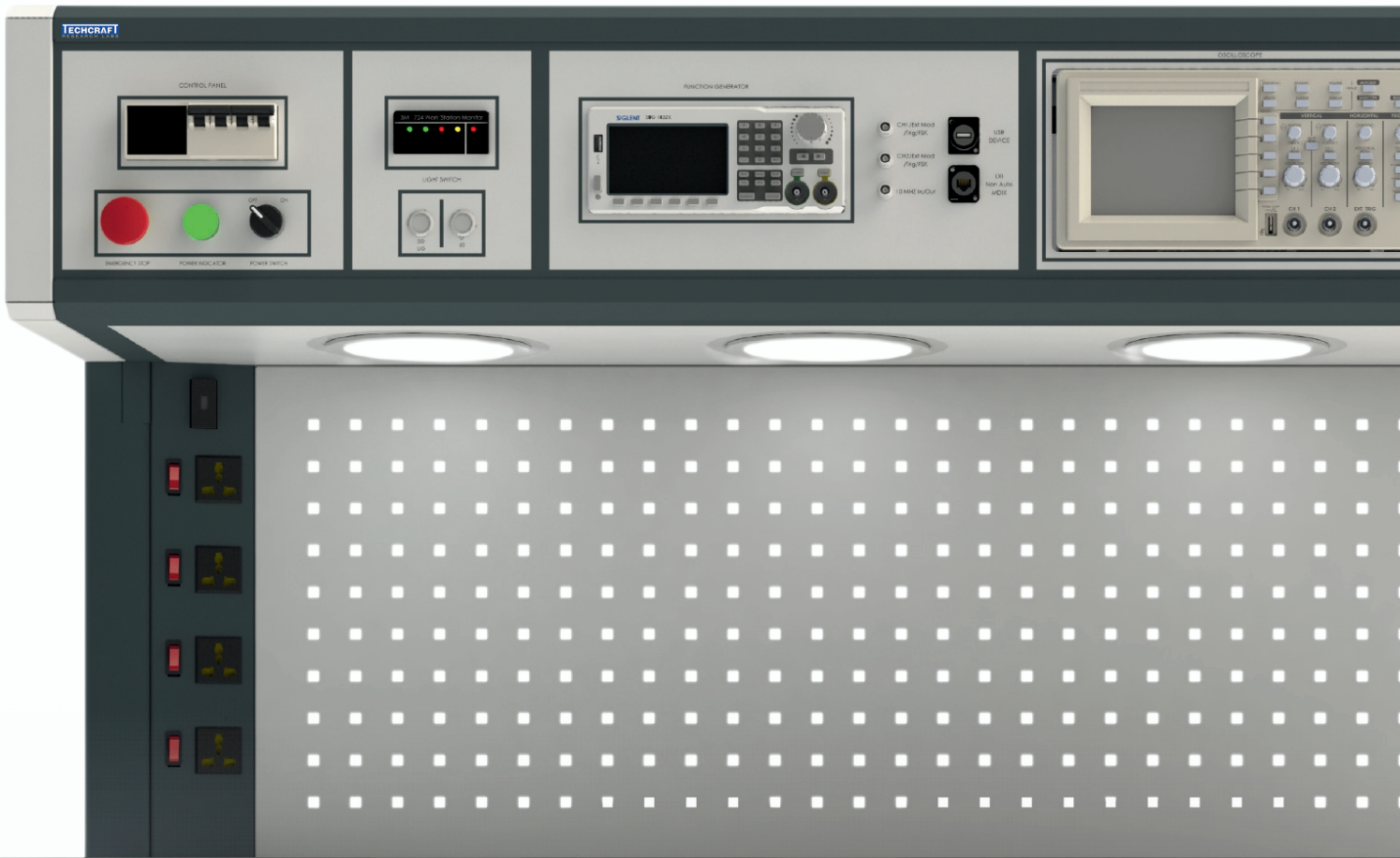
Workshops and Laboratories

Cutting-edge, premium-grade instrument and electrical workshops designed for industrial plants and facilities. The layout designs are fully customized to meet the end user's specific needs, featuring high-performance **TECHCRAFT** solutions for calibration, testing, repair and maintenance, and other applications. Each workshop is built to offer a durable, long-lasting solution, capable of withstanding rigorous use in demanding environments.



- Instrument and electrical workshops for industrial plants
- **TECHCRAFT** Workbenches serve as the central hub for test and measurement
- Turnkey designs that optimize workflow and streamline applications
- Heavy-duty workshop furniture and solutions designed for durability
- Fully customizable to meet end user requirements Incorporates task-specific furniture, tools, and machinery
- Smart storage solutions for tools and equipment
- Versatile and adaptable for a variety of applications
- Installation, commissioning, and training services available





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