

PRODUCT CATALOGUE

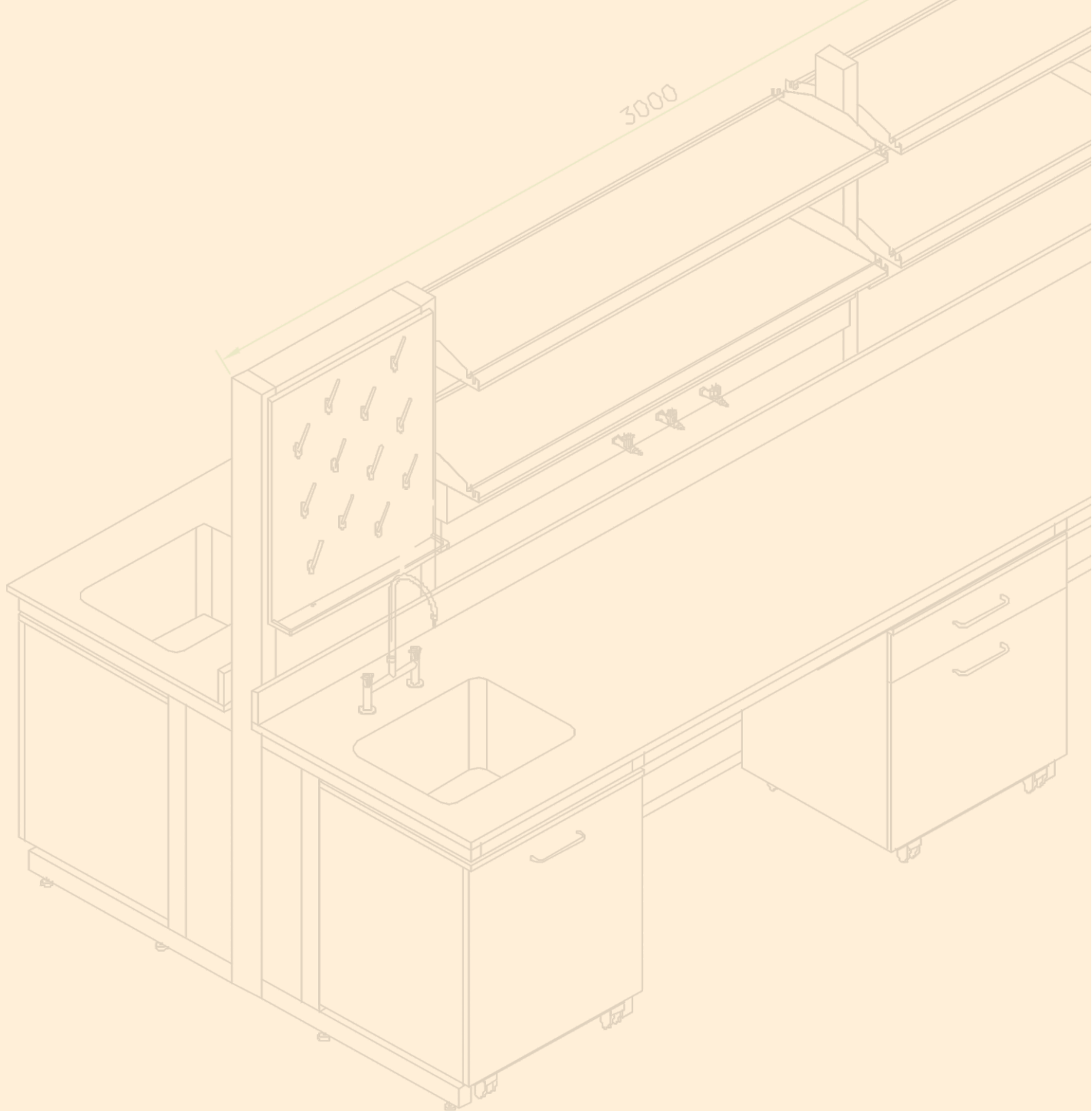


Laboratory Equipments



High quality re-configurable modular benches





...Solutions for Science

Products

Laboratory Furniture & Fittings
Petroleum Testing Instruments
Laboratory Equipment
Chemical & Regents
Technical Teaching Units
Power Storage Systems/Inverters

Services

Manufacturing
Sales
Maintenance
Installation
Training

Contact

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COMPANY PROFILE

Chibek Instruments Limited is a modern enterprise specializing in laboratory plan, design, production, installation and after sales services. Our company's head office is located in Lagos with a production facility covering an area of approximately 10,000m². Our products are in various series including all-steel, wood & steel furniture, fume hoods, laminar flow systems, lab storage cabinets, and other lab accessories and fittings.

Our company also supply, install and service scientific and engineering equipment from top world brands such as Thermofisher, Analytik Jena, Carl Zeiss, Edibon, Konik, Horiba etc.



Corporate Head Office



Our Team



Installation



Equipment Support & Service Centre

Products

Laboratory Furniture & Fittings
Petroleum Testing Instruments
Laboratory Equipment
Chemical & Regents
Technical Teaching Units
Power Storage Systems/Inverters

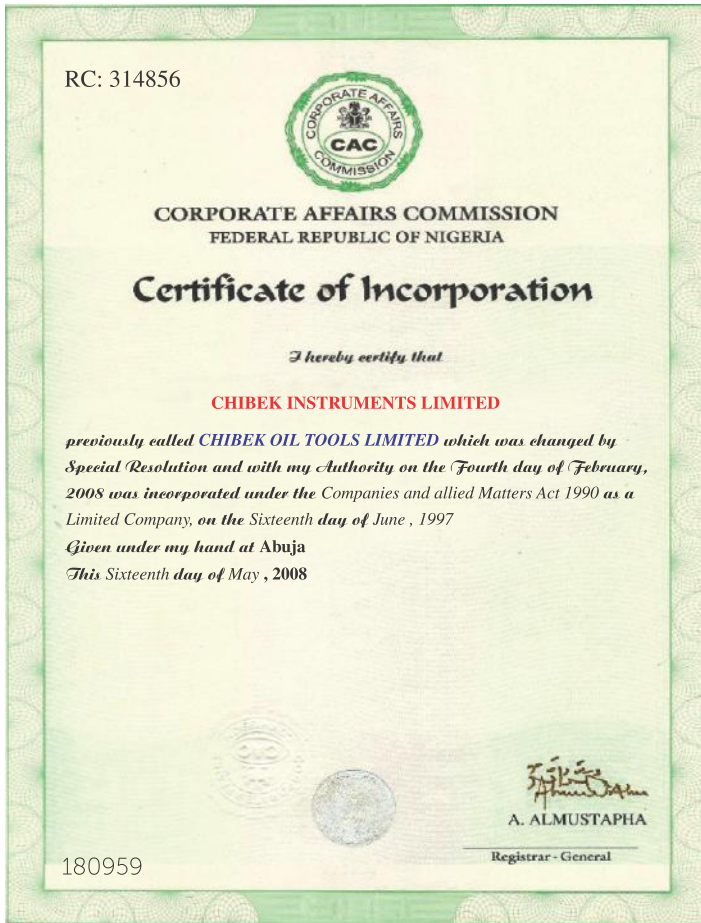
Services

Manufacturing
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CERTIFICATION



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CERTIFICATION


FEDERAL REPUBLIC OF NIGERIA
PERMIT TO OPERATE AS AN OIL INDUSTRY
SERVICE COMPANY
SPECIAL CATEGORY

PERMIT NO. **R.7081/2014**

This Permit is hereby granted to

CHIBEK INSTRUMENTS LIMITED

.....
(Name of Company)

of **12, CHRIS AKINRO CLOSE, OFF AGUNGI ROAD, LEKKI, LAGOS**

STATE

.....
(Address of Company)

to render the service to the Oil Industry in the Category listed hereunder:

Category **EQUIPMENT/MATERIAL SUPPLY SERVICES: SUPPLY AND
MAINTENANCE OF LABORATORY TESTING EQUIPMENT**

.....

2. Date of Issue: **22nd** day of **August** 20 **14**

Fee paid: ₦ **25,000.00**

3. Validity: 12 months from date of issue.


.....
Director of Petroleum Resources

This permit does not cover "Supply of Expatriate Manpower" in any guise.

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FURNITURE OVERVIEW



C-frame laboratory benches



Fume Hood



Chemical Storage Cabinet



Laboratory Rack



Biosafety Cabinet

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LAB FUME HOOD



POLYPROPYLENE FUME HOOD

Polypropylene fume hood has the characteristics of resistance to strong acid and alkali and anti-corrosion, and it has overcome the defects of conventional fume hood in the environment of concentrated acid such as rusting, yellowing and cracking.

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COMBINED FUME HOOD

Space has been extended. It furnishes more space for operating and instruments. Space has been used to reach its maximum by reasonable space combining



MENDING WIND FUME HOOD

Mending air from outside. It can avoid high negative voltage and stabilize temperature in chamber. In addition, air purification device can be installed to improve the clear class for experiment environment.



C-Frame

C-frame is more flexible with simple structure.

It selects 40x60/30x30mm square steel, phosphating and pickling treatment surface, epoxy resin powder paint, no prominent section-block, smooth charm, outstanding acid-proof and alkali-proof performance.

Stainless steel and rubber adjustable feet. It's damping-proof, slippery-proof, corrosive-proof, . It's with shock absorbing function and with better weight bearing. The adjustable height is 30-50mm and its bearing capacity can reach above 150KG.

C-frame can choose suspended cabinet and push drawer structure. They are easy to be cleaned, assembled and disassembled.

Worktop can choose lab-grade phenolic resin, Trespa, epoxy resin, ceramic etc exclusive table material.

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ALL STEEL LAB BENCH

C-Frame



Mobile Unit Cabinet



ALL STEEL LAB BENCH

It's designed by CAD and digital-precision made. As a single unit, it can be assembled with a better formation to fit into your lab space. It's with good weight bearing, long lifetime and excellent cost performance. It can meet your space requirement for laboratory.

The workstation body is using selected 1.0mm thickness first-class cold/galvanised steel sheet, automatic skimmers forming, phosphating and picking treatment for surface, epoxy resin powder, no prominent section block, smooth charm, outstanding acid-proof and alkali-proof performance.

Worktop can choose lab-grade phenolic resin, Trespa, epoxy resin, ceramics etc. exclusive table materials.

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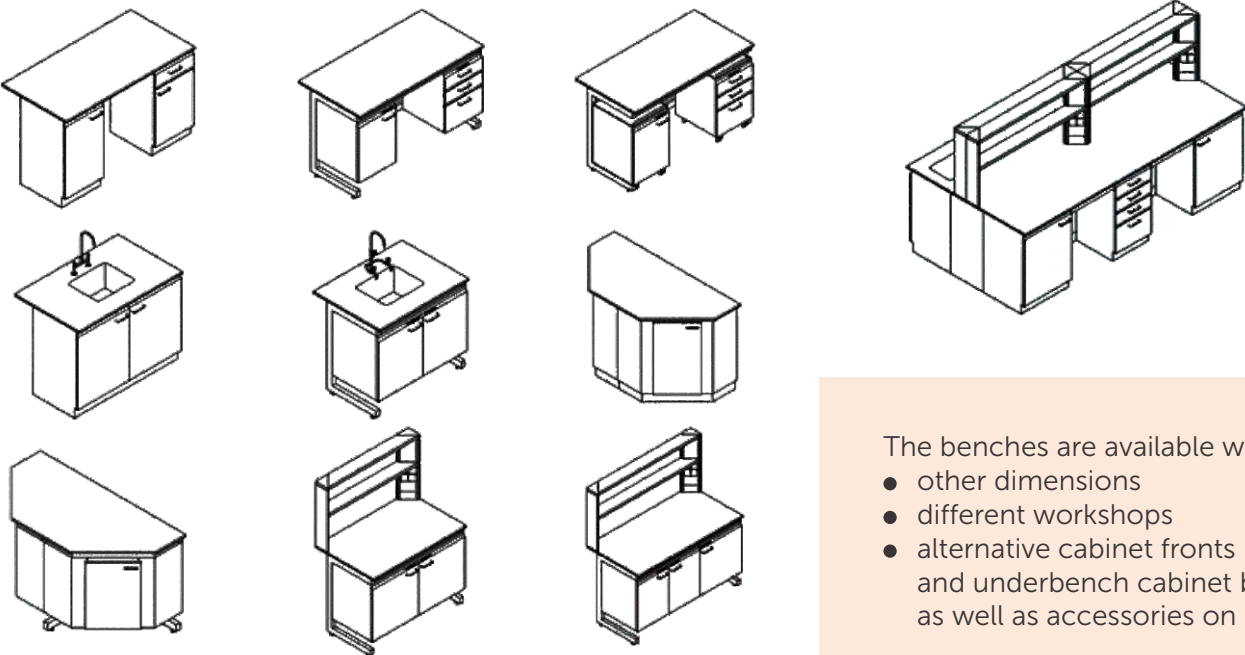
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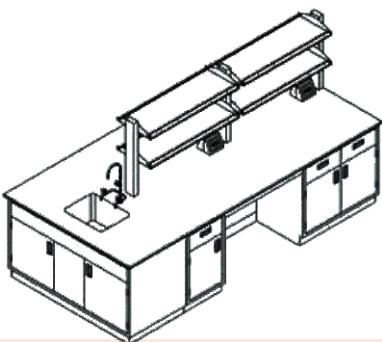
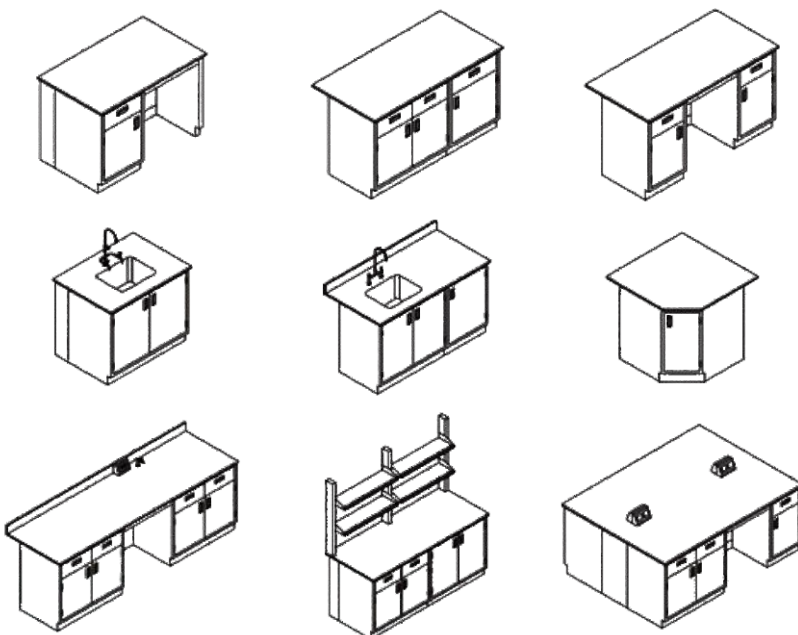
ALL STEEL LAB BENCH

C-Frame



The benches are available with

- other dimensions
- different workshops
- alternative cabinet fronts and underbench cabinet bases as well as accessories on requisition.



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- different workshops
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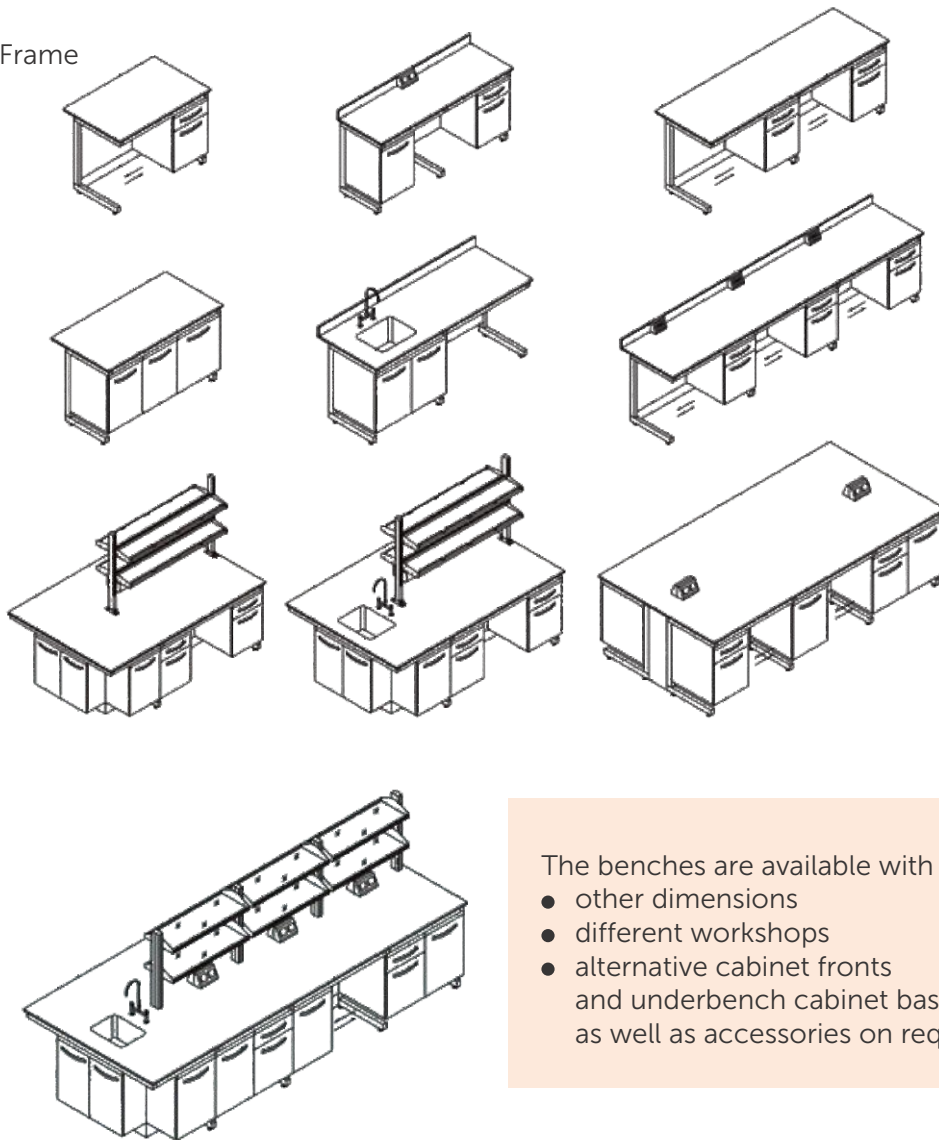
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STEEL AND WOOD LAB BENCH



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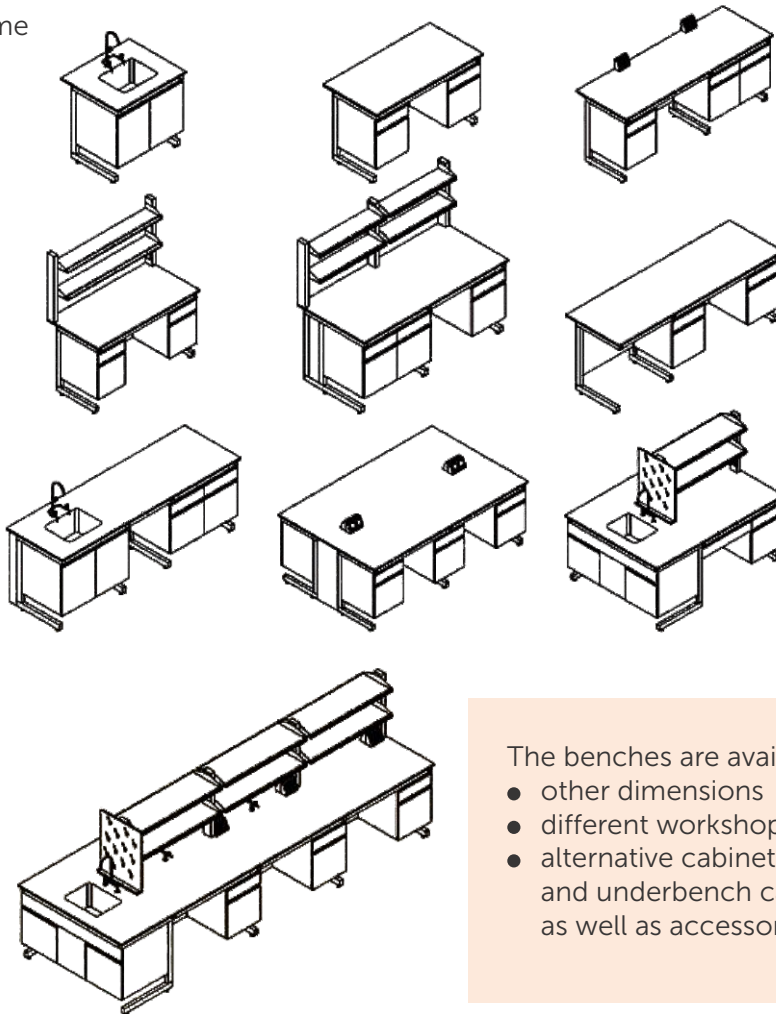
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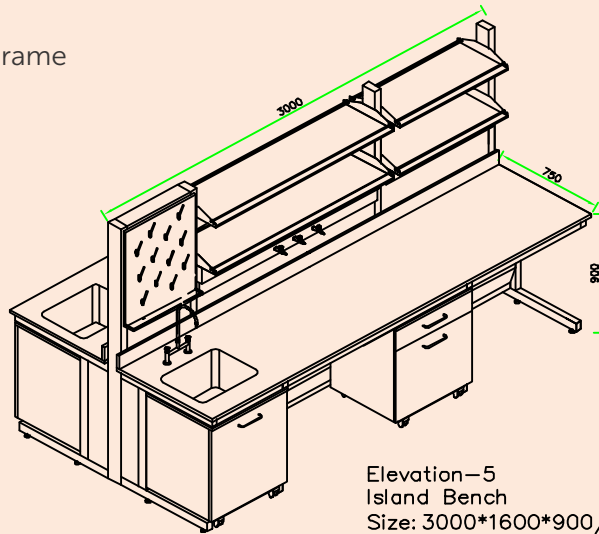
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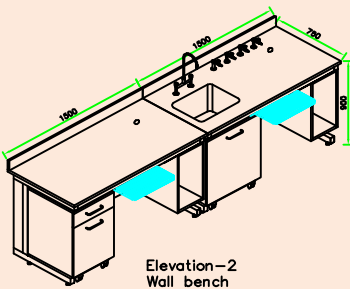
Contact

Phone: 01 2904240, 01 4406280,
08033249988, 08067214507
Email: sales@chibek.com,
chibek_oilttools@yahoo.com
Website: www.chibek.com

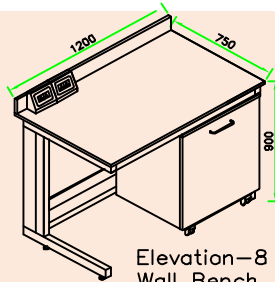
C-Frame



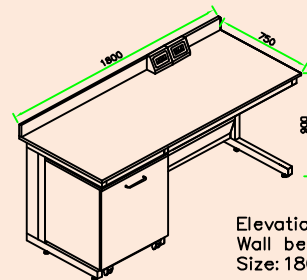
Elevation-5
Island Bench
Size: 3000*1600*900/1900mm



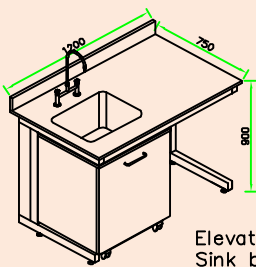
Elevation-2
Wall bench
Size: (1500+1500)*750*900mm



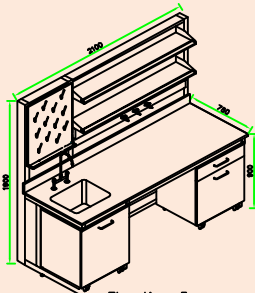
Elevation-8
Wall Bench
Size: 1200*750*900mm



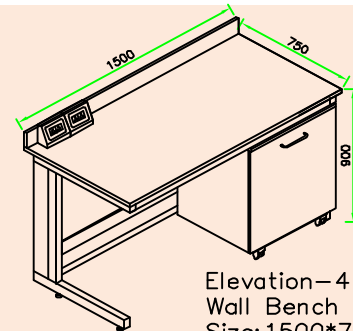
Elevation-12,14
Wall bench
Size: 1800*750*900mm



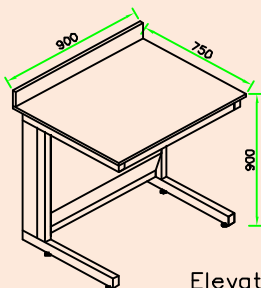
Elevation-3
Sink bench
Size: 1200*750*900mm



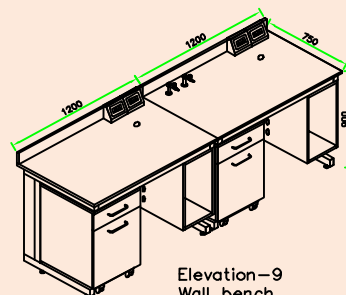
Elevation-5
Wall Bench
Size: 2100*750*900/1900mm



Elevation-4
Wall Bench
Size: 1500*750*900mm



Elevation-6
Wall bench
Size: 900*750*900mm



Elevation-9
Wall bench
Size: (1200+1200)*750*900mm

Products

Laboratory Furniture & Fittings
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Services

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STEEL AND WOOD LAB BENCH

H-Frame



H-frame Wall Cabinet

H-Frame

The Steel & Wood lab bench includes two kinds of structure. H-frame works better with heavy bearing.

It selects 40x60/30x30mm square steel, phosphating and pickling treatment surface, epoxy resin powder paint, no prominent section-block, smooth charm, outstanding acid-proof and alkali-proof performance.

Stainless steel and rubber adjustable feet. It's damping-proof, corrosive-proof. It's with shock absorbing function and with better weight bearing. The adjustable height is 30-50mm and its bearing capacity can reach above 150KG.

Steel H-frame can meet the requirements of using large-scale precision and can hold more than 500KG weight.

Worktop can choose lab-grade phenolic resin, Trespa, epoxy resin, ceramic etc exclusive table material.

Products

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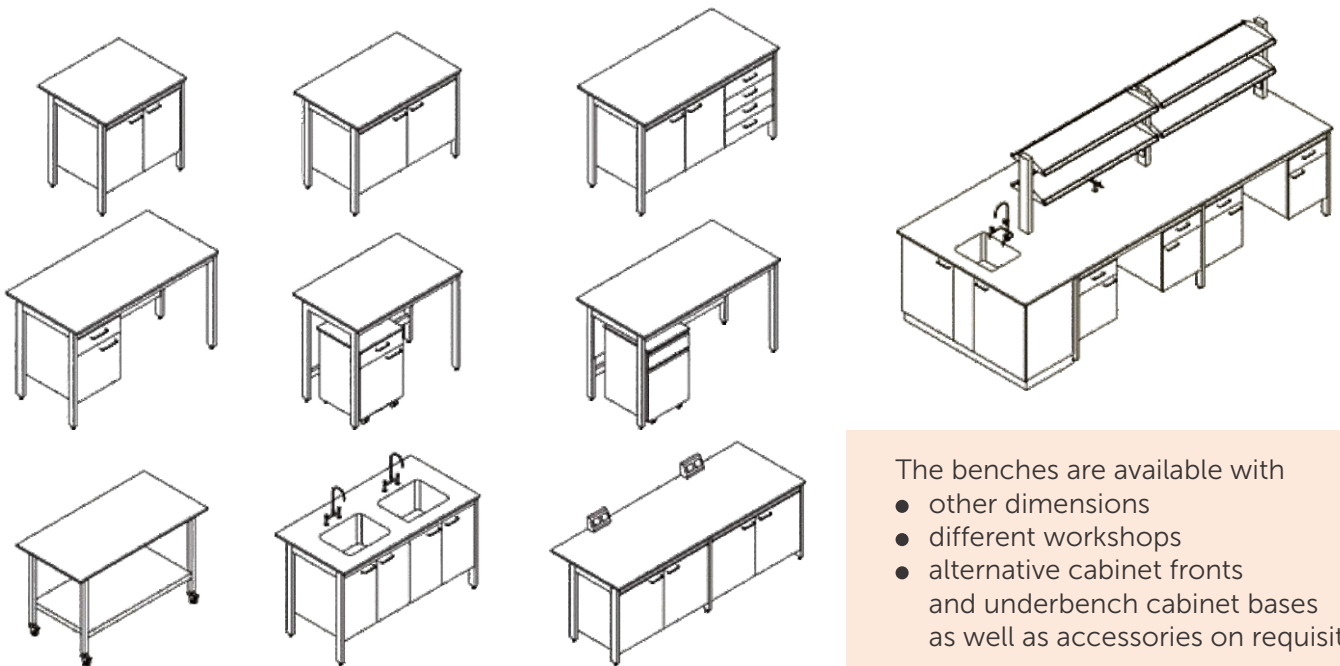
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STEEL AND WOOD LAB BENCH



H-Frame



The benches are available with

- other dimensions
- different workshops
- alternative cabinet fronts and underbench cabinet bases as well as accessories on requisition.

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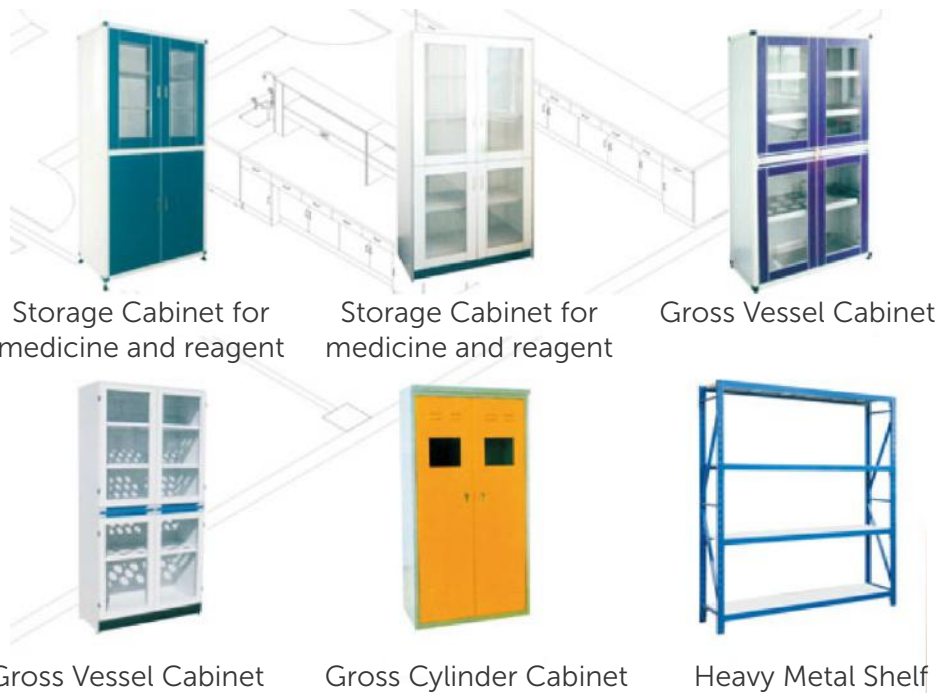
STORAGE CABINET



Storage cabinet for dangerous goods

Made of double layer thickened steel plate. It's anti-explosion, anti-radiation and high-temperature insulation.

- Concision Chemical Storage Cabinet
- Storage Cabinet for Dangerous Goods
- Storage Cabinet for Medicine and Reagent
- Glass Vessel Cabinet
- Gas Cylinder Cabinet



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Laboratory Worktop

When you select worktop kind for laboratory, please make best choice after considering about their chemistry, physics features and related factors for various worktops according to laboratory attribute and their features.

There are various kinds of Worktops for your selection except the kinds as below:

Attributes	Lab-grade phenolic resins worktop	Epoxy resin worktop	Ceramic worktop
Ingredient	Dipping phenolic resin into special multi-layer kraft paper, it's hot-solid formed under high temperature and pressure	Quartz sand and epoxy mixed with special bond.	Combined clary, kaolin and feldspar mixed with many special material.
Corrosive-resistance	It's resistant to many kinds of acid, alkali, solvent and reagent etc.	It's resistant to many kinds of acid, alkali, solvent and reagent etc.	Excellent
Heat-resistance	Normal 135°C It couldn't touch flame directly	600°C heat resistance	1000°C heat resistance
Colour	Black, gray, dark green	Gray, gray, green	Black, gray, white, green
Worktop thickness	12.7mm, 16mm, 19mm	16mm, 19mm, 25mm	20mm
Water-resistant	Water absorption 0.6%	Water absorption 0.008%	Excellent
Physics feature	Good	Good	Excellent
Forbidden Reagent	There are little defects after meeting with 65% nitric acid. chromic acid, hydrofluoric acid. There are defects after meeting with 98% sulfuric acid.	There are defects after meeting with 90% sulfuric acid, cleaning solution of heavy chromic acid. 40% Chromic acid. 50% sodium hydroxide.	—
Test Method	For medicine with fixed hydrocarbon: dripping it on the worktop directly; For medicine with volatility: Infiltrating it into absorbent cotton till saturated state and touching with desktop. after that it should be covered by visual glass or jar; Above medicine should be placed on the desktop at 25°C room temperature. after 16 to 25 hours the desktop should be washed with soap and water. At last it can be tested and evaluated when the desktop is dried.		

LABORATORY ACCESSORIES AND FITTINGS

Lab Faucet



Lab Sink



Products

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LABORATORY ACCESSORIES AND FITTINGS

Lab Chair



PAN



Power Supply



Mobile Cart



Fume Extractor, Pegboard



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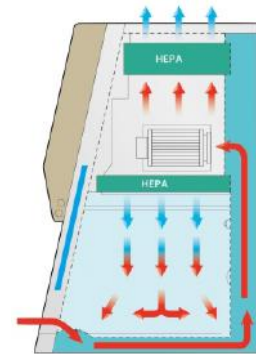
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BIOSAFETY CABINET

The Biosafety Cabinet is a safety device to protect the personnel, environment and product. It is the most commonly used containment device for work with biohazardous agents or materials. During operations, it helps avoid exposure to possible infectious aerosols and spills for the operation of experimental material of bio-hazardous, nature microbial strains or clinical diagnostic inspection sample. This Biosafety Cabinet is widely used in biological experiments the most important barrier (Primary Barrier) and frontline defense for the safety of the operator. Biological safety cabinets that are installed, certified, and used correctly offer user, environmental, and product protection from biohazards.

Class II type A2 Biosafety Cabinets currently dominate the market in popularity among all Biosafety Cabinets. They are designed to work with agents that require Biosafety Level 1 - 3 containment and minimize hazards. A2 Biosafety Cabinets maintain negative pressure environments inside the cabinet during operation to prevent the contaminants from escaping the work area to protect the employees. To protect the product, approximately 70% of the room air is pressurized by the blower and forced through the supply HEPA filter prior to entering the work area. Finally, the remaining 30% of air is filtered through an exhaust HEPA filter. The sterile air finally exits the cabinet and is released back into the environment.

Application areas: Hospitals, Universities, Research Centers, Pharmaceutical Companies and Biological / Life Science laboratories.



Products

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ISO 4-8 CLEANROOMS



Hardwall Cleanrooms

- Holds positive or negative pressure
- Chemical- and static-safe panel materials
- ValuLine™ option available



Soft wall Cleanrooms

- Economical dissipative vinyl strips and curtains
- No pressure control (may not meet ISO 4/5)
- ValuLine option available



Hybrid Cleanrooms

- Economical dissipative vinyl curtains
- Holds positive or negative pressure
- Smooth, easy-clean internal surfaces

ISO 4-8 BIO-PHARMACEUTICAL CLEANROOMS



BioSafe® Cleanrooms: Plastic Panels

- FM-approved FRP or C-PVC panels
- Ideal for aseptic processes requiring sterilization
- Free-standing modular rooms or existing room conversion



BioSafe Cleanrooms: Steel Panels

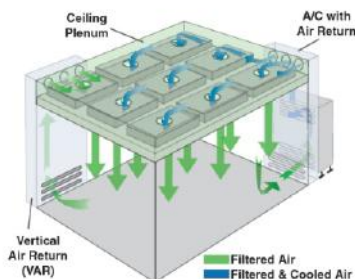
- Powder-coated or 304/316 stainless steel
- Radius corners for easy wipe-down, sterilization
- Configure for positive or negative pressure



USP 797-compliant Compounding Cleanrooms

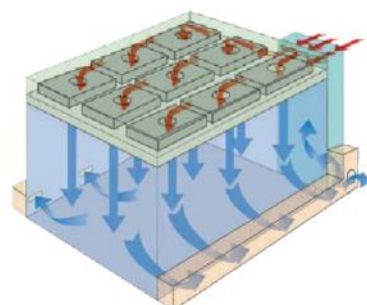
- ISO 8 Ante-room and ISO 7 Buffer room
- FM-approved FRP panels meet aseptic requirements
- Turnkey systems

SPECIAL APPLICATIONS



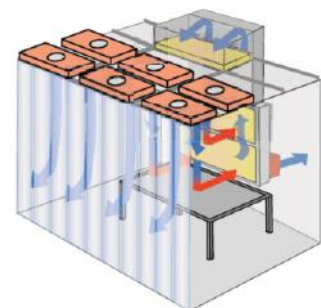
Temperature/Humidity Control

- Air conditioning modules interface directly to cleanroom
- Humidification/de-humidification solution
- Complete range of monitoring equipment



Ventilation/Containment

- Safe removal of fumes, vapors, dust
- Floor-mount and ceiling-mount exhaust fans
- BSL 1 and BSL 2 containment



Powder Containment Booth

- HEPA filtration/recirculation removes submicron particles
- Turnkey systems

Products

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MODULAR CLEANROOMS ACCESSORIES



Cleanroom Softwall Curtains and Strip Shields

These softwall curtains and strip shields are ideal for use with free-standing Softwall Cleanrooms. They can also be installed directly onto existing walls or ceilings using the versatile Grip-Track™ mounting system.



Aluminum Frame Sliding Door

This aluminum-frame door slides open along an extruded aluminum track to an opening of 36" (914 mm). Requires two 4-foot (1219 mm) panels for installation.

Aluminum Frame Swing Door

Aluminum frame with choice of acrylic or static-dissipative PVC panel and pneumatic closure.



Automatic Door

Similar to standard swing doors, but adds a touchpad activated opening mechanism for easy operation.



Strip Shield Door

Strip shields can be mounted in place of a standard door or 4-foot (1219 mm) hardwall panel at any location along the perimeter of the cleanroom.



Stainless Steel Swing Doors

Select 304 or 316 stainless steel frames for optimal cleanliness, durability, and chemical resistance.



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Removable Service Panel:

Allows convenient servicing of equipment installed inside the enclosure, with minimal disruption of the internal environment.

Partitions & Ante-Chambers:

Antechambers serve as contamination buffer zones; as staging areas; or as gowning areas. Partitions create multiple clean zones to meet varying cleanliness requirements inside a single cleanroom. This can be Acrylic, Dissipative PVC, Polycarbonate or Polypropylene.



CleanSeal High Speed Fabric Roll-Up Door

High speed, high performance roll-up door with non-porous, non-shedding, non-absorptive, and non-permeable PVC coated curtain.



CleanSeal Bi-Parting Door

Totally seamless molded fiberglass. Exceeds cGMP, FDA, and EMEA requirements. Non-porous, non-shedding, non-absorptive panel finish.



Cleanroom Dehumidification Modules

These low-maintenance systems feature silica gel desiccant housed in a rotor. Moisture in the process air passing through the rotor is adsorbed, producing a flow of dry air.



3-Phase High-Volume Exhaust Fan

This compact unit includes a 2410 RPM fan that provides 1420 CFM (2414 m³/hr) of exhaust flow at 0"SP (average velocity: 2,595 feet/minute (13 m/s),



The Bioquell® L2 Decontamination System

Ideal for rooms and enclosures up to 2600 cu. feet. It provides, fast, validatable decontamination cycles, with up to 6-log sporicidal reduction.



Duplex Power Outlets



Vacuum/Gas Connections



Keyless Door Entry Access Control System



Door Locks

Products

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LABORATORY EQUIPMENTS



Products

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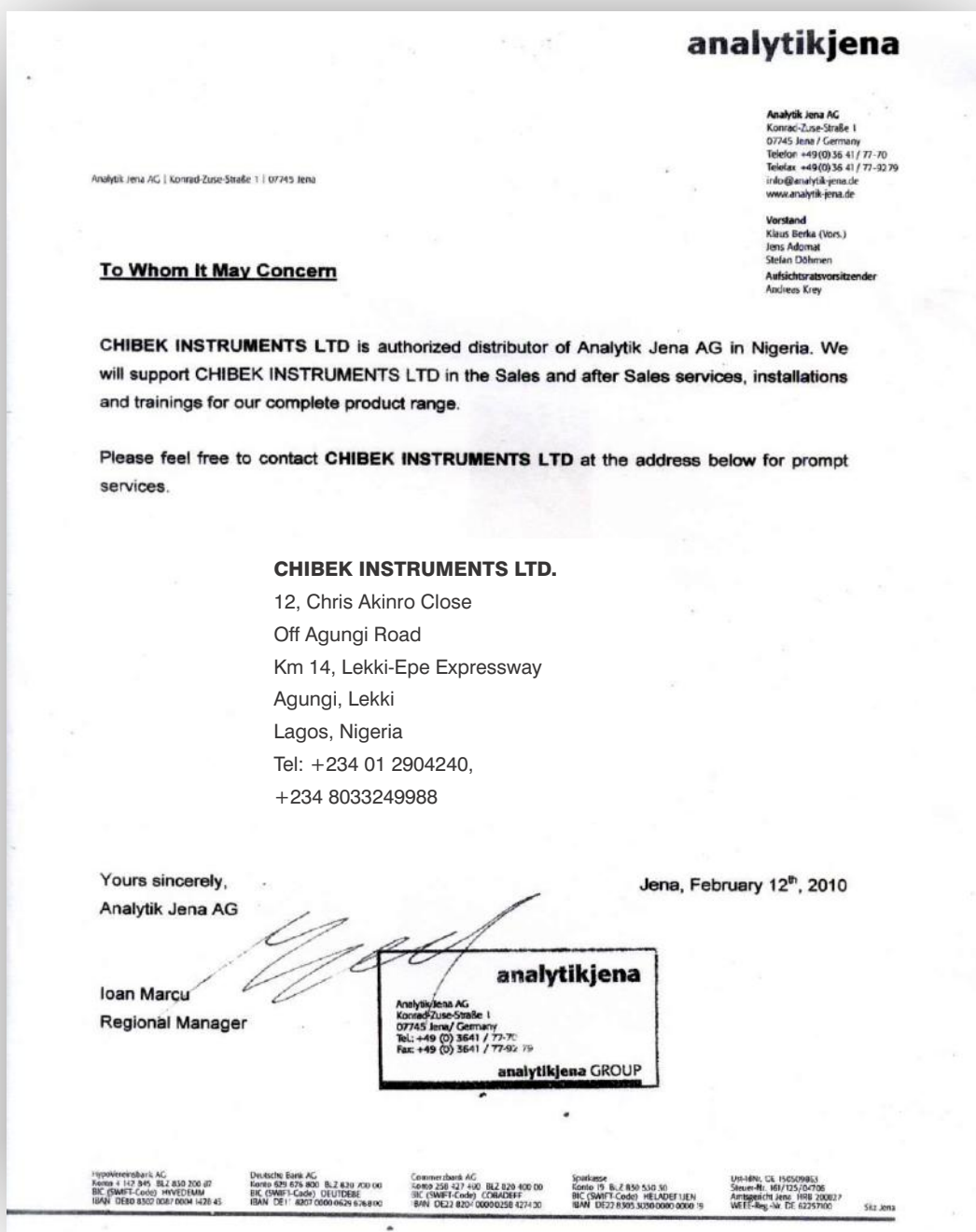
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ABOUT ANALYTIK JENA

Analytik Jena is a provider of instruments and products in the areas of analytical measuring technology, life science, and optoelectronics. Its portfolio includes the most modern analytical technology, complete systems for bioanalytical applications in the life science area, and high-end optical consumer products.

Comprehensive laboratory software management and information systems (LIMS), service offerings, as well as device-specific consumables and disposables, such as reagents or plastic articles, completes the Group's extensive range of products.



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ATOMIC ABSORPTION SPECTROMETERS

contraAA Series (300, 600, 700)



contraAA 300

is the High-Resolution Continuum Source Atomic Absorption spectrometer for flame and hydride Technique.



contra 700

is the High-Resolution continuum source atomic absorption spectrometer for flame, hydride, graphite tube and HydrEA technique.

ZEEnit Series (650 P, 700 P)



ZEEnit 650 P

is a high-performance absorption spectrometer for fully automated graphite AAS with Zeeman and Deuterium background correction.



ZEEnit 700 P

represents a new generation of variable compact tandem spectrometers for flame mode, hydride, HydrEA and graphite furnace technology. Able to analyze Liquid and solid samples in one and the same system.

novAA Series (350, 450 P)



novAA 350

represents fully automated flame system with double beam mode and automatic 8-lamp turret.



novAA 400 P

PC-controlled, fully automated compact spectrometer for flame Graphite furnace and hydride/HydrEA Technology.

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contrAA Series (300, 600, 700)



PlasmaQuant PQ 9000

is a high-Resolution Array ICP OES Instrument for the elemental analysis of demanding samples.

APPLICATION:

It is used in heavy duty industries facing samples like Saline, metallic or petrochemical materials.

Mercury Analyzers



Mercury

is a compact system specially optimized for the complete, cost-efficient determination of mercury traces

APPLICATION:

Environment, Medicine, Food, Geology, Industry, Research and Teaching

Optical Emission Spectroscopy



ICP-MS

The ICP mass spectrometers of the aurora series Offers class leading sensitivity, robustness and Flexibility.

APPLICATION:

Laser ablation, single particle analysis and isotope ratio determination.

Sample Preparation



TOPwave

is a versatile system offering A variety of digestion vessels, fulfilling all requirements of modern applications

APPLICATION:

Refinery, petrochemicals, mining

Products

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UV/VIS SPECTROPHOTOMETERS

UV/Vis spectroscopy is a method of molecular absorption spectroscopy with ultraviolet and visible radiation mainly on liquid samples measured in transmittance or absorbency.



SPECORD PLUS

Specord Plus means reliability, user friendliness and flexibility for precise, very easy and versatile UV/VIS analysis.

APPLICATIONS

Chemistry, pharmacy, medicine, food control, environment, life science.

APPLICATIONS

Quantitative (concentration via endpoint of substances or binding conditions).
Measurement or via Kinetic) Sample analysis

SPECORD S 600

This combines the precision and convenient handling needed in laboratories with speed, reliability and superior optical performance.



Antioxidant Capacity



PHOTOCHEM

is a solution for the quantization Of antioxidants in water soluble and lipi-soluble systems.

APPLICATIONS

Medicine, Cosmetics, pharmacy, Nutrition and food tech, Chemical Industry Naturopathy, Agric and forestry.

Products

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TOC/TNB: MULTI N/C SERIES

Multi N/C offers the optimum solution for every application. From the analysis of drinking water and waste water, Pharmaceutically used water or cleaning validation, surface water, through to water in power plants or in semiconductor industry or solid substance analysis.

TOC/TN_b Analysis for Liquid Samples



multi N/C 2100

The multi N/C 2100 is the space-saving TOC/TN_b analyzer which demonstrates its strength particularly in the field of Environmental analysis.

APPLICATIONS

Total Carbon(TC) and Total Nitrogen bound(TN_b) determination in Hydrogen Peroxide.
Total Nitrogen(TN) in the soil
Total Organic carbon(TOC)in cement eluates
TOC/TC analysis in solids



multi N/C 3100

This is suitable all liquid samples

APPLICATIONS

TOC/TN_b Analysis of Municipal Sewage
TOC Analysis in power Plant waters
TOC/TC Analysis in Solids



multi N/C UV HS

This is a wet chemical TOC analyzer which works both with an oxidation agent and a highly effective. UV radiation source for sample oxidation

APPLICATIONS

Measurement of samples with high Concentration of several salts



multi N/C pharma

This, multi N/C pharma is uniquely suitable for ultra-pure Water analyses.

APPLICATIONS

System Suitability test. TOC determination in solid samples for cleaning Validation.

Products

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AOX/TOX ANALYZER



multi x 2500

Multi X 2500 is used in the determination of organic halogens
Water and waste water evaluation.

APPLICATIONS

Analysis of Inter-Laboratory Test Samples
Analysis of water samples from cellulose
and paper industry

Elemental Analyzers C/N/S/Cl

This elemental analyzers is used for determination of carbon, sulfur, Nitrogen and total chlorine in most diverse sample whether solid, fluid, Paste-like or gaseous.

multi EA 5000

This is for macro elemental analysis. Multi EA 4000 is used in determination of the TC, TOC, TIC, EC and BOC in soil, sediments, waste, minerals and other TOC, EOX or AOX/TOX.

APPLICATIONS

Petrochemical Industry, Refineries
Chemical industry, Polymer Industry
Pharmacy, Food Industry,
Environmental Analysis, power stations,
Material testing/quality control.



multi EA 4000

This is for macro elemental analysis.
Multi EA 4000 is used in determination of the TC, TOC, TIC, EC and BOC in soil, sediments, waste, minerals and other inorganic solids.

APPLICATIONS

Determination of BOC
Determination of TCl
Determination of Total sulfur

Products

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PETROLEUM TESTING INSTRUMENT



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KINEMATIC VISCOSITY:

K23376 KV1000 Digital Constant Temperature Kinematic Viscosity Bath



Test Method

Kinematic viscosity is of primary importance in the design and selection of a wide range of petroleum products. Calibrated capillary viscometers are used to measure flow under gravity or vacuum at precisely controlled temperatures.

Features and Benefits

- Accommodates six capillary viscometers
- Variable temperature limit control
- Conforms to ASTM D445 and related specifications

Features and Benefits:

- Conforms to ASTM D445 and related specifications.
- Accommodates six capillary viscometers
- Variable temperature limit control

KV1000 Kinematic Viscosity Baths

Constant temperature bath for kinematic viscosity testing of petroleum products. Accommodates six round 2" (51mm) dia. viscometer holders. Bath temperature stabilizes within $\pm 0.5^{\circ}\text{C}$ ($\pm 1^{\circ}\text{F}$) of setting, and final adjustment to within $\pm 0.01^{\circ}\text{C}$ ($\pm 0.02^{\circ}\text{F}$) can be made. Test temperatures of up to 150°C (302°F) can be selected.

Specifications: Conforms to the specifications of:

ASTM D445, D6074, D6158; IP 71; ISO 3104; DIN 51550; FTM 791-305; NF T 60-100

Capacity:

Six (6) glass capillary viscometers . Bath Medium: water or white technical oil.

Dynamic & Kinematic Viscosity Testing Equipment

BV3000 Brookfield Viscosity Liquid Bath

Constant temperature liquid bath permits testing of samples without the risk of sample temperature rise. After cooling in the air bath, the sample must be transferred to the balsa cell carrier for testing with the Brookfield viscometer.

Test Method

Determines the low temperature, low shear rate viscosities of gear oils, automatic transmission fluids, hydraulic oils and other fluid lubricants by use of the Brookfield viscometer.

Features and Benefits

- Sample soaking and testing in a single bath, eliminating the need for an air bath and the risk of sample temperature rise during transfer
- Redesigned for improved control of sample movement and handling during testing
- Microprocessor PID temperature control duplicates the sample cooling rates in ASTM D2983

Specifications

Conforms with ASTM D2983 , Sample Capacity:10 samples ,Temp Range: +10 to -55°C .



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08033249988, 08067214507
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chibek_oiltools@yahoo.com
Website: www.chibek.com

BVS5000 Low Temperature Viscosity by Rotational Viscometer System

- Sample soaking and testing in a single bath, eliminating the need for an air bath and the risk of sample temperature rise during transfer
- Microprocessor PID temperature control duplicates the sample cooling rates in ASTM D2983

Redesigned programmable baths with improved features for sample handling and testing. Bath accommodates 10 samples for Dynamic Viscosity testing. Sample cells are immersed in a liquid bath for the entire soaking and testing period,

eliminating the need to transfer cells from an air bath to a liquid bath with insulated balsa wood carriers. Also eliminated is the inherent risk of sample temperature rise during transfer. The programmable microprocessor PID controller stores up to 40 temperature profiles that duplicate the sample cooling rates found in ASTM D2983.

Specifications

Conforms with: ASTM D2983 - Note 2 and Note 10; IP 267; CEC L18A-30; ISO 9262

Sample capacity: 10 samples , Microprocessor PID digital-indicating programmable

controller with $\pm 0.05^{\circ}\text{C}$ steady state stability , Operating Range: ambient to -55°C

K13260 Portable Automated Colorimeter

- Measures the 4 most important color scales used for liquid chemicals, resins, oils, fuels, and fats for liquid color measurement
- Data memory for up to 200 measurements
- Touch Screen TFT-Display
- USB-B port for PC connection
- Compact housing suitable for both field and laboratory use
- Modern user interface with sample and user ID entry in 16 languages

Specifications

Conforms with: ASTM D156, D1209, D1544, D6166; 4630, 6271; DIN 6162; NFM 07-003

Wavelength Range: 400 to 700nm/20nm , Photometric linearity: <0.5% to 2 Abs

Photometric accuracy: 5 mAbs at 0.0 to 0.5 Abs 1% at 0.50 to 2.0 Abs

$\leq 1\%$ at > 2 Abs with neutral glass at 546 nm

Stray light: > 3.0 Abs. at 500nm with OG570/3 , Gas-filled Tungsten bulb (visible spec)



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K45603 Automatic Distillation Analyzer 5000 Series

Test Method

The sample is evaporated and condensed under controlled conditions, and observations are made of the temperatures at which various percentages are recovered and/or the temperatures.

Features and Benefits

- Conforms to ASTM D86, D285, D4737 and related international specifications
- Pt-100 RTD probe with automatic temperature calibration system (°C or °F)
- Windows®-based software package for PC control with LIMS export capabilities
- Automatic determination of initial boiling point (IBP), final boiling point (FBP), dry point and barometric and residue corrections
- Conforms to all ASTM, IP, ISO 9001 and related specifications for penetrometers

K95500 Digital Penetrometer & Data Acquisition Software

Test Method

Penetration tests are performed on petroleum products to determine consistency and shear stability (lubricating greases) for design, quality control and identification purposes. A standard cone or needle is released from a penetrometer and allowed to drop freely into the sample for 5 seconds (or a different specified interval) at constant temperature

Features and Benefits

- Tests the consistency of lubricating greases, petroleum waxes, bitumens, pastes, creams and other solid to semi-solid products
- Automatically timed operator programmable penetration measurements
- Motorized placement of penetrator on sample surface
- Large LCD to display all functions
- RS232 port for data transfer
- Full measurement range of 0-620 in 1/10mm scale or 1/100mm scale



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FLASH POINT TESTER

PENSKY-MARTENS FLASH POINT - AUTOMATIC NPM 440 - 40300



Scope: These test methods cover the determination of the flash point of petroleum products in the temperature range from 40 to 360°C by automated Pensky-Martens closed cup apparatus.

Main characteristics

- Test Temperature Range : Ambient to 400°C
- Double Flash point detection by ionisation ring and thermocouple
- Data Storage: 200 results
- Quick access to calibration parameters
- Auto diagnostic
- Automatic Flame extinguishing
- Methods available: A, B, QUICK A, BITUMEN, UNKNOWN PRODUCT, B MODIFIED, AMBIENT, and user programmable
- Optional low pressure gas cartridge to work in all types of environments
- Automatic Gas cut-off at the end of the test

K87300/K87390

Automatic Abel Flash Point Tester

The automated Abel flash point tester is used primarily to test flammable and combustible materials for shipping and safety regulations. The flash tester provides an increased temperature range of operation as compared with other testers, allowing greater flexibility in testing samples according to the Abel testing method. The unit provides a test range to 110°C and can be extended to -30°C by any appropriate external chiller.

Specifications

- Conforms to ASTM D93 and related specifications.
- Automatic barometric correction
- Simple automation routine for easy operation
- Flash point operation range between 0 and 400°C
- Dual flash point detection system (thermal and ionization) for measurement of samples containing water and/or silicone
- Large viewing screen for observing test status at a distance from the unit



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K16200 Pensky-Martens Closed Cup Flash Tester



Test Method

For flash point determinations of fuels, lubricating oils, liquids containing suspended solids and liquids that tend to form a surface film during testing.

Features and Benefits

- Conforms to ASTM D93 and related specifications

- Choice of electric or gas heating

Determines flash points of a wide range of products by a closed cup method with two-option speed stirring of the sample. Extensively used in shipping and safety regulations for detection of contamination by volatile and flammable materials in fuel oils and lubricating oils, and for characterization of hazardous waste samples. Smooth operating cover mechanism slides shutter open and applies flame at the turn of a knob. Cover fits over brass test cup and includes pilot flame, test flame reference bead, and plated brass thermometer ferrule. Electrically heated models are equipped with a 1000W nickel-chromium heater with stepless variable control for accurate, repeatable temperature rate of rise settings per specifications. Heater unit is enclosed in a stainless steel housing with cooling vents. Includes line cord receptacle and switch for accessory stirrer motor. Gas heated model has a built-in nickel plated brass natural gas burner. All models are mounted on a sturdy cast iron base.



Digital Viscometer Bath



Gum Testing Machine



Colorimeter

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