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HIGH-END LABORATORY WORKBENCH

We focus on developing of advanced the high-end laboratory workbench and manufacturing of DC power supply

我们只做高端实验室台

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前言

久源电子一专注高端实验台研发与直流电源生产企业。公司已有二十多年直流电源生产历程。80% 产品出口欧美，日本，俄罗斯，南非，巴西等国家。国内被广大客户评为最具性价比直流电源产品。公司拥有一支优秀的电子，机械设计团队与先进的检测，制造设备。近两年来致力于实验台研发与初始生产，特别是随着高端制造行业不断进步与需求，效率，便携，工艺要求，迫使我们为各行业客户提供方便最优的解决方案。

公司实验台产品广泛应用于研究所，大学实验室，军工产品的研发，医院生化实验室及先进制造行业电子电器检测，研发，实验等行业。通过近几年的努力与实践证明，产品的质量与服务得到了客户的认可与好评。现已为国内外知名企业所提供配套服务！公司已为实验台申请国家发明专利。

“不断创新，推翻旧的”，这就是科学进步，也是公司经营理念与追求的信念，面对新一轮工业化 2025，公司有信心为中国制造的崛起，强大实现理想目标。

JIU YUAN ELECTRONIC

We, Jiuyuan Electronic Co., Ltd, focus on developing of the high-end laboratory workbench and manufacturing of DC power supply, our products are praised as the best cost-effective inside of China and 80% of sales are from customers among US, Europe, Japan, Russia, Brazil and South Africa. With more than 20 years manufacturing activity, we set up an excellent team engaged with electronic and mechanic design, as well as advanced calibration equipment and production facility.

Accompany with the constant demands from high-tech manufacturing industry, we have been devoted ourselves to develop and trial produce laboratory benches in current 2 years and these range products are acquired the national patent.
We offer wide range laboratory benches from entrance level to comprehensive motor-raise advanced systems that can be combined in astonishing ways to achieve your desired functions.

With constant innovation concept and deeply understanding the requirements from markets, surely you will benefit from our qualified products.

- 采用铝压铸框架连接构件，能方便连接框架总结构，大大提高结构刚性强度的同时降低安装难度，使用户可自行 DIY 组装。
- 工作灯采用嵌入式智能触摸模式 LED 调色(R,G,B)调光技术。光照，色温可根据个人需要自行调节，以满足不同人群的需要。LED 功率可在 10W–100W 范围内调节。
- 仪器，仪表放置搁板可按客户要求上下调节移动，并可随须量身定制组合。

升降式实验台特点说明

- 继上述固定式实验台特点性能外，升降式实验台更能突出它的内在价值。
- 升降式实验台可通过调色，调光控制盒上，下键轻松调节您所需工作台面高度，并在显示屏上会显示所处高度，低 78CM——高 105CM.
- 按照现代人体工程学科学论证，长时间坐着工作，会影响人的脊柱健康，一般是坐 60 分钟，立着工作 10 分钟 (实验桌升高到您站着最佳高度) 所以对脊柱健康有保护作用。
- 可组合所需仪器，仪表，调节测试台高度与生产流水线对接，便于现场流动检测，提高工效。
- 实验台不仅外观新颖，大气美观而且实用，极大的提高了实验室档次，符合现代工业创新理念。
- 便于物流运输，本产品两件 / 套，能够大大降低物流成本。

公司生产的实验桌 (台) 为高品质产品，有固定高度与可升降高度两种。固定高度为经济型产品，通用高度为 78cm。总体结构框架全部采用优质表面氧化铝合金。考虑到实验桌台面设定载重 500kg, 所以高强度铝合金占整套实验桌 (台) 重量的 38%(整套普通型实验桌净重 105 千克)。

JIUYUAN offers a wide range of workbench models, which consist the fixed height models and height adjustable models, for comprehensive applications related to modern laboratory environments, whether in electrical engineering, electronics industry, healthcare, university, and so on.

Workbench Introduction

特点说明

- The Stationary Workbench BASIC is designed with the fixed height; it is an economic solution for the general applications from various demands.

Please find the following major features:

- Standard height: 78cm (or available in customer height requests)
- The whole tube frame constructed with multi-functional extruded anodized aluminum profile, completely corrosion-resistant and robust.
- Lifting capacity: 500kgs, the aluminum tube frame is 38% of total workbench weight (N/W: 83kgs)
- Adopt with aluminum casted mounting frames and ensure to assembly of whole tube frame, enhance structural strength and reduce installation difficulty, available for DIY
- Equipped with embedded intelligent touch mode, color & brightness adjustable LED lamp, color temperature and brightness can be adjusted favoritely and LED power adjustable from 10W to 100W
- Storage instruments shelve can be fastened vertically with customers' requests.
- Light weight with two packages for easy transportation
- Motor raised height adjustable workbench is ergonomically designed to create a comfortable and productive worksurface with the touch of a button, enabling to determine the optimal working positions, the vertical range to accommodate all sizes of people.

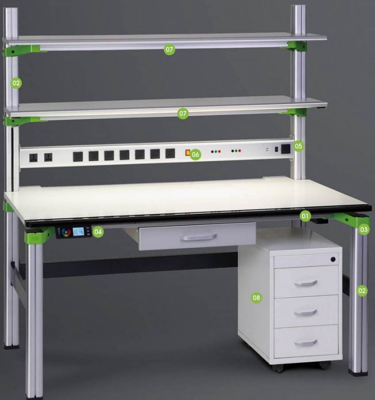
Except the features of the fixed height bench, the height adjustment function is specialized as following descriptions:

- User-friendly motor adjustable frames are designed to support medium to heavy duty tasks for either a seated or standing posture
- Worksurface height is operator-adjustable at the touch of button, with programmable height selection, adjust quickly and quietly for sitting or standing. Height range: 78cm to 105cm
- The control unit is mounted beneath of worksurface, by holding up/down arrow key to adjust worksureface position, which also display the exact height in LCD

Each laboratory system is equipped with large combinations of facility, both of our fixed height and height adjustable workbenches are ideal solutions for the contribution of your advanced laboratory, education, workshop and associated.

Stationary Workbench BASIC

(Worksurface Height: 78cm)



产品总重量净重 ,83KG, 分两个包装 , 包装尺寸：1710×900×150 / 1710×480×150

Stationary Workbench BASIC is constructed with a aluminum alloy frame and professional-grade powder coat finish, it provides the necessary strength and stability for demanding environments that is perfect to maximize work surface, the upright frame profile allows for the use of different accessories, whether your requirement is for the laboratory, production floor or other applications, the Stationary Workbench BAISC delivers strength and durability combined with sleek, good-looking style

Stationary Workbench BASIC

Packing dimension:
The total weight of Stationary Workbench BASIC is 105Kgs in two packages:
Packing dimension:

- 1710 x 900 x 150 cm
- 1710 x 480 x 150 cm

01 桌子台面板：三聚氰胺复面合成板
长 :160CM 宽 : 85CM 厚 : 2.5CM
Durable melamine high pressure laminate
Length: 160cm Depth: 85cm Thickness: 2.5cm

02 四个立柱，前，后高度分别为 72cm,168cm, 各 2 个为铝合金构件型材比重 2.8Kg/M，足够强度能支撑桌面 500Kgs 承受力
There are two functional shelves with length 161cm and depth 36cm mounted in upright frame, which are suitable for putting various kinds of instruments, such as oscilloscope, function generator, DC power supply, bench multimeter, electronic load, and others. (The size of functional shelve is available for customer requested size)

03 采用实用创新的铝压铸连接件，强度好，寿命长，便于拆装。参照附件 6
Apply with innovative aluminum casted mounting joint rack, it is in good strength and durability and easy disassembly.
(refer to figure 6)

04 用当代最先进 (有专利申请技术) 三基色，R,G,B 可调色，调光，带存储，10–100W 大功率嵌入式工作灯，见图 2，3. 调色，调光，操作面板，图 4.
Advanced optimal illuminationthe maximum 100W high power embedded extra slim LED lamp, it is the tricolor with adjustable R, G and B three levels contrast range, as well as memory of light adjustments. (refer figure 2 and 3)Color/Brightness Contrast Controller (refer to figure 4)

05 实验桌主结构全部用带表面氧化铝合金连接，符合现代化产品审美和发展趋势。
The main structure frames of Stationary Workbench BASIC are assembled by aluminum alloy with oxidation powder coating; it is a rare combination of flexibility and strength in a aesthetic package.

06 组合式新电源插座与 DC, 插座，极大方便了操作工程师工作，不觉得桌面杂乱无章，既安全，又整洁，参照图
Well-organized power strip and DC sockets makes worksurface clean and safe, it is efficientand convenient for operations.
(refer to figure)

07 上，下二块 搁板尺寸为长 161CM, 宽 36CM, 此尺寸为标准型。(量身定制客户可商量变化) 一般已满足仪器，示波器，信号源，直流电源，台式数字表，电子负载，等产品放置，参照第 10 页
Functional shelf There are two functional shelves with length 161cm and depth 36cm mounted in upright frame, they are suitable for putting various kinds of instruments, such as oscilloscope, function generator, DC power supply, bench multimeter, electronic load, and others. (refer to page 10). (The size of functional shelve is available for customer requested size)

08 配置说明：
图片中右角矮柜为配置产品，基本型价格 (不包括矮柜)
Optional accessory:
The mobile-mate storage cabinet is the optional accessory of Station Workbench BASIC

固定式基本型配置规格

(台面离地高度 78CM)

CODE DESCRIPTION OF REAR SIDE WORKBENCH

实验桌反面示意编号说明

01 桌面总框支架铝合金型材
Aluminum profile tubeframe of worksurface

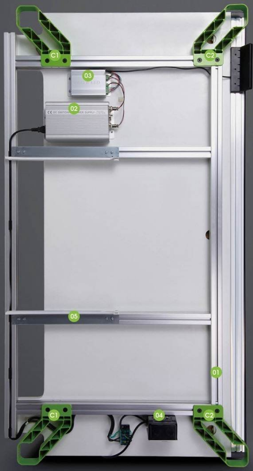
02 工作灯电源
LED lamp power supply

03 LED, R G B 调色，调光驱动器
LED, RGB color/brightness adjustable controller

04 总电源开关盒
Main power switch box

05 工具抽屉装配支架
Tool set combination mounting bracket

连接器构件 C1 2 只，C2 2 只
Joint rack component
C1 – 2pcs
C2 – 2pcs

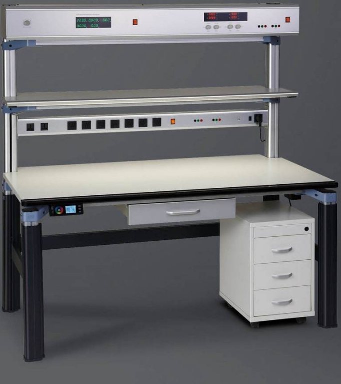


实验台反面示意图 Rear side of workbench

Worksurface

- 升，降功能台桌一张（台面由客户定）现二种
  1. 聚酯青胺合成台板
  2. 304 不绣钢面合成台板 1 组
  3. 医疗用理化板
- 电参数测量仪，
- 2.5kw 自动交流稳压器，
- 0–30V/5A 直流电源 2 台，
- 组合柜 1 个多功能电源插座，直流电源插座（DC 输出）USB
- 铝合金架组合件 1 套 LED 调色，调光，控制面板 1 只，LED 铝合金支架一支，R,G,B 驱动控制器 1 台，电源 1 台

• Height adjustable worksurface	– 1pc
(with two kinds of worksurface material to choose from)	
I. Durable melamine high pressure laminate	
II. 304 stainless steel plate surface laminate	
III. physiochemical board	
• Electronic parameter analyzer	– 1pc
• 2.5kW AC automatic voltage regulator	– 1pc
• DC power supply 0-30V/0-5A	– 2pcs
• Mobile-mate storage cabinet	– 1pc
• Aluminum profile multifunctional power strip assembly	– 1pc
(includes power sockets, DC output power socket, USB ports)	
• Control unit for LED color / brightness adjustment	– 1pc
• LED lamp aluminum profile holder	– 1pc
• R,G,B motor driving controller	– 1pc
• Power Supply	– 1pc



T16080 –ADJ Multifunctional Height Adjustable Workbench

T16080–ADJ 多功能组合升降实验台各种仪器

T16080 – ADJ 升降实验台升到 103CM, 高度效果

T16080 – ADJMultifunctional Height Adjustable Workbench

仪表放量示图 适用电子工程师研发

Ideal solution for electrical/electronic engineering
and R&D researching (Refer to figure)

- 电子元器件存放柜 1 组，元件器盒可订购，也可自行采购
- 固定式铝合金主柱 (后主柱高度可按客户定，标准为 78CM)，标准台面，铝结构组件 1 套
- 多功能电源插座架 (插座标准，由客户国家定制)

- Store chest of electronic components Number 1
- The box of electronic components can be ordered, but can also be purchased as customers wish
- Aluminum alloy main column (The height of back column can be decided by customers, the standard one is 78cm) The standard desktop
- components of aluminum structure
- multifunctional power supply socket holder (the standard of socket is decided by customers' country)

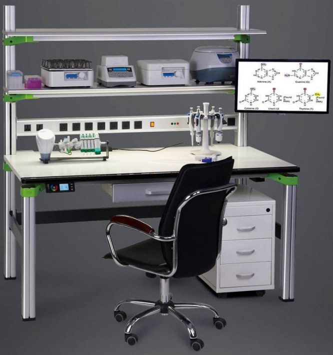
T16080-ADJ

升降实验台

- 升到 103CM, 高度 效果
- Figure for Multifunctional Height Adjustable Workbench rising up to 103cm height position

T1680-A Workbench for hospital, pharmacy, biochemical lab

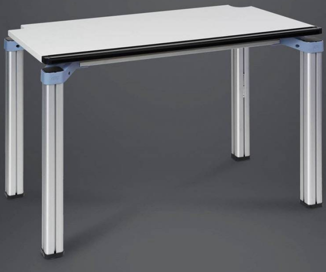
医疗，生化实验台

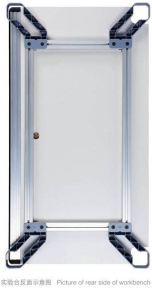


Stationary

Workbench basic

固定式实验台





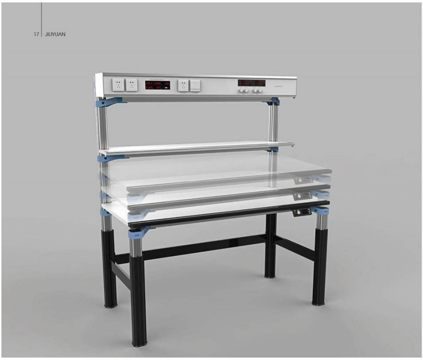
实验台反面示意图 Picture of rear side of workbench

Dimension 尺寸

- 1600 x 850 mm (LxD)
- 1200 x 600 mm (LxD)

台面承受重量：500KG

Lifting capacity of worksurface is at 500Kgs.



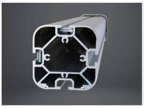
不绣钢 304.08mn 复面 With stainless steel 304.08mn cover/coating

医疗用理化板 physiochemical board

- 规格 1602×850mm
- 由客户订货选择

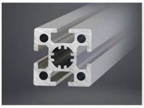
- Dimension: 1602 x 850mm
- Or based on customer-tailored

Strong Profiles Ensure Flexibility



- 高强度立柱铝合金型材截面图

  High strength riser column aluminum alloy profile



- 桌面框架主横梁铝合金型材截面图

  The stable closed aluminum alloy profile for worksurface and swaybrace

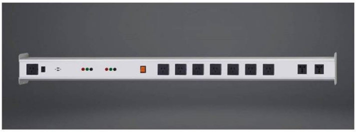
- 带升降功能电机铝合金型材外套示意图

  Height-adjustable motor-raiser with a aluminum alloy profile housing

- 总电源开关盒

  Main power supply switch box

workbench



Well-organized power strip and DC plugs

- 组合式新电源插座与 DC, 插座，极大方便了操作工程师工作，不觉得桌面杂乱无章，既安全，又整洁

  Well-organized power strip and DC plugs makes worksurface clean and safe, it is efficient and convenient for operations.

- Lamp LED, R G B 工作灯

  Brightness R G B adjustable LED

- LED R G B 工作灯调节与升降功能操作面板盒

  Control unit for LED brightness and height adjustment

- 嵌入式 LED, R G B 工作灯与中层仪器搁板组合件

  Intergration of brightness R G B adjustable LED lamp and storage instrument shelf

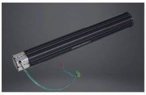
workbench

LED, RGB color/brightness adjustable controller

- LED, R G B 调色，调光驱动器

- 带升降功能，电机铝合金型材外套
  With height-adjustment function,Motor-raiser with a aluminum alloy profile housing

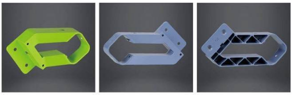
可升降功能前立柱组合件　左，右各一套
Height adjustable front riser column assembly, each set on both left and right



可升降功能后立柱组合件　左，右各一套
Height adjustable rear riser column assembly, each set on both left and right

- 工作灯电源
  LED lamp power supply

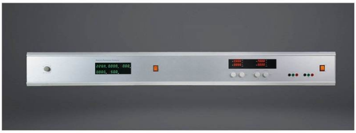
- 铝压铸件连接构件
  Aluminum casted mounting joint rack



正面　Front part

反面　Rear part

System
Rack Collection



Module rack with electric parameter analyzer ac auto voltage regulator & dc power supply

- 编号：TS–5006

仪器组合架

内装电参数测量仪一台，2.5W 交流自动稳压器 1 台，0–30V/5A 直流电源 2 台，

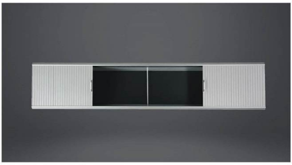
适用于电子，电器产品，研发，出厂检验

外型尺寸：1602×175×370mm　重量：37 千克

Code No.: TS-5006

- Module Rack with Electric Parameter Analyzer, AC Auto Voltage Regulator & DC Power Supply
- We provide the module rack with interlocking device integration, it has been generated from comprehensive working experience or based on customers' requests.
- The module rack TS-5006 consists 1 unit of electric parameter analyzer, 1 unit of 2.5W AC automatic voltage regulator and 2 units of 30V/5A single output DC power supplies, which is widely applied for the researching of both electronic and electrical industry, as well as for quality control.
- Dimensions: 1602 x 175 x 370mm (LxDxH)
- Net Weight: 37.00 Kgs

Elements storage rack with sliding doors



- 编号：TS–5005

电子元器件储藏组合柜

柜内可放贴片元件盒，零件盒，方便找寻，节省时间，整洁有序

尺寸：1600×370×280　重量：19.5 千克

Code No.: TS-5005

- Elements Storage Rack with Sliding Doors
- The elements storage rack is placed on top of workbench and combined with shelf sections, the storage bins can be put inside of rack, by labeling to distinguish each different components position, and it is convenient for finding correct components, thus to improve working efficiency and maintain neat worksurface.
- Dimensions: 1600 x 280 x 370mm (LxDxH)
- Net Weight: 19.50 Kgs