卡特世
Cartesykj

卡特世 机动车检测设备和系统专家

Cartesy automobile testing equipment & system

Cartesy Diagnosis Technology Co., Ltd.

世界的专业的机动车检测业务解决方案供应商

德国技术 German Technology

欧洲品质 European Quality

中山市卡特世检测设备科技有限公司

www.cartesykj.com

关于卡特世

About Us

中山市卡特世检测设备科技有限公司是研发、生产、销售机动车检测设备的专业制造商。公司生产、技术、研发实力雄厚，并被国家认定为高新技术企业。卡特世品牌已有十余年国内外研发生产服务经验。工厂及研发基地设立于风景秀丽的中山世融产业园，毗邻港澳和珠海经济特区。公司凭借科学的决策，一流的管理，规范的运作，所有产品各项技术指标均处于欧洲同步、国内领先地位。公司自成立以来，始终坚持以人为本，诚信立业的经营原则，以精细生产（引用机器人焊接）品质至上的发展理念，开拓创新、不断进取(每年均推出新产品)的拼搏精神，已经使得卡特世公司成为提供定制化服务、用户群最多、产品性价比最高的企业之一。

公司在行业内拥有全系列产品的出口CE认证、众多发明专利和实用新型专利、高新技术产品和软件著作权证书等。并且已通过ISO9001质量管理认证。同时在中国全境和世界多个国家均有产品经销商和代理服务商，用户涵盖：一千多家维修企业，几百家各类品牌4S店，几百家机动车三合一检测(机构)站，上百家教学科研单位和汽车摩托车车厂、部队系统等。国外客户分布于美国、欧洲、南美、俄罗斯、哈萨克斯坦、乌兹别克斯坦、加纳、埃及、蒙古、古巴、巴基斯坦、尼泊尔、刚果、乌克兰、韩国、菲律宾、泰国、比利时、瑞士、秘鲁等五十几个国家和地区。出口增长率持续保持同行业前列。

多年来，卡特世公司一直专注于机动车检测设备及相关产品的研发和生产，向国内外客户提供最优质的机动车检测设备。已拥有汽车检测设备、（电动）摩托车检测设备、检测控制管理系统、机动车检测线四大系列以及数十种型号规格的产品，并支持用户产品定制和开发。产品广泛应用于机动车检测服务机构（车辆年审）、机动车维修保养企业（二级维护检测及M站等）、机动车技术教育培训机构（教学线）、汽车改装、ECU调校领域（马力机）、汽车/摩托车生产制造企业（ABS检测）以及汽车技术研究开发领域和军方部队机构等。

持续稳定的产品品质,诚信高效的服务风范，是卡特世公司成功的基础。卡特世的服务宗旨是"想客户所想，急客户所急！"，为需求制造，为荣誉出品。每一天，卡特世都在默默努力地为客户、为社会、为人类创造更大的价值。卡特世将用最好的产品、最优的服务、最佳的信誉，成为您最信赖的长期合作伙伴，期待与您合作的每一天。

Cartesykj is a professional manufacturer of motor vehicle testing equipment and is recognized by the government as a high-tech enterprise. The company has more than ten years of domestic and international experience in research and development, production and service. Located in the Pearl River Delta, the headquarters and R & D base are set up in the scenic Shirong Smart Industrial Park, adjacent to Hong Kong and Macao and Zhuhai Special Economic Zone, and has after-sales service outlets around the world. With scientific decision-making, first-class management and standardized operation, the company's products are in line with European standards and boast a leading position in China, and will continue to innovate and develop new products according to market demand and changes. Since its inception, the company has always adhered to the people-oriented, integrity-based business principles, fine production (robot welding), and has adopted the quality-first production concept, so that Cartesykj has become the most competitive enterprise with the most cost-effective products.

The company has a full range of products with CE certification and has passed ISO9001 quality management certification, etc. The company has a number of invention patents, utility model patents, appearance patents, high-tech products and software copyrights, etc.. There are distributors and service providers all over the world, and users are located all over China. International customers are located in more than 50 countries and regions such as the United States, Europe, South America, Russia, Kazakhstan, Uzbekistan, Ghana, Egypt, Mongolia, Cuba, Pakistan, Nepal, Congo, Ukraine, South Korea, Philippines, Thailand, Belgium, Switzerland, Peru, etc. The export volume continues to be in the forefront of the same industry.

Over the years, Cartesykj has been committed to the development and production of motor vehicle testing equipment and related products, providing the best quality motor vehicle testing equipment to customers at home and abroad. It has formed four series of automobile testing equipment, (electric) motorcycle testing equipment, testing control management system, motor vehicle testing line and dozens of models and specifications of products, and supports the customization and development of products for users. Our products are widely used in motor vehicle inspection service institutions (annual vehicle audit), motor vehicle repair and maintenance enterprises (2D line and M station, etc.), motor vehicle technical education and training institutions (teaching line), automobile modification, ECU tuning field (4WD horsepower machine), automobile/motorcycle manufacturing enterprises (ABS testing), as well as automotive technology research and development fields and military force institutions.

Stable product quality and efficient service are the basis of the success of the company. Every day, Cartesykj is working hard to create greater value for customers, for society and for human beings. With the best products, the best service, the best reputation, Cartesykj is willing to become your most trusted long-term partner, looking forward to cooperating with you. Our service tenet is Think What the Customers Think! We believe that cohesiveness brings strength, harmony brings hope, trust brings sustainable development, demand brings research and innovation.

公司使命：

立足中国，面向世界，服务全球，打造世界的专精特新的机动车检测设备品牌！

Our Mission

To build a world-famous brand for motor vehicles testing equipment serving the globe

卡特世愿景：

让机动车更安全地改变生活

Our Vision

To lead a safer life

卡特世价值观：

Our Value

卡特世资质
Cartesy Qualifications

卡特世荣耀 C

Cartesy Glory

C 参展与交流
Exhibition and exchange

海 外 业 务

Cartesykj's overseas business

专注检测线十余载

Focus on testing line for more than ten years

2010 年

创始人:梁孝武
Founder: Mr. Liang

早期工厂图
Early factory

2011 年

在创立第一年就已经出口三批检测线到欧洲
In the first year of its establishment, it has exported three batches of testing lines to Europe·

创始人远赴德国展会交流学习后,创立卡特世品牌,并与国外客户展开OEM深度合作。
After going to the German exhibition for exchange and study, The founder founded the brand of Cartesykj and carried out OEM in-depth cooperation with foreign customers.

2012 年

公司参加北京法兰克福展会
The company participated in Beijing Frankfurt exhibition

迎来国内外客人的参观
Welcome guests from home and abroad

2013 年

公司持续参加北京展会
The company continues to participate in the Beijing Exhibition

荣誉证书

公司荣获全国十佳优质供应商称号
The company won the title of top ten high-quality suppliers in China

荣誉证书

获得2014年最受媒体关注汽车检测厂家
Won the most media attention automobile testing manufacturer in 2014

在北京参加展会
The company continues to participate in the Beijing Exhibition

2014 年

年协助承办交流会 Assist in organizing the exchange meeting

2014 年接受维修保养网站的专业采访
Professional interview with maintenance website in 2014

2015 年

参加北京展会
Participate in the Beijing Exhibition

公司扩大至七村工业区
The factory expanded to Qicun industrial zone

2016 年

参加中国汽车保修设备行业协会颁奖仪式
荣获发展壮大奖以及行业优秀会员
Participate in the award ceremony of China Automobile warranty equipment industry association
Won the development award and excellent member of the industry

参加上海展会
Participate in Shanghai Exhibition

迎来了珠海市交通局、汽摩协会、维修企业领导和嘉宾的指导参观
Leaders and guests of Zhuhai Transportation Bureau, automobile and Motorcycle Association and maintenance enterprises were invited to visit

并且开展了一次公司团建活动
And carried out a group building activity of the company

2017 年

参加中国澳门地区展会
participates in the 7th China Macao International Auto Expo

并且持续参加上海法兰克福展会
And continue to participate in the Shanghai Frankfurt exhibition

卡特世平板式制动测滑检测台荣获汽车检测设备推荐产品目录
The flat brake tester won the recommended product catalogue of automobile testing equipment

高新技术企业
证书

卡特世申请广东省高新技术企业成功
Successfully applied for high-tech enterprises in Guangdong Province

历程与故事
The story of Cartesykj

2018 年

参加上海法兰克福展会
Participate in Shanghai Frankfurt Exhibition

与国外客户进行交流讲解
Communicate with foreign customers

创始人正式成为中国汽保设备采购年鉴的编委会委员
The founder o翻⊠cially became a member of the editorial board of China automobile insurance equipment procurement Yearbook

2019 年

持续参展，并且接受采访
Exhibitor and interview in 2019

菲律宾官职人员参观
Philippine o翻⊠cials visit Cartesy customer site

证　明

荣获军民两用高新技术民营企业及产品推荐目录证明
Certificate of winning the recommended catalogue of military and civilian high-tech private enterprises and products

2020 年

2020 年与集团洽谈合作
Discuss cooperation with an enterprise group

卡特世再次申请广东省高新技术企业成功
Successfully applied again for high-tech enterprises in Guangdong Province

大型公司年会
Annual meeting

2021 年

疫情期间，产品展厅
During the epidemic, product showroom

远程指导国外用户成功安装整个测试站并投入使用
Remotely guide foreign customers to install the whole test station successfully and put it into use

在办公室开展搬迁工厂的会议
Carry out the meeting of relocating the factory in the o翻⊠ce

2022 年

工厂搬迁至世融制造产业园，
在此与您共创未来
The factory will be relocated to Shirong Manufacturing Industrial Park, where we will create a better future with you

荣获中国汽保人匠心智造榜样企业
Awarded as a model enterprise for the ingenuity of China's automobile insurance companies

2023 年

选择卡特世的八大理由
Eight reasons to choose Cartesy

01 品牌 Brand
卡特世品牌拥有十几年生产、研发、销售机动车检测设备经的验与技术积累。
We have more than ten years of experience and technology accumulation in the production, research and development, and sales of motor vehicle testing equipment

02 科技 Technology
卡特世掌握核心科技技术,拥有多语种软件著作权和各种专利技术。
We have mastered the core technology, and own the copyright of multilingual software and various patented technologies.

03 团队 Team work
卡特世创始人团队拥有三十几年机电产品研发生产经验,研发团队支持并满足个性化非标定制。
The founder team of us has more than 30 years of experience in R & D and production of mechanical and electrical products. The R & D team supports and meets personalized non-standard customization in all kinds of products.

04 精细 Meticulous
卡特世秉持"工匠精神",配备现代化工厂与工艺实现产品的精细化生产。
We adhere to the "craftsman spirit", equipped with modernize factory and technology to achieve refined production of products

05 产品 Products
卡特世产品齐全种类繁多应用广泛。可提供"一站式"机动车安全、综合性能及环保检测解决方案。
We have a wide range of products, and which are all used widely. We can provide "one-stop " service of motor vehicle safety and environmental protection testing test line

06 配置 Hardware
卡特世产品采用模块化配置,结构合理、维护简单、易学易用!
The products adopt modular configuration with reasonable structure, which are easy to learn and use as well as maintenance!

07 部件 Parts
卡特世产品核心部件源于国际化采购与运用。高精度高集成的数据采集模块使控制系统长期稳定可靠。
The core components of the products come from international procurement and application. The high-precision and highly integrated data acquisition modules make the control system stable and reliable for a long time

08 系统 System
卡特世控制系统开发能力强大,已覆盖计算机工控系统、LCD触屏技术、无线测控、语音播报、AI智能等。全方位满足客户多样化需求!
The control system has strong development ability, covering computer industrial control system, LCD touch screen technology, wireless measurement and control, voice broadcast, AI intelligence, etc. Fully meet the diversified needs of customers!

检测项目 Test Items

- 栏杆高度
- 轴距
- 车身长宽高

车辆外廓尺寸自动测量仪
Vehicle Dimensions Scanning System

- 底盘部件检查
- 车辆整备质量
- 电器线路检查

外检地沟
整备质量
PDA

底盘间隙仪 play deteter
汽车转向角测试仪 steering angle tester

- 车速表指示误差

车速表检测台
Speedometer

- 转向轮的横向侧滑量

汽车侧滑检测台
Sideslipe tester

- 前照灯远近光检测
- 喇叭声音检测

前照灯检测仪
Headlight tester
声级计
Sound lever tester

- 轴（轮）重
- 驻车制动
- 制动力过程差
- 加载轴制动检测

汽车加载举升制动台 Brake teser with alxe load
滚筒反力式制动台 Roller brake teser
平板式制动台 Flat plate brake teser
(轴)轮重仪 Wheel load tester

- 震动幅度
- 左右吸收差
- 悬挂吸收率

汽车悬架性能检测仪
Suspension tester

- 稳态工况法
- 双怠速法
- 自由加速法
- 加载减速法
- 简易瞬态工况法

底盘测功机
Dynometer tester
流量计 OBD 转速计
不透光烟度计 Opacimeter

LIGHT DUTY(CAR) PRODUCT LINE

小车（单轴 3T）检测项目

HEAVY DUTY (TRUCK) PRODUCT LINE

大车（单轴 10T-20T）检测项目

MOTORCYCLE/ELECTRIC VEHICLE PRODUCT LINE

摩托车（电动车）/ 三轮车检测项目

C 国内外客户认可见证

Customers approval and witness

※**一千多家维修企业，几百家各类品牌4S店**：卡特世检测线已广泛在如下（并不限于如下）品牌4S店一类维修企业使用

以下排名不分先后In no particular order

※**上百家教学科研单位和汽车摩托车车厂、部队系统**：卡特世全自动教学检测线已有湖南农业大学、甘肃兰州工业学院、杭州工业职业技术学院、安徽工业大学、湖南交通工程学院、江门技师学院、深圳市二手车检定中心、广西（江西）机电职业学院、重庆人文学院、广安职院、广东技术师范大学、济南德州华宇工学院、江西南昌学院、广东梅州职业培训中心、四川遂宁职业学院、兰州理工大学、广西来宾市职业技术学校、四川城市职业技术学院、重庆交通大学交通运输学院、拉萨市第一职业中等技术学校、湖南衡阳南华大学、沈阳航空航天大学等**上百家教学单位。**

※**几百家三合一检测(机构)站,卡特世自有控股十余家**:卡特世安检、综检检测线、环保线、二维线、出厂质保检测线等产品已遍布全国,已供中汽数据有限公司、中国汽车工程研究股份、广汽研究院、江特机电股份、东风汽车、重庆西部口岸中交公司、江苏绿能电动车、泰州市飞鹿汽车服务有限公司、浙江永源集团、天津小刀电动车、云南安泰安检公司、广州汽车集团股份、柯恩汽车有限公司、江苏万象汽车制造有限公司、中汽数据有限公司、三一重型装备有限公司、邵东霞客乐汽车制造有限公司、南宁市拾兴机动车检测站、南宁五象福机动车监测站、新疆乌苏德坤检测站、西藏昌都利民检测站、上海上盟集团等高端客户已使用。

※**卡特世产品已出口五十几个国家和地区**:巴基斯坦、巴拿马、厄瓜多尔、菲律宾、刚果、科特迪瓦、马来西亚、尼泊尔、葡萄牙、塞内加尔、索马里、坦桑尼亚、文莱、乌克兰、乌兹别克斯坦、埃及、苏里南、沙特、埃塞俄比亚、罗马尼亚、西班牙、苏利亚、印度、印度尼西亚、越南,加纳、新加坡、尼日利亚、哈萨克斯坦、俄罗斯、蒙古、古巴、苏丹、哥伦比亚、美国、泰国、韩国、德国、英国、澳门等多个国家和地区,海外客户五十多个国家和地区。

C 产品简介
Product Introduction

安检机构检测线
Vehicle performance testing test line for test station

满足最新国家标准

- GB7258《机动车运行安全技术条件》
- GB38900《机动车安全技术检验项目和方法》
- GB 1589《汽车、挂车及汽车列车外廓尺寸、轴荷及质量限值》
- JT/T478《汽车检测机构计算机控制系统技术规范》
- JT/T445《汽车底盘测功机》

适用范围(分 3 吨、10 吨、13 吨级)

- 机动车综合性能检测机构
- 机动车安全性能检测机构
- 机动车检测服务公司、检测机构
- 机动车生产、维护修理企业，教学科研等单位

检测站设施

外检、轴(轮)重、制动、侧滑、车速表、灯光、尾气排放、声级、烟度、底盘间隙、底盘功率、车轮扭矩、外廓尺寸、转向力等。可选配多种检测设备通讯检测更多项目。

检测线特点

序号	场地	功能
1	办公大楼	办理检测业务、对外接待、顾客等待
2	检验车间	对车辆进行仪器设备检验
3	停车场	停放外检、待检车辆以及已检车辆
4	试车道路	对车辆进行路试性能检测
5	配电、空压房	为检测车间的所有检验设备提供电力、及压缩空气，以保证正常运行
6	机房	用于摆放车检站的服务器
7	员工停车区	停放员工车辆

Facility Description:

No.	Site	Function
1	Office building	testing business, external reception, customer waiting
2	Workshop	Vehicle testing
3	Parking lot	the vehicle to be tested and the vehicle has been tested
4	Test road	vehicle road test performance testing
5	Power distribution, air room	for the inspection workshop to provide all the test equipment, electricity, and compressed air to ensure normal operation
6	Computer room	room for placing the vehicle inspection station server
7	staff parking area	parked staff vehicles

Suitable service enterprises (3 tons, 10 tons, 13 tons)

- motor vehicle comprehensive performance testing organization
- motor vehicle safety performance testing organization
- motor vehicle testing service companies and testing institutions
- motor vehicle manufacturer, maintenance and repair enterprises, teaching and scientific research institutions

Test items

External inspection, axle (wheel) weight, brake, sideslip, speedometer, light, exhaust gas, sound level, smoke, chassis clearance, chassis power, wheel torque, overall dimension, steering force, etc. A variety of testing equipment can be selected to test more items through communication with our control system.

一般场地布局图

客户案例

产品简介
Product Introduction

全自动机动车安全性能检测线
Vehicle performance testing test line

检验检测机构主要资质条件

(一)具有法人资格,取得计量认证证书,并在认证合格有限期内
(二)拥有申报所承担的检测车辆类型和项目所需的侧滑、灯光、轴重、制动、排放、噪声、速度等必要的能够满足机动车安全技术检验的设备及其校准设备
(三)具有相应数量取得资质的机动车安全技术检验员;申请取得安检机构特殊检验资格许可
(四)有严格完备的工作管理制度,有完整的机动车安全技术检验标准和规程等技术规范文件资料
(五)机动车安全技术检验设备已通过合法有效的形式认定,在用计量器具经质量技术监督部门授权的计量技术机构计量检定合格,并在检定有效期内
(六)具备与车管部门信息或技术质量监督部门联网的设施

检测线特点

◆ 工位布局设计合理先进、使用方便、运行可靠
◆ 以计算机为核心进行数据采集、处理、显示、打印
◆ 智能化全自动检测可无序登录、无序检测、自动调度
◆ 强大的系统扩展功能、分布式网络结构、支持一站多线、一线多工位、功能强大
◆ 完善的系统自控功能,时时远程维护,网络服务器方便用户升级维护
◆ 系统标定简单准确可靠.检测台台体采用整体焊接,强度高,无需地脚螺栓安装,安装调试方便

The features of the test line

◆ The layout of test station design is reasonable and advanced, which is easy to use and save a lot of time for testing
◆ We are using our core technology to collect, process, display and print data
◆ Intelligent automatic testing program, disordered login, disordered testing and automatic scheduling the test
◆ Powerful system expansion function, distributed network structure, support one station of multiple lines and one line of multiple work stage.
◆ With perfect self-checking function, we can remote maintenance from time to time, and network server is convenient for users to upgrade and maintain
◆ The system calibration is simple, accurate and reliable. The tester adopts integral welding with high strength, which is without foundation bolt installation, and can be convenient installed and debugged

集中式两轮型摩托车布局图
Layout for 2 wheel motorcycle test line

安检机构检测线产品案例
Vehicle performance testing test station cases

小车检测车间布局图
Layout of testing workshop for Light duty

大车检测车间布局图
Layout of testing workshop for Heavy duty

全车型摩托车布局图
Layout for 2 & 3 wheels motorcycle test line

C 产品简介
Product Introduction

(CT-EWB) 型全自动汽车二级维护、检测线
Model CT-EWR Fully Automatic Automobile Level 2 Maintenance and Safety Test Line

检测机构场地主要要求

依据《中华人民共和国道路运输条例》及GB/T16739《维修企业开业条件》、《车辆维修管理规定》等规章及有关标准研制配套的全自动车辆性能检测线。该产品根据配置需求可以进行汽车的轮重、侧滑、制动、底盘间隙、前照灯、尾气排放等多功能测试。采用单工位集中测控系统，检测控制、数据采集处理、显示存储、打印管理等工作可由同台计算机完成，结构简单、性能稳定可靠。广泛应用于汽车维修厂、客运企业和二级维护检测机构等。

技术参数与配置表

设备名称	型号	维修厂	技术参数
汽车制动台	CTFZ-10/15	需配	采用武钢优质钢板 245mm 粘砂大滚筒 附着系数 >0.82 (国标 >0.65) 求值误差 <1.5% (国标≤ ±3%)
汽车轮重仪	CTZZ-10/15	需配	通过式双边称重高精度传感器武钢优质钢板
汽车侧滑台	CTCH-10/15	需配	双板 (宽板 1000X500) 联动同步性误差 <;±0.04mm(国标≤±0.2mm) 高精度滚柱武钢优质钢板水平初始拉力 <25N(国标 <39.2N)
汽车废气分析仪	CTW-511/411	按需配	可检 HCCO1CO2O2\NO 五种气体 /4 种自动计算显示空燃比入、高平衡精度自动进行数据线性化处理气路阻塞时自动报警，RS232 接口双急速测试，配转速夹
不透光烟度计	CTY-201	按需配	符合 1S01161 和 GB3847-1999 标准要求测量单位采用分流式技术，测量端油机的排烟设有转速油湿测试，与上位机等通讯功能
前照灯检测仪	CTD-5A/3C	需配	操作简单、快捷、方便、直观可检测前照灯远、近光
测控系统	CT-V1.0	需配	主控 / 登录计算机 1 台、液晶显示器 1 台、LED 指引屏 1 套、专利机柜 1 台、打印机 1 台、含全套登录 / 检测 / 管理 / 报表打印软件

客户案例 Customer cases

3 台体配置
Three testers

2 台体配置
Two testers

卡特世二维线检测车间平面示意图

检测线特点

- 德国技术测控模块，采集数据稳定、可靠
- 将来可升级为车辆安全性能检测线或综合性能检测线
- 集中控制、简单稳定可靠
- 独特的操作与检测技术
- 符合GBT16739.1-2-2014《汽车维修业开业条件》

产品简介 C
Product Introduction

(CT-JXB)型全自动汽车教学检测线
Model CT-JXB Fully automatic Automobile Teaching Test line

产品描述:

专门为汽车维修与检测类专业教学单位设计的主要用于汽车检测教学的全自动检测线。该产品根据配置需求可以进行汽车的车速、侧滑、制动、悬架、底盘测功、前照灯、尾气排放、发动机综合分析等多项功能测试。通过该产品的使用，学生可以更快更直观的掌握先进的数字化网络化汽车性能检测技术。提高对汽车故障的诊断水平和认识。广泛应用于教学、科研单位。

主要特点:

德国技术测控模块,采集数据稳定、可靠,系统可任意进行故障模拟,教学生动直观,系统内置相关国家检测标准及知识、扩展知识面,无线技术方便教学,简单智能全方位支持教学。

技术参数:

项 目	汽车悬架台	项 目	汽车侧滑台
悬架检测台(带轮重功能)	CTXX-3J	侧滑检测台(单板)	CTDCH-3J
最大允许通过轴重 (kg)	4000	最大允许轴荷 (Kg)	3000
最大检测轮荷 (kg)	1500	测试范围 (m/km)	±15
振动板尺寸 (mm)	650X400	侧滑板尺寸 (mm)	460X500
振幅 (mm)	6	示值误差 (m/km)	±0.2
振动频率 (Hz)	>23	电机电源	AC 220V,50HZ
电源功率 (kw)	2个 ×2.2kw		
电机电源	三相 380V,50Hz		

项 目	底盘测功机	项 目	汽车制动台
底盘测功机	CTDCG-3J	制动检测台	CTFZ-3J
最大允许轴荷 (kg)	3000	最大允许通过轴荷 (kg)	4000
最大吸收驱动力 (N)	10000	最大检测轴重 (kg)	3000
车速测量范围 (kmh)	20---120	制动力测量范围 (N)	0---12500
最大吸收功率 (kW)	160	车轮直径 (mm)	500---800
滚筒尺寸 (mm)	Φ216x850	滚筒尺寸 (mm)	Φ245x700
前后滚筒轴距 (mm)	480	滚筒轴距 (mm)	432
车速测量示值误差 (%)	≤ ±1	电机功率 (kW)	2个 X3kw
功率测量示值误差 (%)	≤ ±3	电机电源	三相 380V50Hz
气源气压 (Mpa)	0.6---0.8		

客户案例 Customer cases

C 产品简介
Product Introduction

摩托车出厂质保线
Motorcycle factory warranty line

全车型摩托车出厂质保示意图
Layout for the 2&3 wheels motorcycle factory test line

满足最新国家标准
- GB7258《机动车运行安全技术条件》
  Technical specifications for safety of power-driven vehicles operating on roads
- GB38900《机动车安全技术检验项目和方法》
  Items and methods for safety technology inspection of motor vehicles
- GB/T28946《移动式摩托车安全技术检测线》
  Mobile motorcycle safety technology inspection lane
- JT/T478《汽车检测机构计算机控制系统技术规范》

检测线特点
- 机动车辆管理部门、摩托车安全检测机构、摩托车、电动车制造厂和修理厂

检测项目
- 外检、制动、轮重、轮偏、车速、废气、灯光、声级等(制造厂出厂质保线)
- 轮重、制动、灯光、声级等(安检机构)

适用范围
- 机动车辆管理部门、摩托车安全检测机构、摩托车/电动车制造厂和修理厂等
- 三辆车可同时上线检测，检测效率高
- 变频调速、使设备快速达到设定值、安装标定简单方便
- 全自动复检、自检功能，结构独特、可靠性好、测量准确可靠
- 高精度传感器、检测精度高重复性好
- 采用数字通讯技术、可靠性强、模块化结构维护方便
- 检测台台体采用整体焊接，强度高，无需地脚螺栓安装，安装调试方便

分类与布局
- 摩托车检测线分两轮型和全车型两种。两轮型检测线只能检测两轮摩托车，全车型检测线除了能检测两轮摩托车外，还可检测正三轮、偏三轮摩托车等。

Suitable service enterprises
- Motor vehicle management departments. Motorcycle safety testing institutions. Motorcycle and EV manufacturers and repair shops, etc.
-

Testing items
- External inspection, brake, wheel load, wheel alignment, speed, acceleration, exhaust gas, headlight, sound level, etc.(which is suitable for the motorcycle / tricycle manufacturer)

  External inspection, brake, wheel load, headlight, sound level, etc.(which is suitable for the motorcycle /tricycle test station)

The features of the test line
- The test line can test two wheel or three wheel motorcycles or four wheel electric vehicles with axle weight more than 300kg and less than 1000kg
- Three vehicles can be tested online at the same time
- With frequency conversion adjustment, so that the equipment can quickly reach the set value. The installation and calibration of the test lines are simple and convenient
- Full automatic recheck and self-inspection function with unique structure of the test line.
- High precision sensor and high detection accuracy as well as good repeatability of the test line
- Digital communication technology, which is using the modular structure and convenient to maintenance
- The platform is welded as a whole with high strength, without foundation bolt to install the tester.

Introduction of test line
The motorcycle test line is divided into two types: 2-wheel type and 2&3 wheels type.
The 2-wheel test line can only test two-wheel motorcycles. In addition to testing two-wheel motorcycles, the 2&3 wheel test line can also test tricycle, etc.

环保检测线系列
Environmental Protection Testing Line Series

环保检测线平面布局简图：
Layout diagram of EP test line

环保检测线分类 The introduction of EP Test line

CTASM-3轻型汽油车稳态工况法排汽检测设备
CTVMS-3轻型汽油车简易瞬态工况法排气检测设备
CTLGD-3轻型柴油车加载减速工况法烟度检测设备
CTLGD-13重型柴油车加载减速工况法烟度检测设备
CTASMLGD-3轻型车汽柴油工况法混合排放检测设备

满足最新的国家标准和规范 Meet the latest National standard

- GB17691《重型柴油车污染物排放限值及测量方法(中国第六阶段)》
- GB18285《汽油车污染物排放限值及测量方法(双怠速法及简易工况法)》
- GB3847《柴油车污染物排放限值及测量方法(自由加速法及加载减速法)》
- 国家环保总局所发布的《在用机动车排放污染物检测机构技术规范》
- 当地政府主管部门发布的机动车排放检测相关规定

CTASM-3 轻型汽油车稳态工况法排汽检测设备
CTASM-3 设备配置清单(实配为准)：

序号	设备名称	数量	品牌	备注
1	底盘测功机	1	卡特世	核心部件采用进口风冷式电涡流测功器，性能稳定，使用寿命长，德国进口传感器。 滚筒直径为 217mm(轻型)，160 千瓦涡轮机； 气囊举升，使用期内免维护，工作可靠，其寿命为举升 10 万次 采用整体框架，安装方便；与风冷式电涡流测功器直联，传动效率高 带模拟惯量飞轮，基本惯量 907±16kg 优质钢板弯折整体焊接机身、强度好、外形美观 气囊举升，同步性好，免维修、免加油
2	数采模块	1	卡特世	自主知识权，嵌入式智能模块，数据采集系统，检测专用机柜，带滚轮
3	测功电控模块	1	卡特世	自主知识产权，无产权纠纷
4	工业控制计算机	1	工控	工控电脑主机带显示器键盘鼠标
5	司机助	1	卡特世	显示器、带支架
6	变频器	1	国产	485 高速干扰借口，高过载能力
7	控制软件	1	卡特世	WINDOWS 操作平台，包括系统设置、检测功能(包括"稳态工况法检测""无功排放检测"、"底盘测功检测""参数设置"、"系统检定")远程登录自诊断功能数据检索查询等多功能模块。
8	低噪声轴流通风机	1	国产	冷却系统。0.75kw、电压 220V、转速 1400r/min\ 压力 236-106Pa
9	安全挡轮	1	卡特世	检测线专用
10	标定架	1	卡特世	检测线专用
11	三角架	1	卡特世	检测线专用
12	附件，线缆及其他	1	国产	检测线专用
13	检测控制机柜	1	卡特世	专利技术
14	转速计	1	国产	采用数字处理系统，响应时间快；测量简单方便，可通过 OBD 读取发动机转速。适用于工况法或双怠速法检测。
15	机动车排气分析仪	1	国产	采用不分光红外法测量机动车排气中的 CO、HC、CO2、NO，采用电化学原理测量 O2。并根据测得的 CO、CO2、HC 和 O2 数值计算过量空气系数 λ 值。满足 GB3847 、GB18285 设备要求
16	OBD 检测仪	1	卡特世	OBD 数据采集分析
17	外检拍照手机	1	华为	PDA 使用
18	交换机	1	D-LINK	8 口千兆
19	零气发生器	1	国产	检测线专用，配合新标准与要求

主要配置产品照

CTASM-3 轻型汽油车稳态工况法排放检测设备

系统由底盘测功机、五气分析仪、冷却装置、司机助、安全限位装置、惯量模拟装置、发动机转速仪、环境站和计算机控制系统等部件组成。测试过程分为两个等速工况段：ASM5025(5024) 工况、ASM2540 工况。系统在工况测试过程中按照国标规定的载荷自动进行加载模拟，从而准确测试出汽车在一定道路负荷状态下的 CO、HC、NOx 的排放污染物浓度。

主要特性和特点

- 具有符合最新国标GB18285指定的加速模拟工况测试功能，GB14621指定的双怠速测试功能。
- 不仅具有符合国家标准的汽车排放污染物测试功能(双怠速测试、加速模拟工况测试)，还可根据用户指定工况进行测试。
- 仪器平台全套进口组件而成。
- 具有自动校零功能，自动化程度高。
- 仪器界面人性化设计，菜单式操作，使用更加方便。
- 可靠的气泵、过滤系统设计，可以避免长期使用造成对传感器的污染。
- 独特的阻水结构，有效防止仪器进水，提高仪器稳定性。
- 可通过RS-232串口与PC机的通讯。
- 符合国际标准1S03930或01MLR9900级精度要求。

产品简介
Product Introduction

环保检测线系列
Environmental Protection Testing Line Series

主要配置产品照

CTVMS-3 设备配置清单(实配为准):

序号	设备名称	数量	品牌	备注
1	底盘测功机	1	卡特世	核心部件采用进口风冷式电涡流测功器,性能稳定,使用寿命长,德国进口传感器。 滚筒直径为 217mm(轻型),160 千瓦涡轮机; 气囊举升,使用期内免维护,工作可靠,其寿命为举升 10 万次 采用整体框架,安装方便;与风冷式电涡流测功器直联,传动效率高 带模拟惯量飞轮,基本惯量 907±16kg 优质钢板弯折整体焊接机身、强度好、外形美观 气囊举升,同步性好,免维修、免加油
2	数采模块	1	卡特世	自主知识权,嵌入式智能模块,数据采集系统,检测专用机柜,带滚轮
3	测功电控模块	1	卡特世	自主知识产权,无产权纠纷
4	工业控制计算机	1	工控	工控电脑主机带显示器键盘鼠标
5	机动车排放气体测试仪	1	国产	采用进口 NDIR 平台测量 CO、HC、NO、CO2 浓度,电化学测量 O2,OO 级精度。通过 NO2-NO 转化器测量 NOx。满足 GB3847、GB18285 附录 D 简易瞬态法尾气分析仪的要求
6	司机助	1	卡特世	带支架
7	变频器	1	国产	485 高速干扰借口,高过载能力
8	控制软件	1	卡特世	WINDOWS 操作平台,包括系统设置、检测功能(包括"瞬态工况法检测""无功排放检测"、"底盘测功检测""参数设置"、"系统检定")远程登录、自诊断功能、数据检索查询功能多功能模块。
9	低噪声轴流通风机	1	国产	0.75kw、电压 220V、 转速 1400r/min\ 压力 236-106Pa
10	安全挡轮	1	卡特世	检测线专用
11	标定架	1	卡特世	检测线专用
12	三角架	1	卡特世	检测线专用
13	附件,线缆及其他	1	国产名牌	检测线专用
14	检测控制机柜	1	卡特世	检测线专用
15	汽车排气流量分析仪	1	国产	简易瞬态工况 VMAS 专用
16	转速计	1	国产	采用数字处理系统,响应时间快;测量简单方便,可通过 OBD 读取发动机转速。适用于工况法或双怠速法检测。
17	OBD 检测仪	1	卡特世	OBD 数据采集分析
18	外检拍照手机	1	华为	PDA
19	交换机	1	D-LINK	8 口千兆
20	零气发生器	1	国产	检测线专用,配合新标准与要求

CTVMS-3 轻型汽油车简易瞬态工况法排气检测设备

系统由底盘测功机、尾气分析仪、汽车排气流量分析仪、冷却装置、司机助、安全限位装置、惯量模拟装置、发动机转速仪、环境站和计算机控制系统等部件组成。

简易瞬态工况采用 15 工况 195 秒的工况曲线测试,全面涵盖急速、加速、等速和减速等各种工况,系统实时采集流量计测量的尾气排放流量值,同时采集尾气分析仪测量的尾气浓度值,通过浓度和流量的计算最终得到各种污染物每公里的排放质量(g/km)。

主要特性和特点

- 测控硬件系统由工控计算机和自主知识产权的前端处理装置组成,使测控系统具备高实时性、高可靠性和足够的灵活性
- 采用全数字式控制方式及自适应算法,控制精度高,响应速度快
- 采用Windows操作平台,操作简便直观,稳定性极高
- 核心部件采用进口风冷式电涡流测功器,性能稳定,使用寿命长
- 气囊举升,使用期内免维修,工作可靠,其寿命为举升10万次
- 采用整体框架,安装方便;与风冷式电涡流测功器直联,传动效率高
- 优质钢板弯折整体焊接机身、强度好、外形美观
- 气囊举升,同步性好,免维修、免加油
- 多种测试结果和过程曲线显示和打印输出
- 配置以太网接口和RS-232-C串行接口,方便环保部门联网

客户案例 Customer cases

环保检测线系列
Environmental Protection Testing Line Series

主要配置产品照

序号	名称	数量	品牌	备注
1	底盘测功机	1	卡特世	核心部件采用进口风冷式电涡流测功器，性能稳定，使用寿命长，德国进口传感器。 滚筒直径为217mm(轻型)160千瓦涡轮机; 气囊举升，使用期内免维护，工作可靠，其寿命为举升 10 万次 采用整体框架，安装方便；与风冷式电涡流测功器直联，传动效率高 带模拟惯量飞轮，基本惯量 907±16kg 优质钢板弯折整体焊接机身、强度好、外形美观 气囊举升，同步性好，免维修、免加油
2	数采模块	1	卡特世	自主知识权,嵌入式智能模块,数据采集系统,检测专用机柜，带滚轮
3	测功电控模块	1	卡特世	自主知识产权，无产权纠纷
4	工业控制计算机	1	工控	工控电脑主机带显示器键盘鼠标
5	烟度计	1	国产	测量柴油车的尾气不透光度,采用"空气气幕"保护技 术，使光学系统免遭排烟污染；测量室恒温控制,防止 水气凝结;大屏幕液晶显示。满足 GB3847 、GB18285 用于加载减 速法测量中配合 尾气排放检测仪 一起使用。
6	司机助	1	卡特世	显示器、带支架
7	变频器	1	国产	485 高速干扰借口，高过载能力
8	控制软件	1	卡特世	WINDOWS 操作平台，包括系统设置、检测功能（包括"瞬态工况法检测""无功排放检测"、"底盘测功检测""参数设置"、"系统检定"）远程登录、自诊断功能、数据检索查询等多功能模块。
9	低噪声轴流通风机	1	国产	0.75kw、电压 220V、 转速 1400r/min\ 压力 236-106Pa
10	安全挡轮	1	卡特世	检测线专用
11	标定架	1	卡特世	检测线专用
12	三角架	1	卡特世	检测线专用
13	附件，线缆及其他	1	国产	检测线专用
14	检测控制机柜	1	卡特世	专利技术
15	转速计	1	国产	采用数字处理系统，响应时间快；测量简单方便，可通过 OBD 读取发动机转速。适用于工况法或双怠速法检测。
16	机动车排放气体测试仪	1	国产	采用进口 NDIR 平台测量 CO、CH、NO、CO2 浓度，电化学测量 O2，OO 级精度。满足 GB3847、GB18285 附录 B 的稳态工况法尾气分析仪的要求
17	汽车排放气体测试仪	1	国产	采用进口 NDIR 平台测量 NO、CO2 浓度，OO 级精度。通过 NO2-NO 转化器测量柴油车 NOx 的检测。满足 GB3847 、GB18285 设备要求
18	OBD 检测仪	1	卡特世	OBD 数据采集分析
19	外检拍照手机	1	华为	PDA
20	交换机	1	D-LINK	8 口千兆
21	零气发生器	1	国产	检测线专用，配合新标准与要求

CTASMLGD-3 轻型车汽柴油工况法混合排放检测设备

- 本系统由底盘测功机、五气分析仪、不透光烟度计、冷却装置、司机助、安全限位士装置、惯量模拟装置、发动机转速仪、环境站和计算机控制系统等部件组成。可对分别对汽油车和柴油车排放进行环保工况法检测。
- 测控硬件系统由工控计算机和自主知识产权的前端处理装置组成，使测控系统具
- 备高实时性、高可靠性和足够的灵活性
- 采用全数字式控制方式及自适应算法，控制精度高，响应速度快
- 采用Windows操作平台，操作简便直观，稳定性极高
- 核心部件采用进口风冷式电涡流测功器，性能稳定，使用寿命长
- 气囊举升，使用期内免维修，工作可靠，其寿命为举升10万次
- 采用整体框架，安装方便；与风冷式电涡流测功器直联，传动效率高
- 优质钢板弯折整体焊接机身、强度好、外形美观
- 气囊举升，同步性好，免维修、免加油
- 多种测试结果和过程曲线显示和打印输出
- 配置以太网接口和RS-232-C串行接口，方便环保部门联网

客户案例 Customer cases

产品简介
Product Introduction

环保检测线系列
Environmental Protection Testing Line Series

主要配置产品照

CTLGD-13 设备配置清单(实配为准):

序号	设备名称	数量	品牌	备注
1	底盘测功机	1	卡特世	1、符合最新国家标准 GB17691《重型柴油车污染物排放限值及测量方法》 2、采用优质钢板、∮ 373 mm 滚筒、滚筒长度 1100mm,300kw 电风冷涡流机、反拖电机,气囊举升
2	数采模块	1	卡特世	自主知识产权,嵌入式智能模块,数据采集系统,检测专用机柜,带滚轮
3	测功电控模块	1	工控	工控电脑主机带显示器键盘鼠标
4	工业控制计算机	1	国产	工控电脑主机带显示器键盘鼠标
5	烟度计	1	国产	测量柴油车的尾气不透光度,采用"空气气幕"保护技 术,使光学系统免遭排烟污染;测量室恒温控制,防止 水汽凝结;大屏幕液晶显示。满足 GB3847、GB18525 用于加载减 速法测量中配合 5102 一起使用。
6	司机助	1	卡特世	显示器、带支架
7	变频器	1	国产	485 高速干扰借口,高过载能力
8	控制软件	1	卡特世	WINDOWS 操作平台,包括系统设置、检测功能(包括"瞬态工况法检测""无功排放检测"、"底盘测功检测""参数设置"、"系统检定")远程登录、自诊断功能、数据检索查询功能都能功能模块。
9	低噪声轴流通风机	1	国产	2.2kw、电压 220V、 转速 1420r/min\ 压力 322-208Pa
10	安全挡轮	1	卡特世	检测线专用
11	标定架	1	卡特世	检测线专用
12	三角架	1	卡特世	检测线专用
13	附件,线缆及其他	1	国产	检测线专用
14	检测控制机柜	1	卡特世	专利技术
15	转速计	1	国产	采用数字处理系统,响应时间快;测量简单方便,可通过 OBD 读取发动机转速。适用于工况法或双怠速法检测。
16	汽车排放气体测试仪	1	国产	采用进口 NDIR 平台测量 NO、CO2 浓度,OO 级精度。通过 NO2-NO 转化器测量柴油车 NOx 的检测。满足 GB3847、GB18525 设备要求
17	OBD 检测仪	1	卡特世	OBD 数据采集分析
18	外检拍照手机	1	华为	PDA
19	交换机	1	D-LINK	8 口千兆
20	零气发生器	1	国产	检测线专用,配合新标准与要求

CTLGD-13 重型柴油车加载减速工况法烟度检测设备

(LUG-DOWN) 排放检测系统由底盘测功机、不透光烟度计、冷却装置、司机助、安全限位装置、惯量模拟装置、发动机转速成仪、环境站和计算机控制系统等部件组成。柴油车置于底盘测功机上,按照国标规定的加载减速工况程序加载,检测最大轮边功率和相对应的发动机转速和转鼓线速度 (VelMaxHP),检测 (VelMaxHP) 点、90%VelMaxHP 点和 80%VelMaxHP 点 3 个点的烟度值,根据标准限值判断该车排放污染物是否超标。

检测原理:

重型柴油车加载减速工况法排放测试系统是本公司按照 GB3847-2005《车用压燃式发动机和压燃式发动机汽车排放烟度排放限制及测量方法》研制生产的。适用于装有柴油发动机、允许轴载质量 13000kg,最大设计速度不低于 50km/h 的在用柴油车进行加载减速工况烟度检测。在测试车速大于活等于 50km/h 时,PAU 能够连续稳定吸收 250kw(单轴)、500kw(双轴) 的功率 5min 以上。适用轴载质量 13000kg 以下,发动机额定功率 320(单轴)/640kw(双轴) 以下的重型柴油车。

重型柴油车加载减速工况法排放检测系统采用我公司自行研制的 MHCG-1300 型底盘测功机为测试平台。该测功机峰值吸收功率为 1000kw(70km/h);最高试验车速 130km/h;速度测试误差 ±0.16km/h;驱动力测试误差 ±1.0%;恒速控制误差 ±0.2km/h;恒扭矩控制误差 ±1%;功率控制误差 ±0.2kw,满足标准要求。

主要特性和特点

- 本公司生产的CTLGD-13型工况法重型底盘测功机,功能完备,性能优异。符合GB3847-2005《车用压燃式发动机和压燃式发动机汽车排气可见污染物排放限值及测量方法自由加速烟度法及工况法》
- 测控硬件系统由工控计算机和自主知识产权的前端处理装置组成,使测控系统具备高实时性、高可靠性和足够的灵活性
- 采用全数字式控制方式及自适应算法,控制精度高,响应速度快
- 采用Windows2000操作平台,操作简便直观,稳定性极高
- 核心部件采用进口风冷式电涡流测功器,性能稳定,使用寿命长
- 滚筒直径为373mm气囊举升,使用期内免维护,工作可靠,其寿命为举升10万次
- 采用整体框架,安装方便;与风冷式电涡流测功器直联,传动效率高
- 优质钢板弯折整体焊接机身、强度好、外形美观
- 气囊举升,同步性好,免维修、免加油
- 多种测试结果和过程曲线显示和打印输出
- 配置以太网接口和RS-232-C串行接口,方便环保部门联网

底盘测功机主要技术参数 (CTDCG-13)

项目	单位	CTDCG-13
额定轴荷	kg	13500
试验速度	km/h	130
车速显示误差	%	1
最高转速	km/h	130
基本惯量	kg	1450±20
滚筒直径	mm	∮ 373 或 452
滚筒长度	mm	1100

注意:以上尺寸,公司技术部改进不另行通知,以当时合同签定为准。

客户实例

M站尾气智能诊断系统
M station test line series

产品主要图

主要特性和特点

- ◆ AI智能诊断并自动推荐治理项目和方法。确保治理合格率达98%
- ◆ 仪器采用超大触摸液晶显示屏，标配流量显示功能。
- ◆ 仪器精度符合国家计量00级精度要求和检测项目
- ◆ 可简单升级为I站相同仪器（性价比高）
- ◆ 检测仪器标定校准简单快捷，可无线连接随时远程免费升级
- ◆ 可以检测HC、CO、C O、O、NO x 的浓度、光吸收数、不透光度
- ◆ 具备监管部门联网功能，形成闭环式监管，治理前后报告单与实时影像可根据当地要求实时上传，打印三单一证
- ◆ 云数据诊断平台、智能检测系统、工控一体机配备21.5英寸显示器，人性化机柜，配套鼠标键盘以及打印机。
- ◆ 配备32英寸大屏幕司机助手及可移动支架，方便直观监测检测结果
- ◆ 增加配置可含氮氧转化（N O）检测仪(可检测氮氧化合物NO x）

客户案例 Customer cases

M 站尾气智能诊断系统配置明细

序号	配置 / 类别	汽柴混合尾气智能诊断系统			汽油型尾气智能诊断系统			柴油型尾气智能诊断系统			汽柴混合尾气智能诊断系统 / 含氮氧化合物			数量
		A	B	C	A	B	C	A	B	C	A	B	C	
		CTCQ-101 型	CTCQ-102 型	CTCQ-103 型	CTQ--201 型	CTQ-202 型	CTQ-203 型	CTC-301 型	CTC-302 型	CTC-303 型	CTDY-101 型	CTDY-102 型	CTDY-103 型	
1	不透光烟度计	√	√	√	O	O	O	√	√	√	√	√	√	1套
2	尾气分析仪	√	√	√	√	√	√	O	O	O	√	√	√	1套
3	氮氧转化检测仪	O	O	O	O	O	O	O	O	O	√	√	√	1套
4	高精度转速检测仪	√	√	O	√	√	O	√	√	O	√	√	O	1套
5	32 寸司机助手电视	√	O	O	√	O	O	√	O	O	√	O	O	1台
6	油温传感器	√	√	O	√	√	O	√	√	O	√	√	O	1套
7	内窥镜探头	√	O	O	√	O	O	√	O	O	√	O	O	1个
8	移动式机柜	√	√	√	√	√	√	√	√	√	√	√	√	1个
9	21 寸电脑一体机	√	√	√	√	√	√	√	√	√	√	√	√	1台
10	键盘、鼠标	√	√	√	√	√	√	√	√	√	√	√	√	1套
11	A4 打印机	√	√	√	√	√	√	√	√	√	√	√	√	1台
12	电视支架	√	O	O	√	O	O	√	O	O	√	O	O	1套
13	分频器	√	O	O	√	O	O	√	O	O	√	O	O	1个
14	1.5米VGA线	√	O	O	√	O	O	√	O	O	√	O	O	1个
15	线材配件	√	√	√	√	√	√	√	√	√	√	√	√	1套
16	串口线	√	√	√	√	√	√	√	√	√	√	√	√	2根
17	插排	√	√	√	√	√	√	√	√	√	√	√	√	2个
18	15米VGA线	√	O	O	√	O	O	√	O	O	√	O	O	1条
19	检测系统应用程序（卡特世）	√	√	√	√	√	√	√	√	√	√	√	√	1套

注：√表示有，O 表示无。

C 产品简介
Product Introduction

滚筒三合一检测线
Roller 3-in-1 vehicle test line

产品特点：

1、专利技术生产的制动台粘砂滚筒，能保证20万次检测寿命，滚筒表面摩擦系数0.85以上，测试速度高达2.5 Km/h
2、汽车制动轴重复合检测台采用高效率自锁变速马达（3.0kw/380V），经久耐用，可升级为制动轮重复合检测台
3、汽车侧滑台具有轮胎侧向弹性力释放装置，有效提高检测汽车前轮侧滑量的精确度和准确性。汽车侧滑台可由单板侧滑台升级为双板侧滑台
4、汽车检验台最大可通过轴载为4000kg的汽车；使用工业控制计算机控制，自动流程操作、免教学
5、检测线可配置前照灯检测仪、废气分析仪、烟度计、声级计、监控摄像和联网接口等，所有检测结果通过一张报表显示
6、自主知识产权软件，检测系统可选择手动单工位、半自动、全自动操作检测
7、可自动打印并判定检测结果，可按时间、车牌、车型等自动快速查询检测数据和记录
8、系统内置最新的国家标准，用户可更改检测判定标准数值，可定制多种需求的软件，功能配置灵活。
9、系统信号数据采集极快，引车员脚踩刹车的同时，系统软件界面即可边绘画制动力过程曲线
10、满足GBT 16739-2014《汽车维修业开业条件》

CTGT-3-3 Roller trinity vehicle test line

1、Using the patented technology to produce the sanding roller of the brake
tester can guarantee 200000 times of testing life, the friction coefficient of the roller surface is more than 0.85, and the testing speed is up to 2.5km/h
2、High efficiency self-locking variable speed motor (3.0kw / 380V) is adopted for the roller brake tester with axle load, and the product is durable and can be upgraded to the brake tester with wheel load
3、Sideslip tester with tire lateral elastic force release device, which check the car front wheel side slip in effectively improve the precision and accuracy. Automobile sideslip tester can be upgraded from single plate sideslip tester to double plate sideslip tester
4、Largest through- axial load is 4000 kg; Industrial control computer controlled
5、The test line can be equipped with headlight tester, gas analyzer, Opacimeter, sound level meter, monitoring camera, networking interface, etc., and all test results are displayed in one report
6、Independent intellectual property software, the detection system can choose manual single station, semi-automatic, full-automatic operation detection
7、 It can automatically print and judge the test results, and can automatically and quickly query the test data and records according to time, license plate, vehicle model, etc.
8、The system is built-in with the latest national standards, users can change the value of detection and judgment standards, and can customize a variety of software requirements, with flexible function configuration.
9、 The system signal data acquisition is very fast. When the driver steps on the brake, the system software interface can draw the brake force process curve at the same time
10、 Meet GBT 16739-2014 automobile maintenance industry opening conditions

技术参数 Technical parameters

序号 No.	项目 Items		CTGT-3-3	CTGT-3-3C
1	最大允许轴荷 The max.axle load		4000kg	4000kg
2	适用轮距 Applied wheel tread		800-2200mm	800-2200mm
3	电机功率 Motor Power		3KW*2	3KW*2
4	电源 Power supply		AC380V±10%50HZ	AC380V±10%50HZ
5	制动轴(轮)重复合检测台 Roller brake tester with axle(wheel) load	滚筒直径 Roller diameter	∮ 245×700mm	∮ 245×700mm
		滚筒中心距 Roller center distance	430mm	430mm
		制动力测试范围 Braking force test range	0-9000N	0-9000N
		示值误差 Indicating error	±3%	±3%
6	侧滑台 Sideslip tester	测试范围 Test range	±10m/km (单板 single plate)	±15m/km (双板 single plate)
		示值误差 Indicating error	±0.2m/km	±0.2m/km

CTGT-3-3 滚筒三合一检测线
CTGT-3-3 Roller Trinity Test Line

CTGT-3-3单板侧滑型案例(With single plate sideslip tester)

CTGT-3-3C双板侧滑型案例 (With double plate sideslip tester)

流简四合一检测线
Roller 4-in-1 vehicle test line

序号 No.	项目 Items		CTGT-3-4	CTGT-3-4C
1	最大允许轴荷 The max.axle load		4000kg	4000kg
2	适用轮距 Applied wheel tread		800-2200mm	800-2200mm
3	电机功率 Motor Power		3KW*2 2.2KW*2	3KW*2 2.2KW*2
4	电源 Power supply		AC380V±10%50HZ	AC380V±10%50HZ
5	制动台 Break tester	滚筒直径 Roller diameter	∮ 245×700mm	∮ 245×700mm
		滚筒中心距 Roller center distance	430mm	430mm
		制动力测试范围 Braking force test range	0-9000N	0-9000N
		示值误差 Indicating error	±3%	±3%
6	悬架台 Suspension tester	测试范围 Test range	0-1500kg	0-1500kg
		轴重示值误差 Axle load error value	±2%	±2%
7	侧滑台 sideslip tester	测试范围 Test range	±10m/km (单板 single plate)	±15m/km (双板 single plate)
		示值误差 Indicating error	±0.2m/km	±0.2m/km

Product features

◆ Using the patented technology to produce the sanding roller of the brake tester can guarantee 200000 times of testing life, the friction coefficient of the roller surface is more than 0.85, and the testing speed is up to 2.5km/h
◆ High efficiency self-locking variable speed motor (3.0kw / 380V) is adopted for the roller brake tester.
◆ Sideslip tester with tire lateral elastic force release device, which check the car front wheel side slip in effectively improve the precision and accuracy. Automobile sideslip tester can be upgraded from single plate sideslip tester to double plate sideslip tester
◆ Largest through- axial load is 4000 kg; Industrial control computer controlled
◆ The test line can be equipped with headlight tester, gas analyzer, Opacimeter, sound level meter, monitoring camera, networking interface, etc., and all test results are displayed in one report
◆ Independent intellectual property software, the detection system can choose manual single station, semi-automatic, full-automatic operation detection
◆ It can automatically print and judge the test results, and can automatically and quickly query the test data and records according to time, license plate, vehicle model, etc.
◆ The system is built-in with the latest national standards, users can change the value of detection and judgment standards, and can customize a variety of software requirements, with flexible function configuration. It is suitable for education use test line and R & D institutions.
◆ The system signal data acquisition is very fast. When the driver steps on the brake, the system software interface can draw the brake force process curve at the same time
◆ The suspension tester adopts imported damping coupling, which has no vibration during operation and can work for a long time without fault. While the motor of the suspension tester works, the system software interface can draw the suspension damping vibration curve at the same time.

◆ 专利技术生产的制动台粘砂滚筒，能保证20万次检测寿命，滚筒表面摩擦系数0.85以上，测试速度高达2.5 Km/h
◆ 汽车制动检测台采用高效率自锁变速马达(3.0kw/380V),经久耐用
◆ 汽车侧滑台具有轮胎侧向弹性力释放装置，有效提高检测汽车前轮侧滑量的精确度和准确性。汽车侧滑台可由单板侧滑台升级为双板侧滑台
◆ 汽车检验台最大可通过轴载为4000kg的汽车; 使用工业控制计算机控制，自动流程操作、免教学
◆ 检测线可配置前照灯检测仪、废气分析仪、烟度计、声级计、监控摄像和联网接口等，所有检测结果通过一张报表显示
◆ 自主知识产权软件，检测系统可选择手动单工位、半自动、全自动操作检测
◆ 可自动打印并判定检测结果，可按时间、车牌、车型等自动快速查询检测数据和记录
◆ 系统内置最新的国家标准，用户可更改检测判定标准数值，可定制多种需求的软件，功能配置灵活。适用于教学检测线以及研发机构。
◆ 系统信号数据采集极快，引车员脚踩刹车的同时，系统软件界面即可边绘画制动力过程曲线
◆ 悬架台采用进口减振联轴器，运行无任何振动，可无故障长期工作.悬架台电机一边工作的同时，系统软件界面即可边绘画出悬架阻尼振动曲线。

客户实例

CTGT-3-4 单板侧滑型案例
With single plate sideslip tester

CTGT-3-4C 双板侧滑型案例
With double plate sideslip tester

产品简介
Product Introduction

超薄型平板制动检测台
Ultra-flat plate brake tester

型号 Model	2CTPB-3-4	4CTPB-3-4	2CTPB-10
最大轴载质量 (kg) Max. axle-load (kg)	3000kg	3000kg	10000kg
制动测试范围 (kN) Braking test range (kN)	10kN	10kN	40kN
侧滑测量范围 (m/km) Sideslip Test Scope (m/km)	0-±15m/km	0-±15m/km	0-±15m/km
制动力示值误差 Braking force error value	≤ ±3%	≤ ±3%	≤ ±3%
侧滑测试精度 (m/km) Sideslip test precision (m/km)	≤ 0.2m/km	≤ 0.2m/km	≤ 0.2m/km
轴重示值误差 Axle load error value	≤ ±2%	≤ ±2%	≤ ±2%
称重板尺寸 Weighing plate size	610*1500(宽 * 长)	610*1500(宽 * 长)	1000*1800(宽 * 长)
组合方式 combination	2 板 /paltes	4 板 /plates	2 板 /plates（选配 4 板 /plates optional）
检测车速 (km/h) To detect the speed (km/h)	5-10km/h	5-10km/h	5-10km/h
电源 The power supply	220v 300w	220v 300w	220v 300w
板尺寸 (mm) Plate size (mm)	2554×610×50	4314×610×50	2854×1000×58(二 板 2 paltes)

产品描述:

由平板制动检测台为主组成的汽车平板制动检测线是在模拟实际平坦道路的平板上，机动车以 5 到 15k/h 的速度行驶其上，然后实施制动，一次性便可完成前（或后）轴动态测定制动力、轴（轮）重、悬架、侧滑等项目的检测。通过对制动板进行不同的组合，还可对汽车、摩托车、农用车等各种机动车进行多种制动性能的检测。我司引进欧洲最新技术制造的平板制动检测线，技术先进、设计合理、结构简单、性能稳定、使用维护方便、功能齐全、特别适用于汽车检测站，修理厂以及汽车专业教学和技术研究单位。

Features

The vehicle plate brake test line is mainly composed of plate brake tester, which is on the plate simulating the actual flat road. The motor vehicle runs on it at a speed of 5 to 15 km / h, and then implements the braking. The dynamic measurement of the front (or rear) axle braking force, axle (wheel) weight, suspension, sideslip and other items can be completed at one time. Through the different combination of the brake plate, it can also test the brake performance of various motor vehicles such as automobiles, motorcycles, agricultural vehicles, etc. Our company introduces the latest technology from Europe to manufacture the flat brake test bench. It has advanced technology, reasonable design, simple structure, stable performance, convenient use and maintenance, complete functions. It is especially suitable for automobile testing station, repair shop and automobile professional teaching and technical research unit.

4CTPB-3--4

4CTPB-3-4

2CTPB-3-4

2CTPB-3-4(超薄型)

产品简介 C
Product Introduction

豪华型平板制动检测台
Luxury flat plate brake tester

型号 Model	2CTHPB-3-4	4CTHPB-3B	2CTHPB-10	CTHPB-10B	CTHPB-10C
Max. Allowed Axle Weight 最大载荷质量(kg)	3000	3000	10000	10000	13000
Test Range of Brake Force 制动力测量范围(N)	10	10	35	35	45
Test Range of Sideslip Force 侧滑力测量范围(N)	0-±15	0-±15	0-±15	N/A	N/A
Indication Error of Braking Force 制动力示值误差	≤ ±3%	≤ ±3%	≤ ±3%	≤ ±3%	≤ ±3%
侧滑测试精度(m/km) Sideslip test precision (m/km)	≤ 0.2	≤ 0.2	≤ 0.2	≤ 0.2	≤ 0.2
Indication Error of Axle Weight 轴重示值误差	≤ ±2%	≤ ±2%	≤ ±2%	≤ ±2%	≤ ±2%
Size of the Weighing Plate 称重板尺寸	650*1500(宽*长) (Width*Length)	650*1500(宽*长) (Width*Length)	1000*1800(宽*长) (Width*Length)	1000*2500(宽*长) (Width*Length)	1000*3500(宽*长) (Width*Length)
Combination 组合方式	2 板 plates	4 板 plates	4 板 plates or 2 板 plates	4 板 plates or 2 板 plates	4 板 plates or 2 板 plates
Test Speed 检测车速(km/h)	5~10	5~10	5~10	5~10	5~10
Power Supply 电源	220v 300w	220v 300w	220v 300w	220v 300w	220v 300w
Dimension(Length*Width *Height) 外型尺寸(长*宽*高)	2790*746*80	4730*746*80	3140*1112*100	3150*1112*100	4150*1112*100

主要特性和特点:

- 可无需做混凝土基础,直接地面安装,占地面积小、安装调试使用方便
- 不需380V动力电源,运行成本低,节能,节约投资
- 平板制动台的板块结构可通过多种组合以适合检测各种轴距之车型
- 平板制动台的板块的设计和工艺以及制造,符合最新国家标准GB21861和GB7258的规定
- 进口技术高精传感器,响应极快,测试快捷精确。产品 最新理念、超薄设计。
- 机动车在板上制动,模拟技术更接近实际路面情况,测试效果更真实可靠
- 系统配多种联机接口,可配前照灯检测仪及尾气分析仪等以组成多功能综合性能检测线
- 可采用四板组合,可使车辆前、后车轮同时测试,能准确反映前后车辆的制动同步情况,真实测试制动力特性曲线及整车制动协调时间
- 全自动工作方式

Product Introduction:

- No need for concrete foundation installation, small occupation of land, convenient installation and commissioning.
- No need for 380 v power supply, low operating cost, saving energy, saving investment
- The plate structure of plate brake tester can be combined in many ways to be suitable for vehicle types with various wheelbases
- The design, process and manufacture of the plate of the flat brake tester comply with the latest national standards GB21861 and GB7258
- With imported high-precision sensor, fast response, and accurate test. The latest product concept, ultra-thin.
- Motor vehicle braking on board, the simulation technology is closer to the actual road conditions, and the test result is more real and reliable
- System with a variety of online interface, can match headlight tester and the gas analyzer to form such as multi-functional integrated performance test line
- Four plate combination can be adopted, which can make the front and rear wheels of the vehicle test at the same time, accurately reflect the brake synchronization of the front and rear vehicles, truly test the brake force characteristic curve and the brake coordination time of the whole vehicle
- Fully automatic operation system

4CTHPB-3B

2CTHPB-10

客户案例 Customer cases

产品简介
Product Introduction

CTFZ-15JZ 型滚筒反力式加载举升制动台
Roller opposite forces type automobile brake tester with lift

产品描述:

该制动台通过自配的液压泵站，可将制动滚筒举升，从而对所有重型货车各轴制动进行轴（轮）重加载检测。完全符合最新国标 GB21861-2014 加载制动检测设备对制动项目检测的要求。

技术参数:

- 可测轮重:7.5吨
- 最大制动力:39kN
- 加载举升行程:100mm
- 制动力示值误差:不大于1%
- 轮重示值误差:不大于1%
- 轮重分度值:1kg

主要特点:

1符合最新国标GB21861-2014
2液压同步举升滚筒
3框架结构、设计新颖先进

Introduction:

The tester can lift its own roller by hydraulic pump station, thus all heavy-duty truck can do all the axis (wheel) weight load testing. Which can meet the latest national standard GB21861 and can do the brake test for all kinds of heavy-truck vehicle.

Technical parameters:

Measurable wheel weight: 7.5 tons
The maximum braking force: 39 KN
Load lifting limit: 100 mm
Braking force error: value is not greater than 1%
Wheel load error: value is not greater than 1%
Wheel load index value: 1 kg

Main features:

1 Satisfied the latest national standard GB21861
2 hydraulic synchronizing lifting cylinder
3 With frame structures and modern design

软件界面Software interface:

客户案例 Customer case:

滚筒反力式汽车制动检测台
Roller brake opposite force tester

技术参数 Technical parameter

型号 Model	CTFZ-3	CTFZ-10	CTFZ-15
最大允许轴载质量 (kg) Max.axle load (kg)	3000	10000	15000
轮距 (内宽 / 外宽)(mm) Tread(inside/outside)(mm)	700(内)/2400(外)	700(内)/2700(外)	700(内)/2900(外)
制动力测量范围 kN) Brake force test scope (kN)	2×(0--10)	2×(0--30)	2×(0--45)
检测速度 (kmh] Testing speed (km/h)	2.5	2.5	2.5
滚筒直径 × 长度 (mm) Roller diameter*length (mm)	φ245×850	φ245×1000	φ245×1100
电机功率 (kW) Motor power (kW)	2×3	2×11	2×15
电源 Power Supply	380V 50Hz	380V 50Hz	380V 50Hz
外形尺寸 (mm) Dimension (mm)	2900×870×350	4560×880×400	4560×880×400

技术参数:

- GB/T13564-2005《滚筒反力式汽车制动检验台》;
- JJG906-2015《滚筒反力式制动检验台检定规程》;

产品描述:

滚筒反力式汽车制动检验台是用于测量被检车辆各轴 (左右轮) 制动力的仪器设备。其主要用于额定承载质量下汽车制动性能的测试，可检测计算汽车各轴 (左右轮) 阻滞力，制动力及制动力差 (过程差、最大差)、制动力与轴荷之比，以及手制动力与整车质量之比，同时加配踏板力计后还可检测制动踏板力及制动协调时间，记录和打印左右轮制动力曲线与踏板力曲线。该设备是机动车安全性能检测的核心部分，也是安全性能检测设备中技术性能要求较高的设备。

符合标准:

- 机体采用整体焊接，强度高，无需地脚螺栓安装，调试方便
- 滚筒采用高强度砂粒沾结，强度高，可达20万次检测，附着系数≥0.85
- 减速机为欧洲技术制造，电机、轴承、传感器等主要部件均为国内名牌产品，通过1S09001国际质量体系认证以及CE认证。
- 加装优质传感器，可组成制动轴重复合检测台，增加检测轴(轮)重项目，减少占地面积，节省投资
- 分带气囊举升装置和不带气囊举升装置供用户选择
- 分带第三滚筒和软件控制停机供用户选择
- 可升级为ABS制动台;可升级为四驱车检测制动台
- 可定制18-20吨特殊要求检测台体

Product description:

The roller brake tester is used to measure the braking force of each axle (left and right wheels) of the inspected vehicle. It is mainly used to test the braking performance of the vehicle under the rated load-bearing mass. The roller brake tester can test and calculation the each axis (left and right wheels) block force of car, brake force and the deviation of brake force (process deviation, and maximum deviation), as well as the ratio of brake force and axis load , the ration of hand brake force and whole quality of the car. As the foot brake pedal pressure gauge is installed, the brake pedal force and the brake coordination time can be detected, and around round business power curve and pedal force curve can be recorded and printed. The equipment is core part of the motor vehicle security performance detection and the high technical performance requirements of safety testing equipment.

Main features

- The main body is wholly welded, with high intension, no need to fix the main body on the ground with ground bolts and it is easy to adjust and install.
- The rollers are covered with high quality surface sand, advanced adhesives and technology, the adhesion modulus is above 0.85 in case of both dry and wet, the longevity is over 200000 times. Test precision is high, repetition performance is good, brake force errors <1.5% (National standard <3%).
- The reducer is manufactured by European technology, and the main parts of motor, bearing, sensor, etc. are all domestic famous brand products, which have passed ISO9001 international quality system certification and CE certification
- It can be equipped with high-quality sensors to form a brake tester with axle load, increase the items of testing the axle (wheel) load of the vehicle, which will reduce the floor area and save investment that means no need to buy a axle(wheel) load tester.
- You can choose the test bench with or without airbag lifting device.(The airbag lifting device is for the convenience of the vehicle entering and leaving the tester)
- With automatic stop device, to prevent tire abrasion. We can provide two options: the third roller stop device and the software controlled shutdown.
- The brake tester can be upgraded to ABS brake tester. Can be upgraded to test 4WD car

A型 (制动台)
A type:Roller brake tester

B型 (制动轴重台)
B type: Roller brake tester with axle load

C型 (制动轮重台)
C type: Roller brake tester with wheel load

C 产品简介
Product Introduction

汽车侧滑检测台
Vehicle Sideslip Tester

技术参数 Technical parameter

型号 Model	CTCH-3	CTCH-10	CTCH-15
最大允许轴载质量 (kg) Max.axle-load (kg)	3000	10000	15000
轮距(内宽 / 外宽)(mm) Applied wheel tread (width/wide)(mm)	700(内 width)/ 2400(外 width)/	700(内 width)/ 2700(外 width)/	700(内 width)/ 2900(外 width)/
检测范围 (m/km) Detection range (m/km)	±15	±15	±15
滑板尺寸 (mm) Sideslip board dimensions (mm)	500×850	1000×1000	1000×1100
外形尺寸 (mm) Dimensions (mm)	2700×660×200	3000×1420×180	3200×1420×180

产品描述:

汽车侧滑检验台主要用于测量由于汽车车轮外倾角和前束角共同作用而形成的侧滑量，用于检测机动车前轮直线行驶过程中，用滑动板左、右移动量来测量车轮滑移量的大小和方向，并判断被检车辆是否合格。是汽车安全性能检测的重要设备之一。它还能够辅助四轮定位仪进行测量前检测，判断车辆是否需要进行四轮定位调整，可以节约车辆维修时间。

主要特性和特点:

- 机体坚固，用材强度高，质量好，配置一体式结构，防尘，免维护
- 高精度滚轮，滑板滑动灵活，水平初始拉力极小
- 可选用双滑板联动，同步性误差<0.04 mm，重复性极好
- 可选用双滑板分动，结构先进，安装简单
- 可选用单滑板结构，满足各种检测需求
- 可以选用仪表控制或者是工业柜控制
- 可选配加装快速复位装置，用于双前桥转向车辆检测，符合最新国家标准要求

The product description

Vehicle sideslip tester mainly used for measuring sideslip quantity caused by the car wheel camber and toe Angle, this machine is one of the important equipment of auto safety performance test.
The vehicle side slip tester is mainly used to measure the sideslip quantity caused by the joint action of the camber angle and toe angle of the vehicle, In the process of straight-line driving, the left and right movement momentum of the sideslip plate is used to measure the magnitude and direction of the wheel and judge whether the inspected vehicle is qualified. It is one of the most important equipment for automobile safety performance test. It can also assist the four-wheel aligner to detect before measurement, and judge whether the vehicle needs to adjust the four-wheel alignment, which can save vehicle maintenance time.

Main features:

- Strong airframe, material with high intensity, good quality. Integrated structure, dust-proof, maintenance free
- High precision roller, flexible sideslip plate, initial tension in minimum level
- Double sideslip plates can be selected to slide together, with synchronous error less than 0.04 mm and excellent repeatability
- Double sideslip plates can be selected to slide separately, with advanced structure and simple installation
- Single sideslip structure can be selected to meet various testing requirements
- Instrument control or LCD control instrument with touch screen can be selected
- It can be equipped with a quick reset device, which can be used for the detection of double front axle steering vehicles, meeting the requirements of the latest national standards

A 型 大车单、双转向桥侧滑台 (带放松版)
A type: Sideslip tester for testing singale or double steering axle vehicles(with release board)

B 型 (无放松板)
without release board

C 型 (单板侧滑台大车使用)
C type(Single board sideslip tester for truck)

A 型 小车双板侧滑台 (带放松版)
A type Sideslip tester for car with release board

小车单板侧滑台
The single board sideslip for car

大车单板侧滑台
The single board sideslip for truck

汽车车速表检测台
Vehicle Speedometer Tester

技术参数 Technical parameter

型号 Model	CTCH-3A	CTCH-10A	CTCH-15A
最大允许轴载质量 (kg) Max.axle-load (kg)	3000	10000	15000
轮距 (内宽 / 外宽) (mm) Applied wheel tread (width/wide)(mm)	700(内 width)/ 2400(外 width)/	700(内 width)/ 2700(外 width)/	700(内 width)/ 2900(外 width)/
检测速度 (km/h) Test speed (km/h)	0-130	0-130	0-130
滚筒直径 × 长度 (mm) Roller diameter x length (mm)	∮ 190×850	∮ 190×1100	∮ 190×1100
气压气源 Air supply	0.5-0.6 MPa	0.7-0.8 MPa	0.7-0.8 MPa
外形尺寸 (长 × 宽 × 高) (mm) Dimensions(mm)	2700×750×400	3200×900×480	3200×900×480

产品描述:

汽车车速表检验台用于检测在行驶状态下，机动车速度表指示误差的检测设备，是机动车安全性能检测的重要设备之一。

主要特性和特点:

- 机体采用整体焊接，强度高，无需地脚螺栓安装，调试方便
- 滚筒表面采用特殊滚花处理，强度高，耐磨，摩擦系数大
- 采用气囊举升，举升同步性好，方便车辆进出，提高检测效率。
- 双重安全保险装置，控制系统具有当滚筒转速高于5 km/ h时，举升机构自动闭锁的功能，确保测试安全
- 带有挡车轮，保护车轮在高速运转时不刮到台体。
- 配备非接触式传感器不仅测试精度还高经久耐用，
- 测速范围广，测试点速度配置无线遥控器控制

车速表检验台
Speedometer tester

The product description

The vehicle speedometer tester is used to detect the indication error of the speedometer when the vehicle is running. Vehicle speedometer tester is one of the important equipment of vehicle safety performance test.

Main features:

- Using of reinforced steel guarantees strong and durable structure-bodies, no need for anchor bolt installation, convenient debugging
- The roller surface is specially knurled, with high strength, wear resistance and large friction coefficient
- It adopts air bag lifting with good lifting synchronicity, which is convenient for vehicle in and out and improves detection efficiency.
- Double safety device, the control system has the function of automatic locking of lifting mechanism when the roller speed is higher than 5 km / h, to ensure the test safety
- It is equipped with security device to protect the wheel from scratching the tester when it is running at high speed.
- Equipped with non-contact sensor, it not only has high test accuracy but also is durable
- The speed measurement range is wide, and the speed of the test point is controlled by the wireless remote control

自由滚筒 (CTZG)
Free roller (CTZG)

型号规格 Model	CTZG-10/15
滚筒直接 * 长度 mm Roller diameter*length:	190mm*1100mm
轮距 (内宽 / 外宽) mm Tread(inside/outside) mm	700/2900
滚筒中心距 mm	240
锁止装置 Locking device:	气动、气缸 pneumatic, air cylinder
电源 The power supply:	220V 50HZ

汽车自由滚筒
Free roller for vehicle

Do not need to dig the foundation,put it directly on the ground
Do not fix the installation position
Can be placed at will

Auxiliary device for 4AWD vehicles, which can be adjusted according to the different 4WD vehicles, the advantage is all type of 4WD cars can be tested, the disadvantage is that it needs to be manually placed.

四驱车检测辅助装置

主要性能特点 Features:

- 双后桥车检测的辅助装置
- 滚筒经高级别动平衡、滚筒表面经特殊处理接合强度高、耐磨气动锁止，安全可靠
- 机架采用优质钢材除 应力焊接而成，整体结构，强度高外型美观
- Auxiliary Equipment for double rear axle vehicle detection.
- Roller surface compound heat treatment, high hardness, high wear resistance, corrosion resistance.

产品简介
Product Introduction

汽车轴(轮)重仪
Axle(wheel) load tester

技术参数 Technical parameter

型号 Model	CTZZ-3	CTZZ-10	CTZZ-15
最大允许轴载质量 (kg) Max.axle-load (kg)	3000	10000	15000
轮距(内宽 / 外宽)(mm) Applied wheel tread (width/wide)(mm)	0-1500	0-5000	0-7500
检测范围 (m/km) Detection range (m/km)	800*500	1000*800	1100*800
滑板尺寸 (mm) Sideslip board dimensions (mm)	700/2400	700/2700	700/2900
外型尺寸 (mm) Dimensions (mm)	2700×660×200	3000×960×220	3200×960×220

汽车轴(轮)重仪
Axle(wheel) load tester

产品描述:

汽车轴(轮)重检测台是用于分别测量机动车辆前后轴载荷分布情况的称重仪器。即用于测定汽车各轮的垂直载荷。

主要特性和特点:

- 机体采用整体焊接,强度高,坚固耐用,
- 安装无需地脚螺栓,安装调试方便快捷
- 分体式结构,计量稳定
- 可测定汽车轮质量、轴载质量和整车质量
- 采用优质名牌高精度应变式传感器,测试精度高
- 配置低速通过式测量机构,检测效率极高

The product description

Vehicle Suspension Tester is used to inspect the shock absorption performance of vehicles with independent suspension system. When the vehicle parks on the platform, the static wheel load will be measured by the sensor and displayed on the Monitor/ Display Board. Then the motor will start to drive the Eccentric Wheel in the tester, which subsequently results into the vibration of Vibrating Plate. The motor will shut down automatically after reaching its nominal power. The plate will continue vibrating because of inertia, and result in sympathetic vibration between wheels and suspension. The minimum dynamic wheel load will be obtained during the sympathetic vibration. Then the absorption rate (displayed as percentage) can be calculated. The higher the absorption rate is, the better the suspension performance of the vehicle will be.

Main features:

- Extra-strong structure boby. The body is welded as a whole with high strength and durability,
- No anchor bolt is required for installation, so it is convenient and quick for installation and debugging
- Anti-slanting weighting design. Accurate and stable measureIt can measure the wheel mass, axle load mass and vehicle mass
- High quality brand-name high-precision strain type sensor, high test accuracy
- Quick drive-through testing mode ,which can make the detection efficiency extremely high

满足最新国家标准:

- GB7258《机动车运行安全技术条件》
- GB38900《机动车安全技术检验项目和方法》

多轴汽车轴(轮)重仪
Multi-axis vehicle axle (wheel)load tester

型号 Model:	CTZZ-13-4	CTZZ-13-6
轴荷 Max.passing axle load (kg)	3×10000kg	3×10000kg
承载台尺寸 Weighing plate dimensions	2×4000×1150mm	2×6000×1150mm
轮距(内宽 / 外宽)(mm) Tread(inside/outside)mm	700/3000	800/3000

产品描述:

依据 GB21861-2014 标准,测量汽车整备质量 . 该设备能使双轴或者三轴并装轴同侧车轮同时在一块称重板上进行轴(轮)荷的测量。

主要特点:

平均优质高精度传感器
可送配安装于地沟两侧

多轴称重台

汽车悬架装置检测台
Vehicle suspension tester

产品描述：

汽车悬架装置检测台是通过机械激振使汽车悬架系统产生谐振来测量汽车车轮动态接力和车轮静态接地力以判定和分析悬架台装置性能的检测装置.可用于检测机动车静态载荷时的轮重,检测同轴左右轮悬架装置吸收之差。主要是测试减震器的性能。

The product description

Vehicle Suspension Tester is used to inspect the shock absorption performance of vehicles with independent suspension system. When the vehicle parks on the platform, the static wheel load will be measured by the sensor and displayed on the Monitor/ Display Board. Then the motor will start to drive the Eccentric Wheel in the tester, which subsequently results into the vibration of Vibrating Plate. The motor will shut down automatically after reaching its nominal power. The plate will continue vibrating because of inertia, and result in sympathetic vibration between wheels and suspension. The minimum dynamic wheel load will be obtained during the sympathetic vibration. Then the absorption rate (displayed as percentage) can be calculated. The higher the absorption rate is, the better the suspension performance of the vehicle will be.

主要特性和特点：

- 机体采用整体焊接，强度高，方便安装调试
- 采用低噪音结构设计，减少因设备自己噪音而产生的振动干扰。
- 使用界面操作方便，易学易用
- 采用进口减振器、优质高精度传感器，性能稳定，维修保养简单
- 检测速度快、测试数据精度高、标定方便，重复性好
- 以图表显示的检测结果，方便对比悬架维修前后的情况
- 大马力电机，安全可靠。
- 基于EUSAMA测量标准，产品执行满足交通部行业标准JT/T448-2001

《汽车悬架装置检测台》

Main eatures:

Galvanized plates with longer service life, The machine body adopts integral welding with high strength, which is convenient for installation and debugging
Low noise structure design is adopted to reduce vibration interference caused by equipment noise.
The software interface is easy to operate, learn and use
Imported shock absorber and high-quality and high-precision sensor are adopted, with stable performance. Easy maintenance of products
Which can test fast with high accuracy of test data, convenient calibration and good repeatability
The test results display in the visual graph are convenient to compare the situation before and after the suspension maintenance
High power motor, safe and reliable.
Based on the EUSAMA measurement standard, the product meets the industry standard JT / T448-2001

带盖板（保护检测台，方便不使用检测台时，可随时通车）
With cover plate (to protect the tester,so that it can be opened to traffic at any time when the tester is not used)

技术参数 Technical parameter

型号 Model	CTXX-3	CTXX-10/15
最大通过的轴荷 (KG) Max.passing axle load (KG)	4000	10000/15000
允许检测荷重 (KG) Max.testing axle load (KG)	3000	3000
激振频率 (Hz) Vibration Frequency (HZ)	⩾ 23	⩾ 23
吸收率重复误差 Deviation of Repeatability of Absorption Rate	⩽ 2%	⩽ 2%
轴载示值误差 Deviation of Axle Weight Indicating Value	⩽ 2%	⩽ 2%
振幅 (mm) Oscillation	6	6
电机功率 (KW) Motor Power (KW)	2×2.2	2×2.2
检测轮距 (mm) Test track width (mm)	800/2200	
电源 Power Supply	AC380V 50Hz	AC380V 50Hz

分体式（可用于地沟两侧安装）
Split type (can be installed on both sides of the trench)

C 产品简介
Product Introduction

移动式摩托车安全性能检测线
Mobile Test Station for Motorcycle

CTMYJ-300B 适用于两轮
Used for 2 wheels

CTMYJ-750B 适用于两轮/三轮
Used for 2 &3 wheels

技术参数 Technical parameter

型号 Model	CTMYJ-300B	CTMYJ-750B
允许轮荷 / 轴载 Max.Axle load	300kg	750kg
轮重测试范围 Test range of weighting	0-600kg	0-750kg
制动范围 Measuring Range of brake force	0-2000N	2×(0-2500)N
气源 Pneumatic Supply	0.5-0.8mpd	0.5-0.8mpa
检测车辆类型 Type of the Motorcycles	两轮摩托车 For2 wheels Motorcycles	两轮三轮摩托车 For 2&3 wheels Motorcycles
夹紧方式 Clamping Style	气动 Pneumatic Centering	气动 Pneumatic Centering
电源电压 Power Supply	AC220V/ 可定做 Customizable	AC220V/ 可定做 Customizable
电机功率 (kw)Motor Power(kw)	1.5kw	1.5kw*2
灯光检测模式(标配) Headlight test mode (Standard)	全自动灯光 Fully automatic headlight test	全自动灯光 Fully automatic headlight test
车速检测、尾气检测等为选配，可根据客户要求定制 Speedometer test,exhaust test,etc.are optional and can be customized according to customer requirements		

产品描述：

卡特世公司根据各国快速发展的车辆检测蓬勃发展的形势，依据道路安全标准和法规，开发了汽车 / 摩托车可靠的移动式车辆检测站，该设备由设备载体（平板汽车），机动车安全检测设备、引板操作间、电气控制系统组成，是可进行车辆安全性能检测的可移动式检测线。广泛应用于机动车辆管理部门、摩托车安全检测机构、摩托车制造厂和修理厂

Based on fast developing vehicle inspection booming situation in different countries, according to road safety standard and regulation, Cartesy-kj develops reliable Mobile vehicle test station for vehicles and Motorcycle. The equipment is composed of equipment carrier (flat car), vehicle safety detection equipment, guide plate operation room and electrical control system. It is a mobile detection line that can detect motor vehicle safety performance. It is widely used in motor vehicle management department, motorcycle safety inspection organization, motorcycle manufacturer and repair shop

产品特性和特征

◆各种仪器集成于可露天使用的天舱（箱体）内、可由载体车承载，移动到任何目的地去现场检测、便民利民
◆可实现多车多工位同检，等同于一个小型移动检测站，投资少，占地面积小
◆箱体样式新颖、美观大方、经外耐用
◆先进的分控系统，结构简单，硬件连接方便，系统自动化程度高，智能化程度高，速度快，效率高、系统稳定、抗干扰能力强
◆几分钟即开展箱体，插入电源即可马上上线检测，操作简单方便
◆联网通讯功能灵活
◆移动式设计是为了解决大量摩托车的技术检测难题，该车型与220伏家庭电源相匹配。
◆可据用户需求订做各种规格要求
◆符合GB/T28946-2012和GB21861-2014及GB7258-2017
◆All kinds of instruments are integrated in the sky cabin (mobile station body,) which can be used in the open air, can be carried by carrier car, and can be moved to any destination for on-site detection, so as to facilitate the people and benefit the people
◆It can realize multi work station simultaneous detection, which is equivalent to a small mobile detection station, with less investment and small floor area
◆The mobile test station is novel, beautiful and durable
◆Advanced system of separate controlling, simple structure for easy hardware connection, highly automatic and smart system with high speed and efficiency as well as stable system and strong anti-interference ability
◆A few minutes to carry out the mobile station body, plug in the power supply can be immediately online detection, simple and convenient operation
◆Flexible network communication function
◆Its mobile design is to solve the difficulty of technical inspection for large number of motorcycles in rural area, and this model is matched with 220v family power supply.
◆Various specifications can be customized according to the needs of users

移动车汽车安全性能检测线
Mobile Test Station for Vehicle

技术参数 Technical parameters

	型号 Model	CTYJ-10
箱体描述 Mobile Station Body	最大允许轴荷 Max. axle load (kg)	10000
	适用轴距 Applicable wheel base (mm)	≤ 6000
标配部分 Standard Configuration	使用电源 Power (V)	380/220
	汽车制动检测台 Roller brake tester	
	汽车侧滑检验台 Vehicle sideslip tester	
	汽车车速表检验台 Vehicle speedometer tester	
	汽车轮重检测台 Vehicle axle (wheel) load tester	
	液控机械举升系统 Hydraulic control hoist system of machinery	
	空调房 Air conditioner room	
	电脑自动化控制系统硬件部分 Hardware of automatic control system	
	电脑自动化控制系统软件部分 Software of automatic control system	
	高亮度 LED 显示屏 LED display screen is equipped to give test process command, showing test message and result.	
	稳压净化电源及 UPS 电源等 The steady voltage power and UPS power etc.	
	配件及附属器件 Fittings and other subsidiary devices	
	辅助车架 Auxiliary frame	
	空气压缩机 Air compressor	
	工控机、打印机、光电开关等。 Including: worker's accusing of machine, printer, photoelectric switch, etc.	
可选配的项目（可定做） Optional Configuration-Etc. (Made To Order)	汽车悬架检测台 Suspension tester	
	不透光烟度计 Opacimeter	
	前照灯检测仪 Headlight tester	
	尾气分析仪 Emission testers	
	声级计 Sound level meter	
	发电机 30KVA Power generator	

产品简介 Product Introduction

汽车底盘测功机
Automobile power performance and Chassis dynamometer

技术参数 Technical parameter

型号 Model	CTDCG-3	CTDCG-10	CTDCG-13	CTDCG-15
最大轴载质量 (kg) Maximum axle-load (kg)	3000	10000	13000	15000
最大吸收功率 (kw) Maximum absorption power (kw)	160	250	300	350
最大制动力矩 (Nm) Maximum braking torque (Nm)	1600	2500	3000	3500
最大测试车速 (km/h) Maximum testing speed (km/h)	130	160	160	160
滚筒直径 × 长度 (mm) Drum diameter x length (mm)	∮ 216×1000	∮ 320×1000	∮ 373×1100	∮ 373×1100
滚筒中心距 (mm) center distance (mm)	480	600	600	600
滚筒内宽 / 外宽 (mm) Inside the drum width/width (mm)	700/2700	700/2700	700/2700	700/2700
工作电压 × 电流 Working voltage (current	96V ×35A	96V ×35A	96V ×35A	96V ×35A
电源 The power supply	220V ±10% 50HZ	220V ±10% 50HZ	220V ±10% 50HZ	220V ±10% 50HZ

产品描述:

汽车底盘测功机主要用于整车动力性能、排放及油耗(配用尾气分仪、油耗计等)的测试,可完成汽车经济性实验、动力性实验、可靠性实验以及汽车传系统有关的专项实验,能检测汽车底盘输出功率、扭矩、车速、里程、加速时间、滑行距离等数据。

主要特性和特点:

- 滚筒经过高精度动平衡、表面涂层接合强度高、耐磨、
- 配有可调式挡轮,以保证测试时不产生横向滑移,安全可靠
- 配油耗计可测定加载多工况油耗
- 机体采用优质钢板,功能齐全,界面友好,联网功能强,方便
- 检索检测数据,自动打印结果

The product description

Vehicle chassis dynamometer is mainly used for vehicle dynamics property,emissions and fuel consumption,(used in conjunction with fuel consumption meter,fuel consumption meter etc.test,can complete car economy experiment,dynamic experiment and reliability experiment about special experiment and auto transmission system,chassis power output can be detected,torque,speed,distance, acceleration time,sliding distance and other data.So it divided in two kind of chassis dynamometer.

Main features:

- Through high precision dynamic balancing,surface coating roller have high joint strength,abrasion resistance,adhesion coefficient is 0.92 or higher
- Equipped with adjustable gear wheel,in order to guarantee the front drive vehicles test do not produce lateral slip;safe and reliable
- With fuel consumption meter can be measured load condition of fuel consumption
- The body is made of high quality flat MS Windows machine,ability is all ready,friendly interfaces,strong networking and it is convenient
- Retrieve testing data,automatically print the results

三轴六滚筒测功机 CTDCG-13LGD

客户案例 Customer cases

CTDCG-3

CTDCG-10

产品简介
Product Introduction

技术参数 Technical parameter

型号 Model	CTJX-3	CTJX-13
最大允许轴荷 (kg) Max.axle load (kg)	3000	13000
滑板尺寸 (mm) Plates dimensions (mm)	500*750	1000×750
电机功率 (KW) Motor power	1.5	2.2
工作方式 Operate mode	液压驱动 Hydraulic drive	
滑板移动量 (mm) Movement of plates (mm)	±50	
滑板最大移动力 (kN) Max.displacement force of plate (kN)	20	
滑板移动速度 (mm/s) movement speed of plates (mm/s)	60-80	
移动方向 Direction of movement	左滑板:前后左右 右滑板:前后 Left board:front,back. left and rightRight board:front and rear	
控制方式 The control method	无线遥控 The wireless remote confrol	

汽车底盘间隙义
Play detector

产品描述和特征

可方便地检查汽车悬架和转向系统的零部件配合间隙。将汽车前轮或后轮置于本机两块测试板上，可遥控操纵两块测试板做纵向、横向运动，即可检查出汽车横直拉杆、球头、转向支臂、轩轮轴承等间隙。汽车底盘间隙仪由两个移动板组成，用于辅助验证车辆底盘中的间隙状况。此由三部分组成：2个活动测试台板、液压系统和电气控制系统（带无线遥控器和手电筒）

- 武钢优质钢材高强度台体，低噪音结构设计
- 名牌液压元器件，性能稳定可靠。

Main features:

Technical features & functions
The tester is convenient to check the fitting clearance between the parts of the automobile suspension and steering system. Place the front or rear wheels of the car on two test boards of the machine,It can remotely control two test plates to do longitudinal and lateral movement, and can check the clearance of automobile horizontal tie rod, ball head, steering arm, Xuan wheel bearing, etc. The play detector, with two moving plates of play detector, is assisted to verify the joint play condition in a vehicle chassis. The play detector is made by three parts: 2x moving plates, hydraulic system and electric control system (with wireless remote & torch)

- Hydraulic unit increases user convenience
- Extra heavy duty structure, robust and lower noise

CTZJ-10/13 汽车全自动转向角检测仪
Automatic vehicle steering angle tester

技术参数 Technical parameter

最大允许轴载质量 (kg) Max.axle load (kg)	13000	分辨率 (mm) Resolution ratio(mm)	0.1
转角测量范围 Measuring scope	±50	转盘移动速度 (mm/s) Turntable moving speed(mm/s)	15.5
测量精度 measurement accuracy	2%FS	轮距调节范围 mm) Track adjustment range	720-2200

产品描述和特征：

- CTZJ-10/13型汽车全自动转向角检验台能检测前轮最大转向角
- 测量方向盘转向操纵力和方向盘自由转动量
- 能自动适应各种车型的轮距，测量工艺简洁，人机界面友好，可与其它计算机管理系统进行数据通讯联网
- 选配可模拟转向助力，自动回位等多工况

Main features:

- Automatic steering Angle tester can test the front wheel steering Angle
- Measure steering control force and free rotation of steering wheel
- It can automatically adapt to the wheelbase of various models, the measurement process is simple, the human-machine interface is friendly, and it can be connected with other computer management systems for data communication

产品简介 C
Product Introduction

两轮（电动）摩托车集中测试台
Motorcycle (EV)tester

型号规格 Model		CTJZMT-300B
允许轮荷 / 轴荷 (kg) Max. axle load (kg)		300
适用轴距 (mm) Axle Distance (mm)		900—2800
检测台组合尺寸 (mm) Dimension (L*W*H)		3540*1130*280
制动台 Brake Force tester	滚筒直径 (mm) Roller Dia (mm)	2- ∮ 180×300
	滚筒中心距 (mm) Rollers Axle Distance(mm)	275
	制动力测试范围 (N) Testing Range (N)	0-2000
	示值误差 Indication error	±3%
	滚筒附着系数 Adhesive coe翻☒cient	> 0.85(D)/0.6(H)
	电机功率 (kw) Motor Power (kw)	1.5 kw
车速台 Speedometer tester	滚筒直径 (mm) Roller Dia (mm)	2- ∮ 176.6×300
	滚筒中心距 (mm) Rollers Axle Distance(mm)	275
	测试范围 (km/ h) Testing Range (km/ h)	0-120
	示值误差 Indication error	±2%
	电机功率 (kw) Motor Power (kw)	2.2 kw
	举升方式 Lift method	气动 Pneumatic
轴 (轮) 重仪 Axle load(weighting) tester	测试范围 (kg) Test range (kg)	0-300
	重复性 Repetition error	±2%
	示值误差 Accuracy	System Error ±2%FS
轮偏检测台 - 选配 Wheel Alignment tester(optional) with clamping	测试范围 (mm) Testing Range (mm)	±15
	示值误差 (mm) Indication error (mm)	±0.2
夹紧器 Clamping testing Mechanism	夹紧范围 (mm) Clamping Range (mm)	50-230
	夹紧方式 Clamping Method	气压 Pneumatic centering
	气源 Pneumatic Supply (Mpa)	0.5-0.8

CTMTFZ-300摩托车（电动车）制动轮重复合台
Motorcycle (EV) brake tester with wheel load

CTJZMT-300B

加紧器
Clamping testing Mechanism

产品描述：

两轮（电动）摩托车集中测试台是由摩托车轮重仪、摩托车制动台、摩托车车速表检测台、摩托车轮偏仪以及夹紧器通过科学的组合集中成一体的测试设备，可以集中检测摩托车轮重、制动力、车速表、轮偏（摩托车前后轮中心线偏差）等项目（车厂选配时还可检测最高车速、加速性能、超越加速甚至最大扭力等），如配置大灯、废气、声级，可组成一条完整的两轮摩托车安全性能检测线。

Product Introduction :

Motorcycle (EV) tester for two wheels is specially designed to inspect the brake performance and axle-load value as well as speedometer of Motorcycle or Electric vehicle. Combined with the Brake Force tester & Axle load(weighting) tester & Wheel clamp testing mechanism, Speedometer tester & Wheel Alignment tester (optional-if you need to test the center line deviation of front and rear wheels of motorcycle). It is advanced equipment for Motorcycle Safety Technical Inspection Center, and it is also largely used in Motorcycle repairing industryMore functions are available by externally linkage to other testers, such as Emission Tester, Head Light Tester, Sound Level Tester, LED Signal Board, etc. It can also detect the maximum speed, acceleration performance, over acceleration and even maximum torque when used by motorcycle manufacturers

产品特性和特点：

◆ 采用整体弯板焊接结构，强度高，无需地脚螺栓，安装方便
◆ 模块化结构、布局合理先进（可根据客户需求定制）、系统操作简单易学
◆ 采用高效率减速机，以及电机、传感器、轴承等部件都采用优质品牌产品，获ISO9001认证
◆ 滚筒采用特殊滚花表面处理工艺，适用寿命长
◆ 滚筒采用航空动平衡技术，用变频器调整测试车速，加减快，噪音极小
◆ 测速范围广，测试点速度配置无线遥控器控制
◆ 配置可靠气动举升机构，方便车辆进出，确保测试安全
◆ 采用优质位移传感器测量轮偏，检测精度高
◆ 严格遵照GB/T13563生产，检验判定标准符合GB7258

Main features:

◆ The whole bending welding structure is adopted, with high strength, no need for anchor bolts and convenient installation
◆ Modular structure, reasonable and advanced layout (customized according to customer demand).Easy to learn system operation
◆ High efficiency reducer, as well as motor, sensor, bearing and other components are all high-quality brand products, which have obtained ISO9001 certification
◆ High adhesion coating paint for longer working life
◆ The roller adopts the aero dynamic balance technology. And the roller use the AC frequency conversion to adjust the speed, increase and decrease quickly, and the noise is very small
◆ The speed measurement range is wide, and the speed of the test point is controlled by the wireless remote control
◆ Equipped with pneumatic lifting mechanism to facilitate vehicle access to the tester and ensure test safety. Automatic& pneumatic clamps control process for smooth and safe operation
◆ High precision sensor and high roundness of roller ensures the exactitude of result

客户案例 Customer cases

产品简介
Product Introduction

二轮三轮(电动)摩托车检测台
Motorcycle (EV) tester for two & three wheels

产品描述:

二轮三轮(电动)摩托车复合检测台是由摩托车轴(轮)重仪、摩托车制动台、摩托车车速表检测台、摩托车轮偏仪以及两台夹紧器组成。可检测两轮以及三轮摩托车、电动车的轴重、制动力、车速表、轮偏(摩托车前后轮中心线偏差)等项目,配置大灯、废气、声级,可组成一条完整的摩托车安全性能检测线。更多功能可根据客户需求定制。

主要特性和特点:

◆ 采用整体弯板焊接结构,强度高,无需地脚螺栓,安装方便
◆ 模块化结构、布局合理先进(可根据客户需求定制)、系统操作简单易学
◆ 可用于各类摩托车或者电动车检测,包括两轮、正三轮、偏三轮等
◆ 具有多工位同时检测的功能,可提高检测效率
◆ 采用高效率减速机,以及电机、传感器、轴承等部件都采用优质品牌产品,获ISO9001认证
◆ 滚筒采用特殊滚花表面处理工艺,适用寿命长
◆ 滚筒采用航空动平衡技术,用变频器调整测试车速,加减快,噪音极小
◆ 测速范围广,测试点速度配置无线遥控器控制
◆ 配置可靠气动举升机构,方便车辆进出,确保测试安全。双重安全保险机构,防止举升误动作。
◆ 采用优质位移传感器测量轮偏,检测精度高
◆ 轴(轮)重仪结构简单合理,标定方便,重复性好
◆ 严格遵照GB/T13563生产,检验判定标准符合GB7258

Product Introduction :

Motorcycle (EV) tester for two & three wheels combined with the Brake Force tester & Axle load(weighting) tester & Two Wheel clamp testing mechanism, Speedometer tester & Wheel Alignment tester (Which is used for testing the center line deviation of front and rear wheels of motorcycle). It is advanced equipment for Motorcycle Safety Technical Inspection Center, and it is also largely used in Motorcycle repairing industry. More functions are available by externally linkage to other testers, such as Emission Tester, Head Light Tester, Sound Level Tester, LED Signal Board, etc. More functions can be customized according to customer needs

Product Introduction :

◆ The whole bending welding structure is adopted, with high strength, no need for anchor bolts and convenient installation.
◆ Modular structure, reasonable and advanced layout (customized according to customer demand). Easy to learn system operation.
◆ It can be used for the detection of all kinds of motorcycles or electric vehicles, including two wheels, positive three wheels, off three wheels, etc.
◆ It has the function of multi work stage simultaneous detection, which can improve the detection efficiency.
◆ High efficiency reducer, as well as motor, sensor, bearing and other components are all high-quality brand products, which have obtained ISO9001 certification.
◆ High adhesion coating paint for longer working life.
◆ The roller adopts the aero dynamic balance technology. And the roller use the AC frequency conversion to adjust the speed, increase and decrease quickly, and the noise is very small.
◆ The speed measurement range is wide, and the speed of the test point is controlled by the wireless remote control.
◆ Equipped with pneumatic lifting mechanism to facilitate vehicle access to the tester and ensure test safety. Automatic& pneumatic clamps control process for smooth and safe operation. Double safety mechanism to prevent lifting mis-operation.
◆ High precision sensor and high roundness of roller ensures the exactitude of result.
◆ The structure of axle (wheel) weighting tester is simple and reasonable, the calibration of it is convenient and the repeatability is great.

CTMT-750

CT3JZMT-750

型号规格 Model		CTMT-750	CT3JZMT-750
允许轮荷 / 轴荷 Max. axle load (kg)		1000	1000
适用轴距 (mm) Axle Distance (mm)		900—1700	900—1700
适用轮距 (mm) Wheel Distance (mm)		500 (内宽 inner width) /1500 (外宽 outer width)	500(内宽 inner)/1500(外宽 outer)
制动台 Brake Force tester	滚筒直径 (mm) Roller Dia. (mm)	2- ∮ 180×300 2- ∮ 180×1000	2- ∮ 180×300 2- ∮ 180×1000
	滚筒中心距 (mm) Rollers Axle Distance (mm)	310	310
	制动力测试范围 (N) Testing Range (N)	0-2500	0-2500
	示值误差 Indication error	±3%	±3%
	滚筒附着系数 Adhesive coe鹎⊠cient	> 0.85(D)/0.6(H)	> 0.85(D)/0.6(H)
	电机功率(kw)Motor Powe(kw)	1.5 kw*2	1.5 kw*2
车速台 Speedometer tester	滚筒直径 (mm) Roller Dia. (mm)	2- ∮ 176.6×300 2- ∮ 176.6×1000	2- ∮ 176.6×300 2- ∮ 176.6×1000
	滚筒中心距 (mm) Rollers Axle Distance (mm)	310	310
	测试范围 (km/ h) Testing Range (km/ h)	0-120	0-120
	示值误差 Indication error	±2%	±2%
	电机功率(kw)Motor Powe(kw)	2.2 kw	2.2 kw
	举升方式 Lift method	气动 Pneumatic	气动 Pneumatic
轴(轮)重仪 Axle load (weighting) tester	测试范围 (kg) Test range (kg)	0-750	0-750
	重复性 Repetition error	±2%	±2%
	示值误差 Accuracy	System Error ±2%FS	System Error ±2%FS
轮偏检测台 Wheel Alignment tester(optional) with clamping	测试范围 (mm) Testing Range (mm)	±15	\
	示值误差 (mm) Indication error (mm)	±0.2	\
夹紧器 Clamping testing Mechanism	夹紧范围 (mm) Clamping Range (mm)	50-230	50-230
	夹紧方式 Clamping Method	气动 Pneumatic centering	气动 Pneumatic centering
	气源 Pneumatic Supply (Mpa)	0.6-0.8	0.6-0.8

客户案例 Customer cases

二三四轮电动车集中测试台

可检测项目:车速表检测、制动力、轮重、加速性能测试
Test items: speedometer test, braking force, wheel weight and acceleration performance test
基本参数Basic parameters:
外形尺寸 (mm) Dimension (L*W*H):2500*1060*270
滚筒尺寸 (mm) Roller size:176*1800 (3 rollers)
滚筒中心距 (mm) Roller center distance:310

产品简介 C
Product Introduction

摩托车（单滚筒/双滚筒）马力测功机
Motorcycle single-roller/double-roller horsepower dynamometer

产品介绍：

摩托车马力测功机(涡流机)是由我司推出的新型摩托车功率测试设备，可广泛用于摩托车性能、耐久和排放试验的底盘测功系统，该系统采用本公司独特的惯量控制算法，使整个系统运行更加稳定可靠。系统中模拟道路阻力设定具有全自动设定功能，采用滑行法自动修正摩擦损失；同时本系统阻力设定可按照查表法、欧III标准发和EPA标准法进行，使无条件进行实际道路行驶阻力试验的厂家也具有底盘测功及排放试验(配相关仪器)和油耗(配油耗仪)的能力。该设备具有性能优越、功能齐全、质量可靠、操作简单等特点，是摩托车生产厂家和改造企业对摩托车进行性能测试的首选设备。

摩托车马力测功机用于摩托车性能和排放试验以及为其他需要稳定的恒速、恒力和恒功率工况下检验摩托车的专业设备创造工况环境。系统中通过寄生功率（内部损耗）滑行测试可精确测得转鼓内摩擦力，使得摩托车施加给转鼓的外力测定更为精确。系统还具有模拟道路阻力的不同路面摩擦系数自设定功能，测得不同路面情况下的摩托车发动机输出功率和扭矩；系统也可将摩托车强制反托至设定车速，测得该车速下的输出功率以及每个车速点连接而成的功率扭矩曲线。该设备具有性能优越、功能齐全、质量可靠、操作简便等特点，

产品特性和特点：

- 采用最高质量的材料和部件进行设计和制造
- 在最苛刻的测试环境中，功率吸收系统的坚固设计也能确保较长的使用寿命
- 可进行恒速度测试（可自行设定测试点）；恒驱动力测试（可自行设定测试点）；汽车速度表校验；加速时间测试；滑行时间及距离测试；起步加速测试；超越加速测试；爬坡性能测试等
- 用户可连接摩托车ECU来分析该测功机制造的工况下摩托车行驶性能、结构设计等相关数据
- 双重安全保险机构，确保测试安全。带有自我保护，可紧急停止，软件超限保护
- 所有检测时的实时数据可以每秒10次的频率保存
- 带有多种排放工况测试功能
- 配置自动冷却系统，即轴流通风机，可选择自动、手动或者单独控制

单滚筒

CTMTDCG-3W 型两轮摩托车底盘测功机
Motorcycle Chassis dynamometer for 2 wheel

双滚筒

CTMTDCG- 10W型两轮三轮摩托车底盘测功机
Motorcycle Chassis dynamometer
for 2 & 3 wheels

型号规格 Model	CTMTDCG-3W	CTMTDCG-10W	CTMTDCG-3D	CTMTDCG-10D
适用的摩托车类型 Applied type	两轮车 For 2 wheels	两轮和三轮车 For 2&3 wheels	两轮车 For 2 wheels	两轮和三轮车 For 2&3 wheels
允许轮荷/轴荷 (kg) Max. Axle load	300	750	300	750
适用轴距 (mm) Wheel distance	850-1500	850-2700	850-1500	850-2700
适用轮距 (mm) Applied Wheel base	\	250-700	\	250-700
最小底盘离地距离 (mm) Min. chassis ground	90	70	90	70
最高测试速度 (km/h) Max. test speed	220	220	320	320
涡流机吸收功率 (KW) Absorbed power	120	120	\	\
额定扭矩 (NM) Rated torque	700	700	500	500
电机功率 (kw) Motor power	\	\	30	30
夹紧方式 Clamping mode	气动或手动 Pneumatic or manual			
夹紧范围 (mm) Clamping range	50-230	50-260	50-230	50-260
滚筒直径×长度(mm) Roller diameter × length	Φ373×300	Φ176.6×1800	Φ530×400	Φ530×1800
滚筒形式/适用范围 Roller type and User	单滚筒/改装. 调效 Single roller and used for modification and alignment	单滚筒/改装. 调效 Single roller and used for modification and alignment	单滚筒/改装. 车厂调效 Single roller and used for modification and factory alignment	单滚筒/改装. 车厂ECU研发 Single roller and used for modification and EUC testing

Product description:

Motorcycle chassis dynamometer is used for motorcycle performance and emission test as well as creating working conditions for other professional equipment that need stable constant speed, constant force and constant power conditions to test motorcycles.

In the system of motorcycle chassis dynamometer, the friction in the drum can be measured more accurately by the test of parasitic power (internal loss) coasting, which makes the measurement of the external force exerted by the motorcycle on the drum more accurate. The system also has the function of simulating the friction coefficient of different road, and measuring the output power and torque of motorcycle engine under different road conditions. The system can also force the motorcycle back to the set speed, measure the output power under the speed and the power torque curve formed by connecting each speed point. The equipment has the advantages of superior performance, complete functions, reliable quality and easy operation. The motorcycle chassis dynamometer is the first choice for motorcycle manufacturers to test the performance of motorcycles.

Features:

- Designed and manufactured using only the highest quality materials and components.
- The rugged design of the power absorption system also ensures long service life in the most demanding test environments
- Which can do constant speed test (Customizable test point); constant drive power test (Customizable test point); vehicle speedometer calibration; acceleration time test; coasting time and distance test; starting acceleration test; exceeding acceleration test; climbing performance test, etc.
- The user can connect the motorcycle ECU to analyze the driving performance, structural design and other relevant data of the motorcycle under the working condition created by the dynamometer
- Double safety insurance mechanism to ensure the safety of test. With self-protection function, emergency stop and software over limit protection
- All real-time data during detection can be saved 10 times per second
- It has a variety of emission test functions
- Equipped with automatic cooling system, i.e. axial flow fan, which can be controlled automatically, manually or separately

C 产品简介
Product Introduction

摩托车（单滚筒/双滚筒）马力测功机
Motorcycle single-roller/double-roller horsepower dynamometer

油耗仪Fuel consumption meter

空燃比 Air fuel ratio

OBD蓝牙解码模块(转速仪)
OBD Bluetooth decoding module (tachometer)

检测内容（可扩展可定制）：
- 车速表校验试验
- 里程表校验试验
- 起步加速性能测试
- 超越加速性能测试
- 爬陡坡性能测试
- 爬长坡性能车速
- 最高车速性能测试
- 最低稳定车速性能测试
- 滑行性能测试
- 摩托车驱动轮输出功率性能测试
- 发动机输出功率性能测试
- 变阻尼ECU调试工况
- 溜坡性能测试（变频电机）
- 发动机恒转速（自动）无限测试
- 发动机恒速（自动）无限测试
- 工况法油耗检测
- 等速法油耗检测
- 工况法尾气检测
- 双怠速/怠速法尾气检测

Product description:
Single roller horsepower (dynamometer) for electric motor is a new type of motorcycle power testing equipment launched by our company. It can be widely used in the chassis dynamometer system for motorcycle performance, durability and emission tests. The system uses our unique inertia control algorithm to make the entire system more stable and reliable. In the system, the simulated road resistance setting has the full automatic setting function, and the sliding method is used to automatically correct the friction loss; At the same time, the system resistance can be set according to the table lookup method, Euro III standard and EPA standard method. Manufacturers who unconditionally carry out the actual road running resistance test also have the functions of chassis dynamometer and emission test (equipped with relevant instruments) and fuel consumption (equipped with fuel consumption meter). This equipment has the characteristics of superior performance, complete functions, reliable quality, simple operation, etc. It is the preferred equipment for motorcycle manufacturers and transformation enterprises to conduct performance tests on motorcycles.

Detection content (expandable and customizable)
- Speedometer calibration test
- Odometer calibration test
- Starting acceleration performance test
- Overspeed acceleration performance test
- Steep climbing performance test
- Speed of long slope climbing performance
- Maximum speed performance test
- Minimum steady speed performance test
- Sliding performance test
- Motorcycle driving wheel output power performance test
- Engine output power performance test
- Variable damping ECU commissioning condition
- Slope sliding performance test (variable frequency motor)
- Engine constant speed (automatic) unlimited test
- Engine constant speed (automatic) unlimited test
- Fuel consumption detection by working condition method
- Constant speed fuel consumption detection
- Exhaust gas detection by working condition method
- Double idle/idle exhaust detection

客户案例（Customer cases）：

产品简介 C
Product Introduction

计算机控制系统 computer control system

◆ 工业控制计算机抗干扰，抗振能力强，散热性能更好，使用寿命长。
◆ 可扩展联网声级计、废气检测、大灯检测、转速计、监控等，所有检测结果呈现到一张报表。
◆ 多语种，软件可以自动添加您所需求的语种。暂时可提供：英文、法语、俄语、泰语、中文等
◆ 检测流程灵活配置，可根据需求自定义检测流程
◆ 软件开机自带自检功能，可以迅速定位设备故障，防止误操作

CT2016

◆ 多样化报表，可根据需求定制报表界面，自动判断检测合格与否
◆ 可选择集中式控制或者是分布式控制。
◆ 产品尺寸:620*620*1640

◆ Industrial control computer has strong anti-interference, anti-vibration ability, better heat dissipation performance and long service life.
◆ It can be extended to connect sound level meter, exhaust gas tester, Opacimeter, headlight tester, tachometer, monitoring, etc. All test results can be presented to a report.
◆ Multi language, the software can automatically add the language you need. Temporarily available: English, French, Russian, Thai, Chinese, etc.
◆ Flexible configuration of test process, which can be customized according to the needs.
◆ The software has self-test function, which can quickly locate equipment fault and prevent mis-operation.
◆ Diversified reports, report interface can be customized according to requirements. The system can automatically judge whether the test is qualified or not.
◆ Centralized control or distributed control can be selected.
◆ Dimension (L*W*H):620*620*1640

CT2023

客户现场照

LCD 智能测控仪表
LCD control instrument with touch screen

◆ 更加稳定的工作性能，可以更直观的显示检测数据
◆ 操作十分简单易懂，全自动智能控制检测台进行检测
◆ 仪表界面拥有直观的检测流程指引，引车员可根据仪表界面提示逐步进行相应的检测操作
◆ 可选配微型打印机，直接打印检测结果
◆ 独立工位检测仪表如下：制动轮重检测、侧滑检
◆ 测、车速检测、转角仪检测、悬架检测
◆ 产品尺寸:500*270*1400

◆ More stable working performance, more intuitive display of test data
◆ The operation is very simple and easy to understand and learn, and the tester can be controlled and operated automatically and intelligently by LCD control instrument
◆ The instrument interface has intuitive detection process guidance, and the driver can gradually carry out corresponding detection operations according to the prompt of the instrument interface
◆ It can be equipped with micro printer to directly print test results
◆ The independent work stage LCD control instruments are as follows: brake test, axle(wheel)load tester, sideslip test, speedometer test, steering angle test, suspension test
◆ Dimension (L*W*H):500 * 270 * 1400

电脑控制软件界面
The software interface of PC control

LCD 控制软件界面
The interface of LCD control

C 产品简介
Product Introduction

二驱/四驱马力测功机
The 4WD horsepower dynamometer

四驱马力测功机是专门用于测量二驱和四驱汽车的底盘动力性能的设备，不仅能准确测量各转速下的动力性能，还可模拟路面对车辆进行常规和多路况路试，也可用于汽车改装和 ECU 调校等。

The 4WD horsepower dynamometer is specially used to measure the chassis dynamic performance of the2WD and 4WD vehicles. It can not only accurately measure the dynamic performance at each speed, but also simulate the road to carry out the road test of routine and multi-road of the vehicles, and can also be used for vehicle refitting and ECU debugging and calibration , etc.

Introduction:

Horsepower machine is a special equipment for testing the power of automobile chassis, and it is also a kind of chassis dynamometer. It can accurately reflect the dynamic performance of the vehicle at each speed, which is convenient for the adjustment of the vehicle's power; it uses the scientific detection method and the system inertia adaptive algorithm to accurately calculate the output power of the vehicle chassis. It can also detect the maximum speed, acceleration time (performance), etc. The control system adopts high-speed data bus with WiFi interface. The control computer can be PC or laptop, which is convenient for operation. You can know your car' s condition anytime by the routine test and simulated road conditions test. It is very suitable for used car evaluation center, automobile repair shop, automobile refitting, ECU adjustment industry.

Features:

1. Test power data: region-wide speed horsepower engine /torque curve can accurately the reaction of arbitrary rotational speed (typically2000 rpm or more) of the engine operating conditions. The most prominent is the output value of the maximum horsepower and torque.
2. Simulated on road test: the roller of the horsepower machine can be controlled by the computer to set the resistance and simulate various resistance conditions of the road. As long as it is properly adjusted, it is safe to run dozens or even 200kW / h on the horsepower machine.
3. Diagnosis of automobile power condition: a powerful horsepower machine with clock diagnosis method. If the constant speed function is used, the horsepower engine can use the constant speed function. The horsepower engine can limit the car to a desired speed (a reasonable speed). At this time, the speed (RPM) in the same gear is unchanged. Changing the throttle opening and closing degree or ECU working parameters can get different horsepower output. It is better to cooperate with the knock receiver, air-fuel ratio meter, air flowmeter, etc, which may be more better judge the work status of the car immediately

客户案例 Customer cases

产品介绍:

马力机就是专门测试汽车底盘动力的设备，也是一种底盘测功机。它能够准确反映汽车各转速下的动力性能，方便汽车动力调校：它采用的检测科学的方法利用系统惯量自适应算法能够很准确地计算出汽车底盘输出功率。控制系统采用高速数据总线，带 WF 接口，控制计算机可以采用 PC 电脑或笔记本电脑等，方便操作。可以对汽车进行常规和模拟路况检测随时了解爱车的状况非常适合二手车评估中心汽车修理厂、汽车改装、ECU 调校等行业。

主要特性和特点:

◆ 测试动力数据：马力机的全区域转速的马力/扭力曲线能准确地反映出任意转速（通常2000转以上）的发动机工作情况，其中最突出的是最大马力和扭矩的输出值。

◆ 代替危险的告诉路试：马力机的滚筒可以由控制电脑来设定阻力，模拟出路面的各种阻力情况，只要调节得当，在马力机上跑出几十甚至200kw/h以上的速度都是很安全的。

◆ 汽车动力状况的诊断：一台功能强大的马力机具有多种的诊断方法。如使用恒速的功能，马力机可以使汽车限定在一个想要的速度（一个合理的速度），此时，同一挡位下转速(RPM)是不变的，改变油门开合度或者ECU工作参数可以得到不同的即时马力输出，配合爆震听筒、空燃比计、空气流量计等可以更好地判断出车子即时工作状态。

技术参数 Technical parameter

项目 Item	CTDCG-3D	CTDCG-3-4WD
额定承载质量 kg Rated Axle Load	10000 kg	10000 kg
最大测试总质量 kg Max. testing axle load	3500 Kg	3500 Kg
可测试马力 hp Testing house power	1000ph	2000ph
最大牵引力 KN Max. traction	⩾ 25	⩾ 25X2
滚筒直径 × 长度 mm Roller diameter × length	ϕ216×850mm	ϕ216×850mm
滚筒内距 × 外距 mm Inner distance of roller × outer distance	700×2400mm	700×2400mm
滚筒中心距离 mm Distance between roller centers	437 mm	437 mm
最大测试速度 km/h Max.test speed	⩾ 260km/h	⩾ 260km/h
检测轴距范围 The Test range of wheelbase	/	2100-3200 mm
轴距调节范围 Wheelbase adjustment range	/	0-1100 mm
车速示值误差	⩽±1%	⩽±1%
扭矩示值误差	⩽±2%	⩽±2%
功率示值误差	⩽±2%	⩽±2%
气源 Gas source	⩾ 0.8Mpa	⩾ 0.8Mpa
基准惯量 kg Reference inertia	908kg ±18kg	908kg ±18kg
功率吸收装置 Power absorption device	风冷式电涡流机 Air cooled eddy current machine	
额定吸收扭力 Rated Absorbed Torque	3200 N.m	3200 N.m

产品简介
Product Introduction

全自动轮胎花纹深度测量仪
Automatic tire tread depth measuring instrument

产品介绍：

目前轮胎花纹深度的测量，市场广泛的检测方法为轮胎深度目视检查：目测、操作（施加外部压力的方式）及检查胎压不正常时，都对检查结果造成影响。故此种检测方法会存在一些数据弊端。通常目测和人工检测，对大型客车、重中型货车、重中型载货专项作业车以及其他车型的轮胎，花纹深度检测数值很容易偏小而不准确，并且费时和费人工，其功能比较单一，并且有一定的局限性。因此全自动轮胎花纹深度测量仪（装置）应市场而生。

此装置我们使用线激光原理可以重点检测同轴两侧轮胎型号、规格和花纹的一致性、轮胎规格、胎面胎壁、轮胎花纹深度等。对于公路客车、旅游客车、校车，检测是否使用翻新轮胎情况而进行报警提示。

使用全自动轮胎花纹深度测量仪可大幅度的提升了检测的效率。检测采用通过式测量，只有车辆通过测量仪停留二十秒即可，无须专人检测，检测精度高，减少了人工成本，计算机自动化的生成检测报告，并且对轮胎的磨损情况进行分析，保证汽车行驶安全。且数据可自动同步到用户管理系统，在有协议的情况下可以上传到用户档案。

主要性能和特点：

◆ 安装方便：机体采用整体焊接，强度高，调试方便，用户可根据自己需求选择安装方式
◆智能提醒：可自动识别轮胎花纹深度，并对有异常得轮胎情况经行报警
◆无感通过：通过式测量，无需任何人工干预操作。
◆快速检测：可在20S内直接测出车轮数据
◆高精度测量：测量精度可高达0.01mm
◆容易维护：视觉技术无接触检测。激光技术
◆软件可定制：可根据用户需求上传用户检测报告数据
◆无损检测：可无需拆卸轮胎进行检测

产品参数：

设备型号 Model	CTLT-3	CTLT-15
承受的单轴重 Max. axle load	0-3000kg	0-15000kg
测量轮胎宽度范围 mm Measure the tire width range	350mm	350mm
适合市场上的轮胎 Suitable for tires on the market	98%	98%
测量轮胎深度范围 Measuring tire depth range	0-25mm	0-25mm
测量精确度 Measurement accuracy	0.01mm	0.01mm
使用电压 Use voltage	220V	220V

product description:

At present, the tire tread depth measurement is widely used in the market to inspect the tire depth visually: visual inspection, operation (the method of applying external pressure) and checking the tire pressure will affect the inspection results. Therefore, this detection method will have some data drawbacks. Usually visual inspection and manual inspection, for the tires of large passenger cars, heavy and medium trucks, heavy and medium cargo special operation vehicles and other types of tires, the pattern depth detection value is easy to be small and inaccurate, and it is time-consuming and labor-intensive, and its function is relatively simple. And there are certain limitations. Therefore, a fully automatic tire tread depth measuring instrument (device) was born in response to the market.

For this device, we use the principle of line laser to focus on detecting the consistency of the tire type, size and pattern on both sides of the coaxial line, tire size, tread wall, tire pattern depth, etc. For highway buses, tourist buses, and school buses, it detects whether to use retreaded tires and gives an alarm.

The use of a fully automatic tire tread depth measuring instrument can greatly improve the efficiency of detection. Pass-through measurement is adopted for detection. Only the vehicle passes the measuring instrument and stays for 20 seconds. There is no need for special personnel to detect, the detection accuracy is high, the labor cost is reduced, the computer automatically generates the detection report, and the tire wear is analyzed to ensure that the car Safe driving. And the data can be automatically synchronized to the user management system, and can be uploaded to the user file if there is an agreement.

Main performance characteristics:

◆ Convenient installation: the body is welded as a whole, with high strength and convenient debugging. Users can choose the installation method according to their needs
◆ Intelligent reminder: It can automatically identify the depth of the tire pattern and give an alarm for abnormal tire conditions
◆ Pass-through: Pass-through measurement without any manual intervention.
◆ Fast detection: wheel data can be directly measured within 20S
◆ High-precision measurement: measurement accuracy can be as high as 0.01mm
◆ Easy to maintain: non-contact detection with vision technology. laser technology
◆ Software can be customized: user test report data can be uploaded according to user needs
◆ Non-destructive testing: can be tested without disassembling the tire
◆ Tire change reminder: It can be based on the tire wear and tire usage reminder

C 产品简介
Product Introduction

车辆外廓尺寸自动测试仪
Vehicle Dimensions Scanning System

产品介绍:

汽车外廓自动检测系统符合最新国标要求。基于先进的计算机实时立体视觉技术，集光学、电子、计算机等高科技于一体。在攻克一系列核心技术的基础上，开发的全自动、可视化、网络化的外廓尺寸测量系统;采用激光雷达产品,结合自主知识产权的激光点云降噪算法等，可全面过滤车辆行驶中的车身抖动、后视镜等因素带来的干扰,动态测量通行车辆的长宽高;同时还可 以输出其他数据,列出如下:车身长度、形状: 车身高度;车头高度、斜度、弧度、形状;车身侧面弧度、形状车尾尺寸形状; 车辆行驶速度。

主要性能和特点:

- 自动化程度高:全自动测量车辆外廓长、宽、高等尺寸，测量过程无需人工干预;
- 速度快:自主知识产权软件，运行在高性能工业计算机上，数据处理时间≤0.2秒
- 测量精度高:与采用视频、光栅等技术原理的同类产品相比较，激光雷达产品的测呈精度要远远高千其它产品。检测过程可视化。
- 实用性强:采用“不停车”通过式检测方法，对驾驶员操作要求低，设备安装不占用场地;
- 网络化接口:系统软件与车辆检测网络连接联动，方便控制以及数据交换;
- 具有故障自检功能
- 安装方式灵活;全天候工作，不受天气气候影响

Introduction:

Experiencing years of high developing transportation business, a new technology is required for inspection the vehicle dimension, in case of illegal modification, over-sized vehicle. etc. Therefore, based on state of laser technology and 3D-cloud data processing capacity, Cartesykj develops laser scanning system to measure the dimension data for all types of vehicle.

Features:

- For automatically measurement of vehicle dimension, including length, height, width and axle distance, without manual intervention
- High pixel, high rate feedback, laser durable design
- High measurement accuracy: compared with similar products using video, grating and other technical principles, the measurement accuracy of lidar products is much higher than that of other products. The detection process is visualized.
- Integrated electric design, free of maintenance, quick installation and commissioning
- The system has the function of fault self-test
- The installation mode is flexible; Wide working temperature design, all-weather work is not affected by weather and climate

型号 Model	CTWC-K
检测方式 Test Mode	非接触式检测 Non contact dynamic
分辨率 Resolution	1mm
长度检测范围 Length Test Range	2-60m
宽度检测范围 Width Test Range	1.5-6M
高度检测范围 Height Test Range	1.2-8m
测量误差 Dimension Accuracy	≤ ±0.8%(重复性) ±1%(示值)
供电 Power Supply	AC220V ± 20% 50/60Hz ± 5%
接口 Protocol	RS-232/485/422/RJ-45
激光雷达扫描装置 Laser Radar Scanning Unit	三个激光雷达扫面扫描 3 pcs auto movement
使用环境温度 Operating temperature	-55°C ~+70°C
使用环境湿度 Environmental humidity	≤ 98%
车速范围 Speed range	0 ~ 10 km/h
耗电量 Power Comsumption	≤ 100W

产品简介 C
Product Introduction

便携式制动性能测试仪
Portable Braking Performance Tester

该仪器以16位高性能单片微型计算机为数据处理单元配以片上集成传感器来完成测试过程中多种参数的高速采集处理,用以测试汽车的制动安全性能。本仪器根据国家强制标准GB7258-2012《机动车运行安全技术条件》中路试检验制动性能的要求研制开发的,适用于机动车辆制动性能检测和交通事故的勘查。

仪器采用240*128大屏幕液晶显示,汉字提示,清晰直观。测试项目采用菜单式操作,简单易用,并且自动对测试结果进行存储(共可存储64组数据),可供以后对测试数据进行查看分析。是汽车制造行业、汽车维修行业以及汽车检测、科研门理想的检测设备。

整机采用便携式设计,外形小巧,外置式传感器上装有强力磁铁,便于安装,也适合在空间狭小的车辆上进行测试。本仪器可录入8位数的车牌号码和两个字的省份名称,尤其适合机动车检测站路试用。

◆外形尺寸:
205X145X55mm
◆重量:
1kg(包括内置电池)
◆测量范围:
加速度:±1.5g
时间:12s
◆分辨率:
加速度:0.01m/s2
速度:0.1km/h
时间:0.01s
距离:0.01m
◆准确度:2.0级

型 号	特 点
CT-2020C	技术优良,新款,选配打印机

汽车单板侧滑台
Vehicle single board sideslip tester

分 类	型号	配置说明
小车	CTDCH-3	※ 指针式。不可联网 ※ 最大允许轴荷:3000kg
	CTDCH-3 CY	※ 数显式 ※ 最大允许轴荷:3000kg
大车	CTDCH-10	※ 指针式。不可联网 ※ 最大允许轴荷:10000kg
	CTDCH-10CY	※ 数显式 ※ 最大允许轴荷:10000kg

CTDCH-10

CTDCH-3CY

指针式单板侧滑

数显式单板侧滑

产品介绍:

CTDCH-3/10型汽车单板侧滑检验台是专门用于检测汽车前轮定位的设备。当汽车低速驶过本检验台时,通过测量前轮侧滑量大小来判断前轮定位是否正确。是汽车滚筒三(四)位一体检测线中负责汽车侧滑检测的设备之一。该检测台适用于车辆管理部门、汽车制造厂、汽车修理4S店(企业)及教学科研单位。是保障汽车安全性行驶的必不可少的检测设备。

CTZXY-B型转向参数测试仪
Steering parameters tester

产品描述:

1、转向力
测量范围:0~±500N
分辨力: 1N
零点漂移:10min不大于2d
鉴别力阈不大于1d
最大允许误差:±2%
重复性:2%

2、转向角
测量范围:±90度
分辨力: 1度
零点漂移:10min不大于1d
最大允许误差:±2度
重复性:2度

主要功能特点:
具有转向力转向角即时测试值,峰值测试功能.
具有传感器标定功能.
可任意设置测试零点.
可进行串行通信.
具备数据存储功能,可存储100组检测数据.

A(型)

B(型)

CTDCH-CY智能侧滑检测仪
CTDCH–CY Intelligent Controller of Sideslip tester

CTDCH-CY智能侧滑检测仪是我公司自主开发研制的简易型智能侧滑检测仪,用于检测汽车转向轮横向侧滑量。并提供实时曲线即可以在仪表中显示曲线也可以在上位机中显示曲线。采用5寸显示屏和四个便捷按钮,显示信息量大且操作非常简便。仪表自带标定系统,方便用户读取准确数据。仪表带有诊断功能,在初次安装完毕后可立即验证接线是否正确及各传感器工作是否正常。重要功能设有权限,防止其他人员误操作。系统配有标准RS232接口,可以配接外置式打印机,也可将测试结果发送给其他设备或计算机,或由其他主控计算机进行控制,灵活构成联机测试系统。"

C 产品简介
Product Introduction

其他检测仪器
Other testing instruments

ABS 接收以及发送模块
ABS receiving and sending module

全自动检测仪
Full Automatic Headlight Tester

手动检测仪
Manual Headlight Tester

透射式烟度机
Diesel Smoke Meter /Opacimeter

机动车尾气分析
Automotive Exhaust Gas Analyzer

汽车故障诊断仪
Universal car scanner/car diagnostic tool

轮胎花纹深度激光测试仪
Laser measuring instrument for tire tread depth

四轮定位仪
3D wheel aligner

OBD

声级计
Noise Level Mete

扫码上线系统
Code scanning online system

举升机
Alignment Scissor Car Lift

品质与服务
Quality and service

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After-sale service procedure

设备安装培训流程图

售后服务流程图

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