

教育技术装备信息化的探索

Exploring Informationization of Educational Technology Equipment

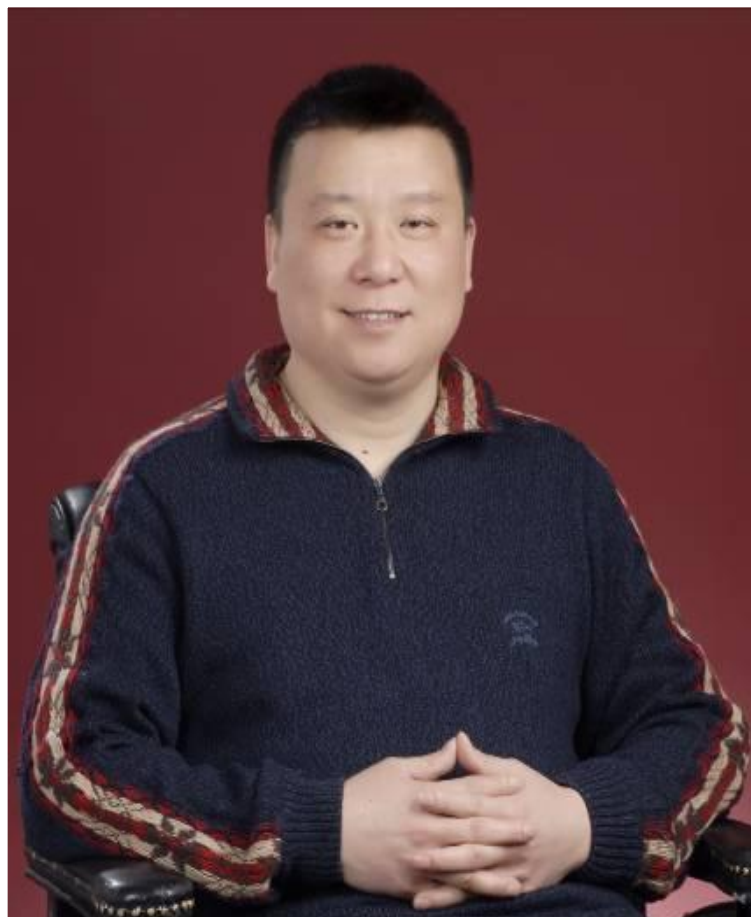
中国 亚龙科技集团董事长

浙江亚龙教育装备股份有限公司董事长

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联合国教科文直属世界教具联合会理事；
联合国教科文组织产学合作教席常务理事；
中国教育装备行业协会副会长；
全国机械职业教育教学指导委员会委员；
中国职业技术教育学会常务理事
中国职业技术教育学会管理工作委员会副主任；
全国职业院校实验室工作研究会副理事长；
电子科技大学温州校友会会长
清华大学MBA企业家终身学习俱乐部专家；
北京师范大学国家职业教育研究院兼职研究员
浙江师范大学兼职教授；
中国职业技术教育杂志社副理事长
温州市优秀企业家
温州市人大代表
温州市劳动模范
高级工程师、高级经济师、高级经营师

参与开发设计专利达100多项，参与多项教育部、人社部行业标准的起草，主持完成了国家级863计划、国家火炬计划项目的实施，承担国家级重点课题的研究。主持设计的产品获国家重点新产品、人社部优秀科技成果二等奖、浙江省科技进步一等奖、省首台套、市重大发明奖等荣誉。



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cooperative forum executive
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一、亚龙简介 About Yalong

二、经济转型和产业升级对人才的新需求

New demand for talents due to economic transition and industrial enterprise upgrading

三、做学教一体化是培养技术与技能人才有效手段

Doing , learning and teaching integration is the effective means to train technology and skilled talents .

四、亚龙提供的服务

Service provide by Yalong

五、双方合作的探讨

Exploring mutual cooperation

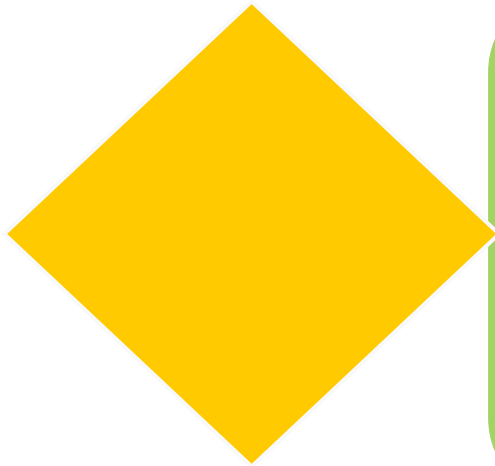


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About YALONG

一、亚龙简介



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Introduction 公司简介（总部：温州）

- Founded in 1983, with a history of 31 years, specializing in curriculum development, teacher training, R&D, producing and service of educational training equipment
- So far, we had provided our integrated solution for more than ten thousand vocational colleges and higher education colleges.
- 亚龙始创于1983年，31年以来，专业、专心、专注服务于职业教育的课程开发、师资培训、教育装备的研发、生产、服务。
- 迄今为止，已经为世界各国超过一万所的职业院校、高等院校等提供了做、学、教一体化的人才培养整体解决方案服务。
- 现有员工1000多名，其中技术研发人员273名。

Corporate Culture

使命：亚龙努力为更多人带来技术与技能

Mission: YALONG tries its best to bring technology and skills to more people

愿景：引领教育新理念 创造教育新环境

Vision: Lead new educational concept, Create new educational environment

核心价值观：诚信 创新 团结 拼搏

Core values: Integrity, Innovation, Unity, Striving



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Introduction

- ✓ 创立新概念教学：做学教一体化，做中学，做中教（DLT）
Creates new concept teaching: Doing, Learning, then Teaching, ALL-IN-ONE, Learning by doing, Teaching by doing (Abbreviated as DLT)
- ✓ 提供“做学教一体化”整体方案：包括教育装备、课程开发、师资培训
Provides total solution to DLT, which covers educational equipment, curriculum development, teacher training
- ✓ 致力于职业院校人才培养：10000所
Devotes to talent training with more than 10,000 colleges



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Qualifications

国内唯一拥有30年教育装备制造经验的企业

The only one company in China, who has **30 years**
'experience of educational equipment production

国内唯一连续8年为全国职业技能大赛提供设备与技术支持的企业

The only one company in China, who has provided equipment
and technical **support for** National Vocational Students **Skills**
Competition for continuous 8 years

国内首家获得中国驰名商标的教育装备制造企业

The first company in China who won **Chinese Well-known**
Trademark in educational equipment manufacturing trade

国内首家将自主研发的产品推向国际竞赛平台的教育装备制造企业

The first company who promoted self-developed products to
international competition platform



庆祝广西壮族自治区成立50周年
Auhghoh Gvangshih Bouxueugh Swcigih Laebbaenz 50 Hophi

中央代表团赠
Cunghyangh Daibyaujdonz soengq

2008年12月
2008 nienz 12 nyied

亚龙
YALONG

中国驰名商标
Well-know trademark

中国·亚龙科技集团
CHINA YALONG SCIENCE & TECHNOLOGY GROUP



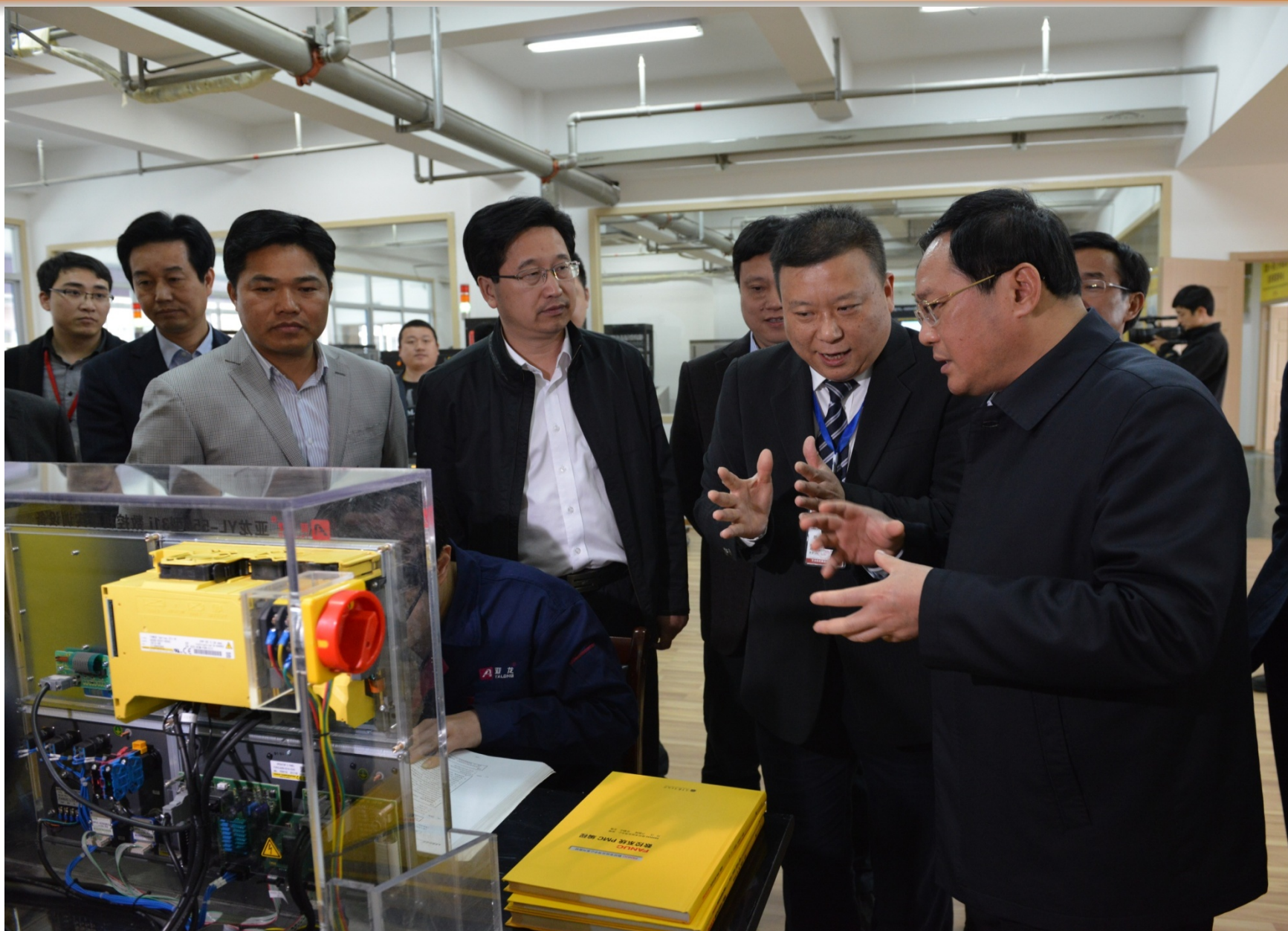
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2014年4月1日浙江省长李强莅临亚龙





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—— 中共中央政治局委员、国务院
副总理**刘延东**给陈继权董事长颁奖
企业突出贡献奖



—— 教育部部长**袁贵仁**给亚
龙颁发企业突出贡献奖



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2012年全国职业院校技能大赛闭幕式上陈继权董事长代表企业发言，
中共中央政治局常委张高丽给陈传周总经理颁奖

亚龙发展战略 Development Strategy:

需求为导向

Technology driven

技术为驱动

Internet thinking

互联网思维

Service oriented manufacturing

服务型制造

产业链整合

Industrial chain integration

国际化战略

International strategy



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经济转型和产业企业升级对人才的新需求

New demand for talents due to economic transition and industrial enterprise upgrading



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当今世界正处在大发展大变革大调整时期，全球经济将进入一个结构性调整的历史过程，新一轮的国家能力竞争已见端倪，为抢占经济发展的制高点，无论是发达国家还是发展中国家，都在进一步调整经济结构、加大教育科技投入，构筑新的竞争优势和创造新的就业岗位

The world today is undergoing great changes and global economy is facing structural adjustment. A new round of country capacity competition has started. In order to occupy a commanding height of economic development, no matter developed countries or developing countries, are restructuring economy and increasing educational investment, trying to construct new competitive advantages and create new employment opportunities.



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发达国家的实践表明，**工业化进程一刻也离不开职业教育的改革发展**。正处于加快推进现代化的关键时期，转变经济发展方式，**改造传统产业，振兴战略性新兴产业，特别是发展先进制造业、现代服务业和现代农业，迫切需要技术技能型人才的有力支撑。**

Developed countries practice shows that industrialization process is inseparable from the development of vocational education. China is in the key period of promoting socialist modernization drive. China is changing economic development model, renovating conventional industries and prospering strategic new industries, especially developing advanced manufacturing industry, modern service industry and modern agriculture. All demand strong support of technical talents.



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人口红利减少

Demographic dividend gradually
obscure

工人薪水上涨

Wages of workers increasing

生产能力受限

Limitation of production capacity

○ ○ ○ ○ ○ ○

企业转型升级

Enterprise transition and
upgrading



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◆工业机器人制造业企业已越来越普及！！

Industrial robots more and more popular in manufacturing industries

◆人力将被转移到更高的附加值上。

Manpower transferred to **higher added value**

◆中国要成为制造业王国，成败之举在于把人口红利变为头脑红利。

To become a giant in manufacturing industry, what China has to do is to turn demographic dividend into brain dividend.



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“我们希望人不再被机器控制，而是人来控制机器，把单调重复的工作交给机器人，让员工解放出来。”“把单调重复的工作交给机器人，这是中国制造业向世界发出的一个信号。”

“We hope that human beings will not be controlled by machines any more. Instead, human should control machines and repetitive work should be done by robots. This is a **signal** to the world from Chinese manufacturing industry.”



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我国自2002年起，已经连续多年保持了世界机床第一消费大国和第一进口大国，我国的数控机床占有量已经排名世界前列，如此巨大数量的数控机床，故障也在所难免，企业现在急需的是不仅会操作而且懂维护的操作工和懂维修的数控装调维修工，该部分人员缺口巨大，数控维修专业的建设是行业发展与企业需求的必然趋势。

China has been the largest machine tool consumer and importer since 2002. Chinese market share on CNC machine tool has ranked top of the world. Enterprises have an **urgent demand on both CNC operator and maintenance & troubleshooting personnel**. CNC job vacancy is so large that CNC maintenance and troubleshooting expertise training becomes a necessity for meeting the demands of enterprises.



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我国智能建筑市场的迅猛发展，直接拉动了对智能楼宇新职业人才的需求，现在智能楼宇等专业人才缺失达200万之多，特别是对智能楼宇系统设计、智能楼宇安全防范设计、视频监控安装、安防工程评估等专业的需求；

The rapid development of intelligent building market promotes the demand for intelligent building talents. **Now a shortage of** talents reaches more than **2,000,000**, particularly majoring in intelligent building system design, intelligent building safety design, video monitoring system installation and security evaluation.

各类电梯事故频发，
 彰显出电梯维保人员的紧缺。



——《工人日报》2012.2.28

惊魂!南京五老村小区电梯4根钢绳齐断12楼坠下

——《扬子晚报》2012.2.17

延安丽景花园六部电梯常“发疯”

——《三秦都市报》2012.2.18

电梯20层玩“自由落体”

——《新安晚报》2012.2.27

➤ 北京市海淀区共有各类电梯**25356部**，且每年以**2000部**的数量递增。

.....

➤ 广东省共有各类电梯**39万**多部，按国家特种设备安全监察条例，每**20部**电梯应配备**1名**专职维保人员计算，应配备**20000名**专职的维修保养人员。目前专职的电梯维保人员不足**2000人**。以每年从中等职业学校培养**2000人**计算，尚需要**9年**时间。

高楼虽拔地而起，然而电梯的保养与维护不可忽视！



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中央空调家用化日趋明显，2013年市场已达180亿元左右，到2018年有望600亿。产品升级方面，变频空调占比不断提升，产业在线预计2013年国内变频空调销量有望达3400万台（比2012年多出1000万台），占国内空调市场总量的54%。目前日本普及率超过95%，欧洲市场占有率也在90%以上。



目前我国汽车保有量**1.37亿辆**，汽车维修与保养人员需求量**超过350万人**，岗位需求巨大。德国高级技师占35%，高级工占50%，而在**中国汽修公司里高级技师仅占1.5%**，高级工仅占3.5%，可见**我国汽车行业对高级工程师及高级工比例与发达国家相比相差甚远！**，这需要工程教育及高职教育加大对汽车维修与保养专业的建设。

Nowadays, there are 137,000,000 cars in China, and the demand for **car maintenance and repair workforce reaches more than 3,500,000**. In Germany, there are 35% of senior technicians, and 50% of senior skilled workers. While in China, there are only 1.5% of senior technicians, and 3.5% of senior skilled workers. It is pretty obvious that there is tremendous demand for senior technicians and skilled workers. So it is necessary for engineering education and higher vocational institutions to strengthen the construction of car maintenance and repair specialty.



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纯电动汽车



插电式混合动力汽车

2012年国家出台《节能与新能源汽车产业发展规划》目标，到**2020**年，纯电动汽车和插电式混合动力汽车生产能力达**200**万辆。培养新能源维修技术专业的人才已迫在眉睫，新能源车维修人员缺口大 成为“抢手货”。



预计在2013—2018年中，37个城市将建设轨道交通里程3127公里，估算总投资1.86万亿元，这也被业内视为“稳增长”的重要措施之一。轨道交通人才也随之增加，预计到2020年，单是长三角地区高铁、地铁、轨道装备制造等轨道交通类人才的需求量就高达10万人。



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“高铁外交”是2013年中国外交的一个亮点。从李克强总理出访介绍高铁，到中泰达成“大米换高铁”合作意向，中国参与英国高铁建设，再到中塞匈合作建设匈塞铁路和中罗决定在高铁领域开展合作，“高铁外交”俨然成为继“乒乓外交”、“熊猫外交”之后的中国外交、中国形象的新名片。中国高铁出国门，助推“中国制造”走向“中国创造”。



中国高铁在土耳其开花结果 —— 2014年7月25日，土耳其总理埃尔多安试开土耳其安卡拉至伊斯坦布尔的首趟高铁。



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截至**2012**年底，全国风电累计核准容量**10670**万千瓦，装机量占全球市场**23%**位列世界第一；太阳能发电产业累计建设容量**798**万千瓦，同比增长超过**200%**；国家计划**2035**年到**2040**年可再生能源总量比重将提高到**25%**以上。要实现这些目标，需要大量从事新能源相关产业的人才。据专家估算，到**2020**年，中国将有几十万人从事风电产业。太阳能灯光伏产业每年缺失人才**20**万，然而在全国**1200**多所高职院校中，真正开设光伏发电技术应用专业的不超过**30**家。



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我国的电网规模巨大，智能电网关乎我国各行业的发展，然而人才缺失竟达**100**多万，培养相关专业（**发电厂与变电站设备运行与维护、供电技术、网络建设与管理**）的技术技能型人才已迫在眉睫！





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数字医疗



数字农业



现代物流



智能交通



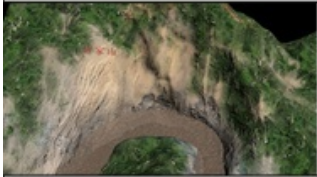
遥感与卫星定位



空间探测



灾害防治



物联网：感知中国与世界



数字海洋



智能旅游



安全监控



数字环保



智能家居



公共安全



Networking

Remote Automatic Control Technology

智慧边疆



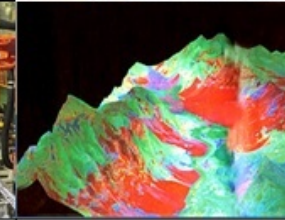
智能电网



数字制造



数字地质



物联网

远程自动控制技术



3D打印，人体器官都能制造，还有什么零件不能加工？



先进制造技术的发展内涵

传统制造技术	精密化	NC数控机床、加工中心
信息技术	柔性化	DNC 数控群控
计算机技术	网络化	FMS 柔性制造系统
自动化技术	虚拟化	VMS 虚拟制造系统
管理科学	智能化	CE 并行工程
计算机集成制造系统	集成化	CIMS 计
敏捷制造系统	清洁化	AMS 敏
智能制造系统	全球化	IMS 智



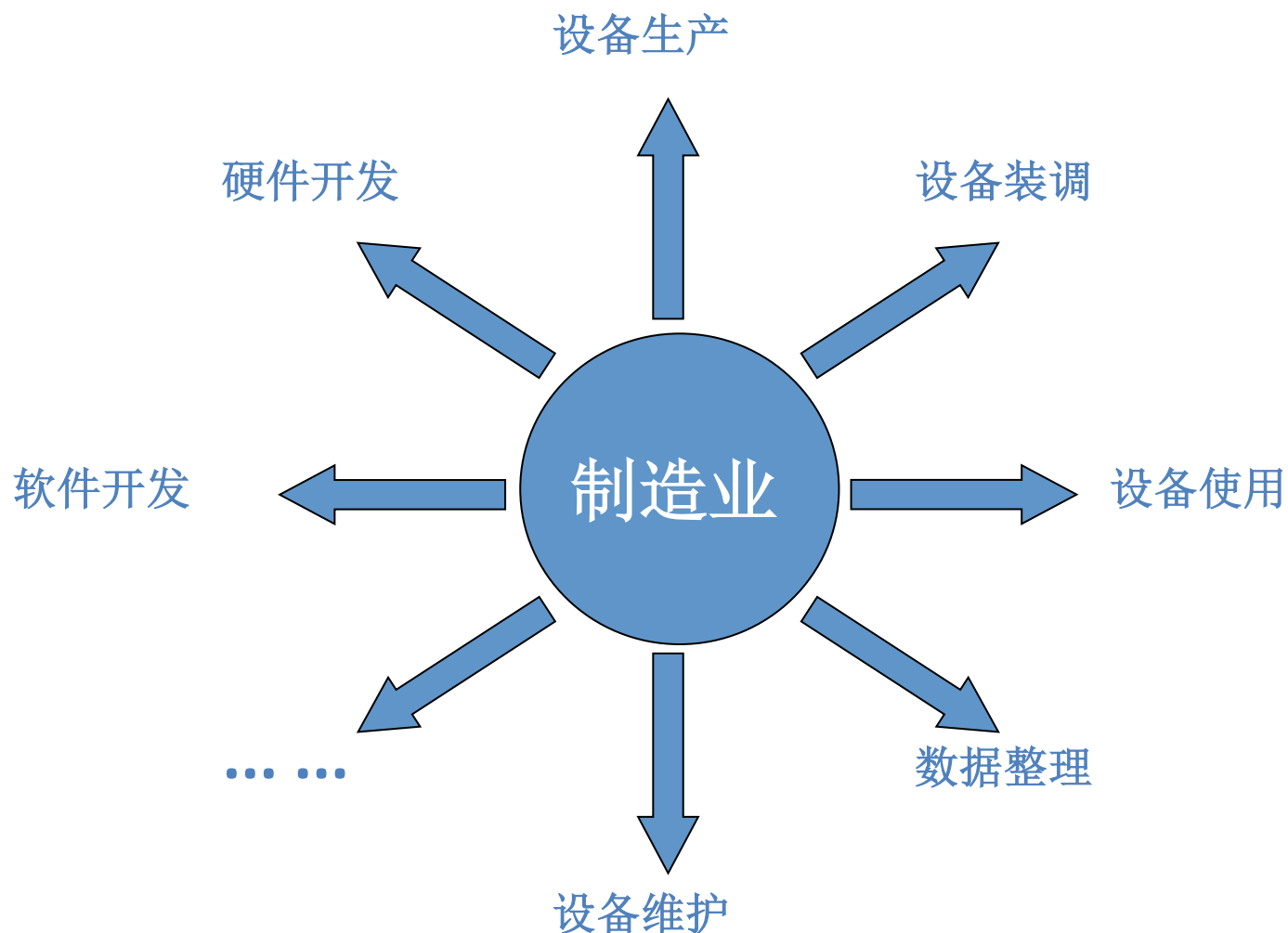
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技术升级后，需要大量新的技术应用型人才





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教育为区域经济发展服务

- 发展现代产业体系；
- 产业集群的崛起；
- 拉长产业链，向上游、下游拓展；
- 一、二、三产业的联动和融合；
- 产生性服务业发展；



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三、做学教一体化是培养技术与技能人才有效手段

Doing , learning and teaching integration is the effective means to train technology and skilled talents .



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教育面临的困境与对策

面临困境：

- 学生对专业未来目标不清
- 学生缺乏刻苦学习的精神
- 学生自主学习方法能力差
- 学生对专业的学习兴趣低
- 教师难教且累互动性不强
- 学生自控能力心态不稳定



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环城西路
769

高薪

诚聘50位
数控售后
服务人员

联系电话：

13805831222

0574-87467555



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工作目标 Working goal

先有工作? 还是先有目标?

First have job ? Or first have goal?

遊戲

工作目标：先
有工作？ 还
是先有目标？

射中即

金牌获得者





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cooperative forum executive
director commission member

做学教一体化的特点

1、课程

- 解决做什么、学什么和教什么的问题
(教学内容与职业岗位的工作内容对接)

2、过程

- 解决怎样做、怎样学和怎样教的问题
(教学过程与工作过程的学习内容对接)

3、评价

- 解决做得怎样、学得怎样、教得怎样的问题
(工作任务与学习任务的业绩评价对接)



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做是学和教的一切之基础

Doing is the base of learning and
teaching

做是学和教的一切之方向

Doing is the direction of learning and
teaching

做是学和教的一切之目标

Doing is the goal of learning and
teaching

只要在做学教的立场上，
打定做的基础就是对了。

实施“做、学、教一体化人才培养整体解决方案”的基本思路：

必须根据不同的专业和将来工作岗位要求，设计出一整套由浅入深、由低级到高级、由单一到综合的课程设计、教育装备等。

实施“做学教一体化人才培养方案”根据不同专业，制定出工艺、技巧、方法、知识和能力的具体达标要求，提出**及格标准、良好标准、优秀标准**的具体目标。



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YL-335B Automatic production line assembly and debug trainer



按**高等**职业教育的教学目标，研发的YL-335B
自动线安装与调试实训考核装置



按**本科**院校机械、电子电路技术和
自动控制技术教学目标，研发的
YL-338A型 多功能电气控制系统

YL-338A Automatic production line
assembly and debug trainer



按**中等**职业学校的教学目标，研发的
YL-235光机电一体化实训考核装置

YL-235A Optical electromechanical trainer



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亚龙案例

亚龙YL-268柔性生产实训系统 YL-268 Flexible manufacturing system





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亚龙YL-369B型机器人自动加工装配综合系统

YL-369B Robot automatic process assembly comprehensive system





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亚龙做学教一体化开发系列优质产品和服务：

- 电气自动化系列
- 机电一体化系列
- 工业机器人应用系列
- 教育机器人系列
- 数控机床系列
- 数控机床装调与维修系列
- 电子电工技术系列
- 虚拟仪器系列
- 物联网系列
- 综合布线系列
- 装配钳工系列
- 机械传动系列
- 液压与气动系列
- 电机装配与维修检测系列
- 智能楼宇系列
- 电梯安装与维修保养系列
- 家电、制冷、户式中央空调系列
- 轨道交通、汽车运用与维修系列
- 新能源汽车、风能与太阳能系列
- 供配电技术、智能电网供配电系列



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1、自动化生产线应用领域核心岗位的关键技术；

应用领域	核心岗位	关键技术
汽车整车生产 汽车零部件 食品饮料 金属加工 IT电子 铸造锻压 橡胶塑料 复合材料 新能源 工程机械 玻璃行业 制药工业 医疗设备 物流配送 材料家具 造纸印刷 生活消费品 教育培训	现场运行人员 (流水线生产工)	<ul style="list-style-type: none"> • 正常安全开关机、手动操作 • 一般故障排除 • 正常生产操作 • 安全操作 • 生产过程损坏导致的报警停机后快速恢复生产
	现场操作人员	在“流水线生产工”基础上还要掌握 <ul style="list-style-type: none"> • 创建、修改及调试生产线应用流程 • 备份、恢复已编好的程序 • I/O 设置及应用
	程序员	<ul style="list-style-type: none"> • 软件的应用和仿真 • 使用高级指令 • 使用函数\中断编写程序 • 备份、还原程序
	技术员	在“操作员”基础上还要掌握 <ul style="list-style-type: none"> • 排除普通错误，恢复正常状态 • 确定错误类型，并进行故障诊断 • 备份、还原程序及系统文件 • 自动线系统功能的设置 • 生产线机械机构的调整跟换
	项目工程师 设计工程师	在“技术员”基础上还要掌握 <ul style="list-style-type: none"> • 生产线机械整体系统调整 • 生产线机械本体定期维护保养 • 更换生产线机械部件 • 生产线系统组态和程序的编写 • 系统运行参数的设置



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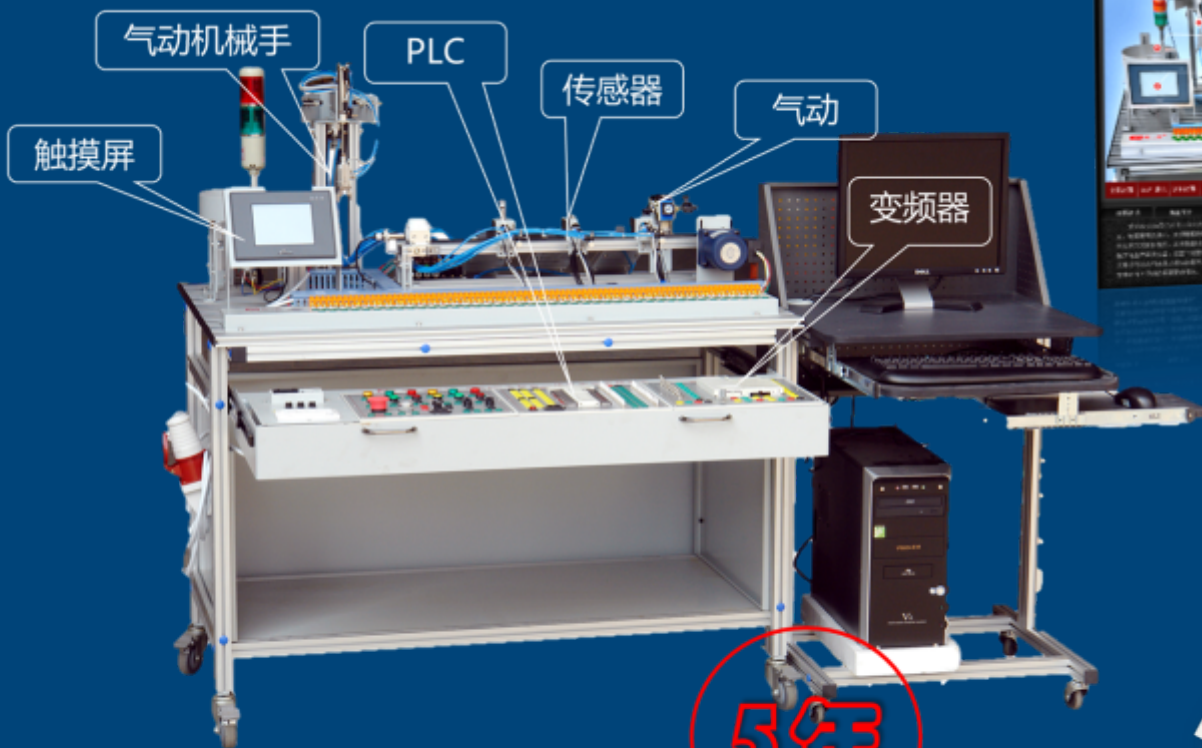


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YALONG YL-235A Opto-Mechatronics Training and Assessment Equipment

亚龙 YL-235A 型 光机电一体化实训考核装置

全国职业院校技能大赛唯一指定设备



5年

“综合”

“百变”

“经典”



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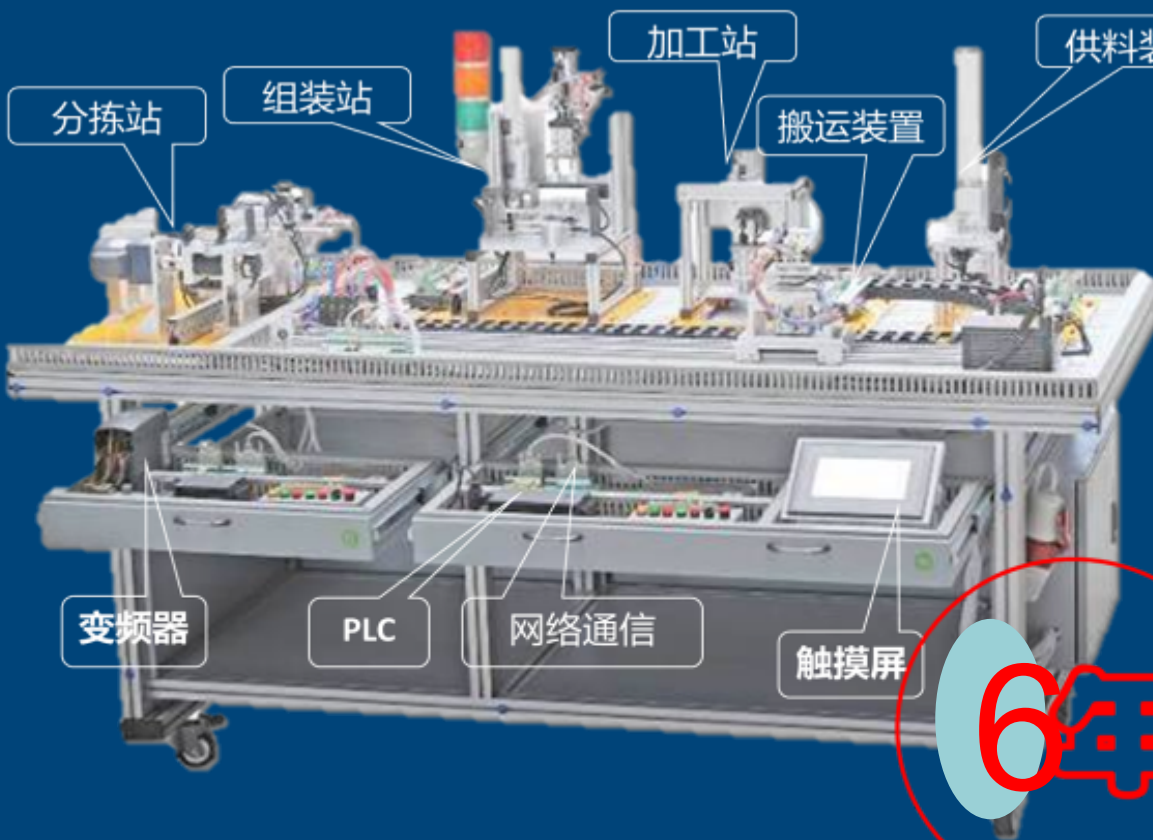


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YALONG YL-335B Automatic Production Line

亚龙 YL-335B 型 自动生产线实训考核装备

全国高职院校自动线安装与调试技能大赛
唯一指定设备



6年

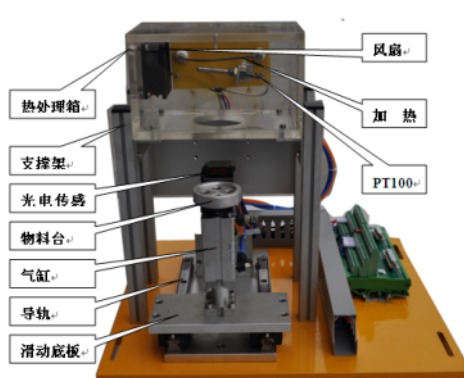
“行动导向”

“经典”

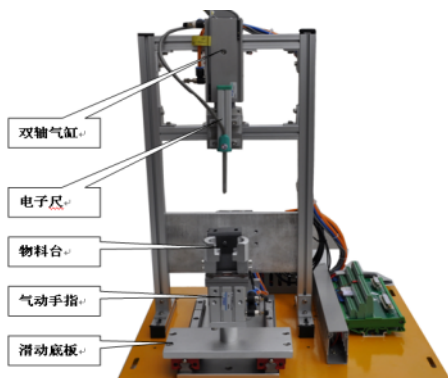
“综合”

“领先”

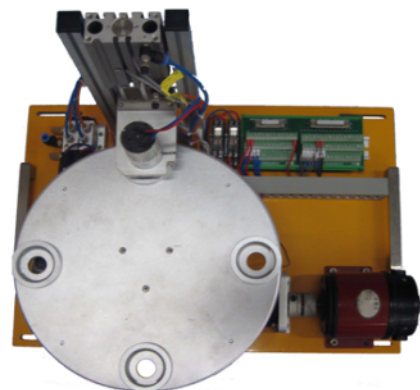
亚龙新增YL-335B可扩展工作站



热处理单元正视图



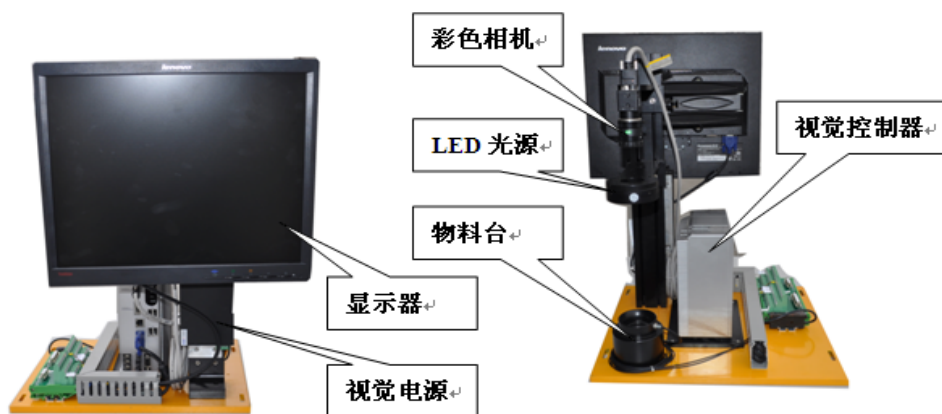
工件内孔深度检测单元



多工位加工单元



机器人



视觉单元的全貌



控制器和示教单元



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YALONG YL-338A Multifunctional Electric Control Training System

YL-338A型 多功能电气控制系统



主站：比速度，“波音”我都不放在眼里，你能抓到我？

从站：除非你比光线跑得还快，否则我就能追上你，你信不信？



“高级逻辑”

“PID控制”

“高速通信”

“高等数学”



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亚龙YL-336A型现代物流盘点管理实训系统
**YALONG YL-336A Modern
Logistics Inventory Management
Training system**

亚龙YL-336B型现代物流机器人实训系统
**YALONG YL-336B Modern
Logistics Robot Training System**



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亚龙YL-369B型机器人自动加工装配综合系统

YALONG YL-369B Integrated System for Robot Automatic Processing and Assembling



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2、工业机器人应用领域核心岗位的关键技术；

应用领域	应用形式	核心岗位	关键技术
汽车整车生产 汽车零部件 食品饮料 金属加工 IT电子 铸造锻压 橡胶塑料 复合材料 新能源 工程机械 玻璃行业 制药工业 医疗设备 物流配送 材料家具 造纸印刷 生活消费品 教育培训	点焊 弧焊 装配 材料加工 (激光加工) 物流搬运 码垛 拾取及包装 机床上下料 喷涂及涂装 电动注塑机应用 小型加工中心 应用(打磨)	现场运行人员 (流水线生产工)	<ul style="list-style-type: none"> • 正常安全开关机、手动操作 • 一般故障排除 • 正常生产操作(机器人连线开自动) • 生产过程中机器人非硬件损坏导致的报警停机后快速恢复生产 • 手动调试机器人程序、修改程序中机器人点的位置 • 备份、恢复已编好的机器人程序 • 安全操作
		现场操作人员	在“流水线生产工”基础上还要掌握 <ul style="list-style-type: none"> • 创建、修改及调试机器人应用程序 • 机器人 I/O 设置及应用 • 备份、还原机器人程序
		程序员	<ul style="list-style-type: none"> • 机器人软件的应用和仿真 • 使用机器人高级指令 • 使用函数\中断编写程序
		技术员	在“操作员”基础上还要掌握 <ul style="list-style-type: none"> • 排除普通错误,恢复正常状态 • 确定错误类型,并进行故障诊断 • 备份、还原机器人程序及机器人系统文件 • 机器人系统功能的设置、机器人I/O 设置及应用
		焊接技术员	在“技术员”基础上还要掌握 <ul style="list-style-type: none"> • 伺服枪软件设置、使用 • 手动打点 • 修改伺服枪点焊指令 • 一般弧焊故障排除 • 弧焊枪软件设置、使用、操作、指令修改
		项目工程师 设计工程师	在“技术员”基础上还要掌握 <ul style="list-style-type: none"> • 机器人本体调整 • 机器人机械本体定期维护保养 • 更换机器人机械部件,机器人调整 • 工业机器人的外围设计



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亚龙工业机器人实训系列
Industrial Robotics Training Series

亚龙YL-JQR型工业机器人技术实训中心

YALONG YL- JQR Industrial Robotics Practical Training Center



**Industrial Robot Spot Welding, Arc
Welding Station Training System**



焊接电源
Welding power source



送丝机
Wire feeder

弧焊
Arc welding



点焊
Spot welding



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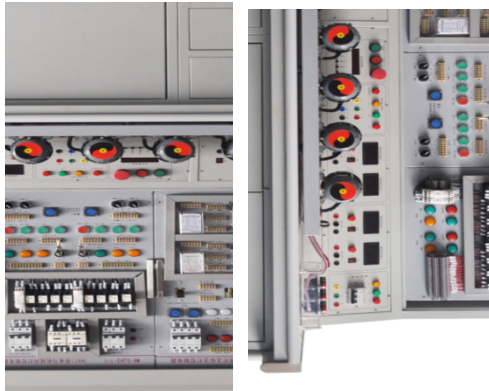
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安全防护和安全处理 Safety Guard and Safety Handling

安全光幕
Security light curtain



安全地毯
Safety mat



安全防护栏
Safety barrier



废气排放
Exhaust emission



固定、吊顶式
Fixed, ceiling type



移动式
Movable type



工业机器人装配系统



工业机器人搬运系统



工业机器人上下料系统



工业机器人物流堆垛系统



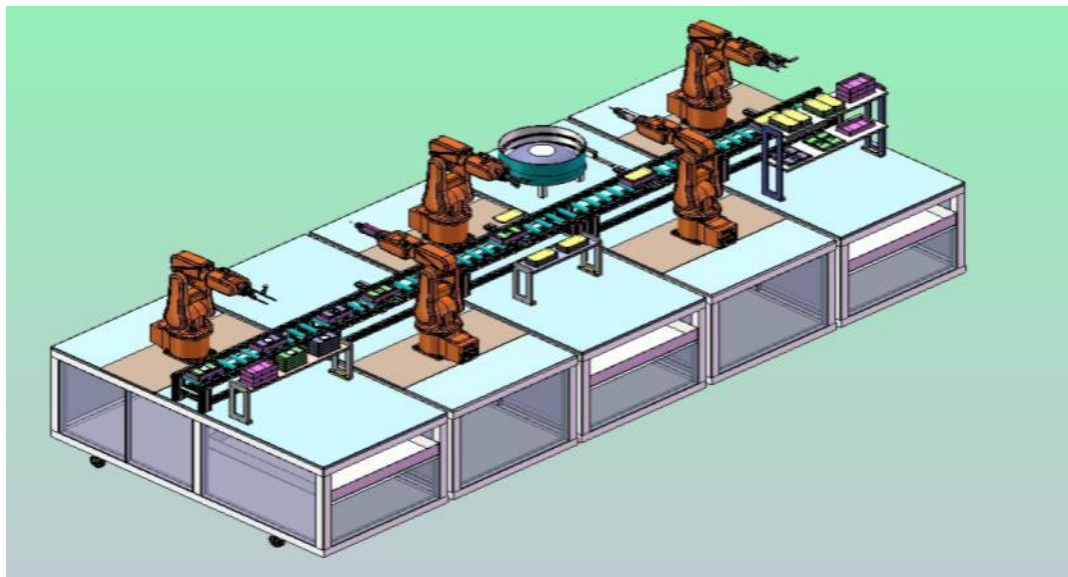
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机器人自动化生产线产品



相关产品：

亚龙YL-399G多机器人制造系统实训装备（产品包装）

亚龙YL-399GA型工业机器人在汽车生产线中应用实训装备





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3、数控调整与维修技术领域核心岗位的关键技术：

应用行业	职业岗位	关键职业能力
数控机床制造企业	数控机床机械装配工	<ol style="list-style-type: none"> 1、数控机床的机械装配 2、几何精度检测 3、钳工技能
	数控机床电气装配工	<ol style="list-style-type: none"> 1、电气图阅读 2、电气线路安装 3、电器元件装配 4、电路调试
	数控机床电气维修工	<ol style="list-style-type: none"> 1、常见故障判断 2、常见故障排除 3、机床保养
	数控机床整机调试工	<ol style="list-style-type: none"> 1、参数设置 2、PMC设计与调整 3、参数优化
数控机床使用企业	数控机床编程加工与工艺设计	<ol style="list-style-type: none"> 1、机械加工及CAD/CAM 2、伺服优化技术
	数控机床的保养与维修	<ol style="list-style-type: none"> 1、数控机床维护 2、常见故障排除 3、设备备件管理
	数控机床设备改造与升级	<ol style="list-style-type: none"> 1、机电一体化技术与数控技术



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亚龙YL-569型数控车床实训设备
YALONG YL-569 CNC Lathe Practical Training Equipment



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全国职业院校技能大赛专用设备 Dedicated Equipment for National Vocational Students Skills Competition



亚龙YL-569型数控铣床实训设备

YALONG YL-569 CNC Mill Practical Training Equipment



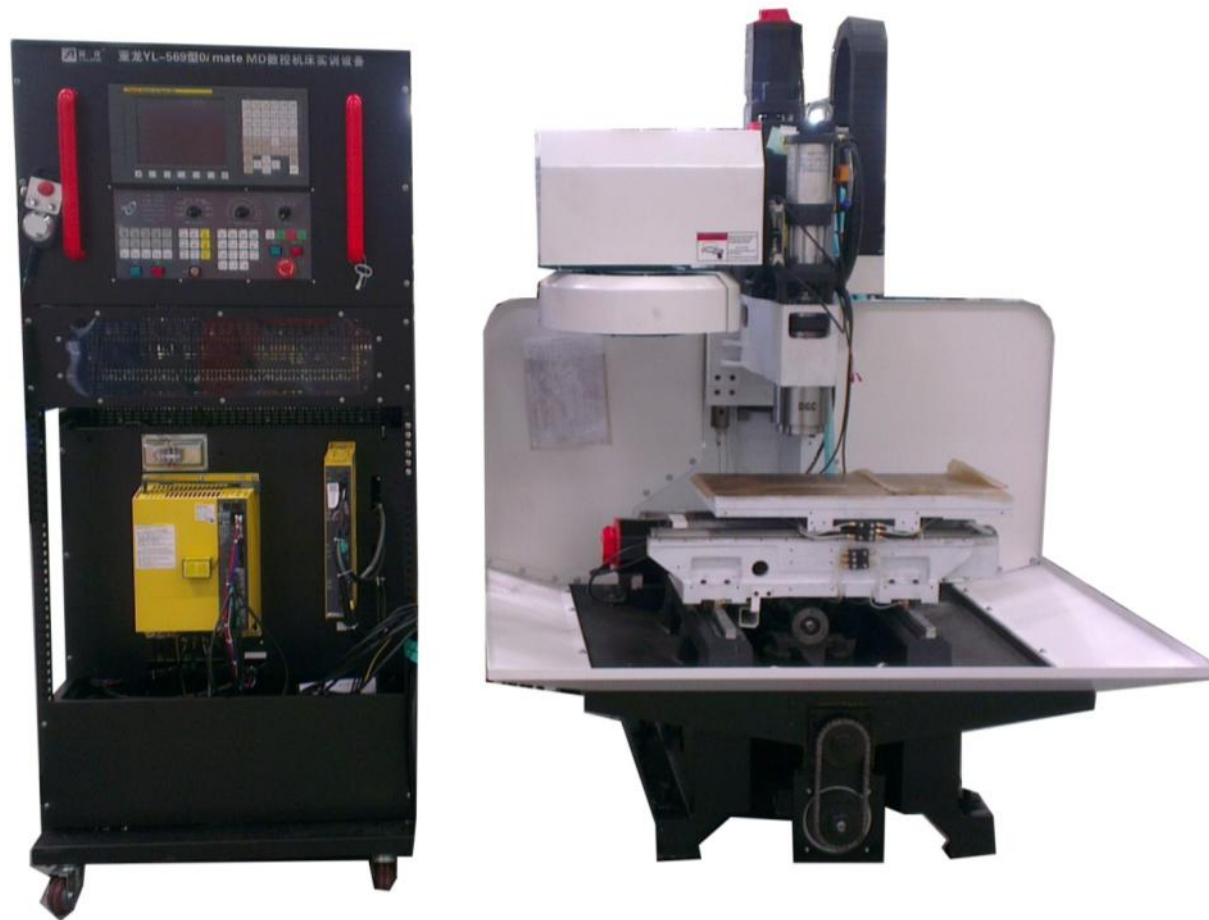
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全国职业院校技能大赛项指定设备



亚龙YL-569型数控机床装调维修实训设备



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设备名称	型号	数量
CNC Milling Machine	YL-569A 0i mate MD	8
CNC Lathe Machine	YL-569A 0i mate TD	8



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4、电梯维修与保养专业的核心岗位分析；

岗位群名称	主要工作任务	职业资格证书
电梯生产制造企业中从事电梯安装、调式、维护与保养	机械识图与绘图；电梯机械部分安装与调试 电梯电气部分的安装与调试；电梯整机运行与调试； 电梯控制电路故障的诊断与排除；电梯机械故障的诊断与排除	中级焊工证 中高级维修电工证 电梯操作资格证
电梯维修与保养公司中从事电梯安装、调式、维护与保养	机械识图与绘图；电梯机械部分安装与调试；电 梯电气部分的安装与调试；电梯整机运行与调试 电梯控制电路故障的诊断与排除；电梯机械故障 的诊断与排除	中级焊工证 中高级维修电工证 电梯操作资格证
物业管理公司中从事电梯维护与保养	电梯的日常运行管理；电梯基本、保障、半年与 一年项目的保养；电梯控制电路故障的诊断与排 除；电梯机械故障的诊断与排除	中高级维修电工证 电梯操作资格证
制造生产性企业中从事各种货梯及客梯维修、保养及运行管理	电梯的日常运行管理；电梯基本、保障、半年与 一年项目的保养；电梯控制电路故障的诊断与排 除；电梯机械故障的诊断与排除	中高级维修电工证 电梯操作资格证
各商业卖场、各交通枢纽（火车站、飞机场等）中从事电梯维修与保养	电梯的日常运行管理；电梯基本、保障、半年与 一年项目的保养；电梯控制电路故障的诊断与排 除；电梯机械故障的诊断与排除	中高级维修电工证 电梯操作资格证



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电梯电气技术专业 职业化方向

- ✓ 电梯自动控制技术
- ✓ 电梯常见故障诊断与排除
- ✓ 电梯电气系统安装与调试
- ✓ 电梯运行与管理
- ✓ 电气控制基础线路安装与调试
- ✓ 自动扶梯
- ✓ 电梯安装与调试
- ✓ 电梯结构与原理
- ✓ 电梯维修与保养
- ✓ 电梯运行与安全管理技术

电梯职业 岗位群

- ✓ 电梯生产制造企业中从事电梯安装、调式、维护与保养；
- ✓ 电梯维修与保养公司中从事电梯安装、调式、维护与保养；
- ✓ 物业管理公司中从事电梯维护与保养；
- ✓ 制造生产性、企业中从事各种货梯及客梯维修、保养及运行管理；
- ✓ 各商业卖场、各交通枢纽（火车站、飞机场等）中从事电梯维修与保养



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★真实电梯 Real elevator

★钢构井道 Steel well

★安装、维修与保养

Installation, Troubleshooting
and Maintenance



五一赛
赛

For National Skills Competition



YL-778型 自动扶梯维修与保养实训考核装备
YALONG YL-778 Escalator Troubleshooting
and Maintenance Training and Assessment
Equipment

YL-777型 电梯安装、维修与保养实训考核装备
YL-777 Elevator Installation,
Troubleshooting and Maintenance Training
and Assessment Equipment



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YALONG

China well-known brand



Worlddidac industrial-education
cooperative forum executive
director commission member



电气、门机构、井道、导轨、轿厢、对重、曳引机.....

Electric, special purpose vehicle, well, guide rail, lift car, counterpoise, and tractor...



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亚龙YL-835户式中央空调实训考核系统
**YALONG YL-835 Household Central Air Conditioner
Training and Assessment equipment**



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cooperative forum executive
director commission member

YL-713智能楼宇安保系统实训设备
**YL-713 Intelligent Building Security
System Wiring Training Equipment**



YL-714智能楼宇过程实训设备
**YL-714 Intelligent
Building Engineering
Training Equipment**





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Central air-conditioning, water supply and drainage, water spray suppression, power supply and distribution...



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亚龙YL-iB712型 智能楼宇综合技能实训考核平台 —结构尺寸量身定制

YALONG YL-iB712 Intelligent Building Comprehensive Skills Training and Assessment Platform— Custom-made structural dimensions

亚龙YL-IB712型 智能楼宇综合技能实训考核平台 ——结构尺寸量身定制



①水平转角桥架的敷设 Horizontal corner bridge frame

③水平三(四)通桥架的敷设与二次配电箱的安装

Horizontal three-way bridge and second distribution box

⑤入户配电箱的安装 Distribution box to the home

⑦线管(梁柱转角)的敷设与智能家居系统的安装

Wiring conduit and intelligent home furnishing

②垂直转角桥架的敷设 Vertical corner bridge frame

④地板桥架的敷设 Floor bridge

⑥线槽(梁柱转角)的敷设与综合布线系统的安装

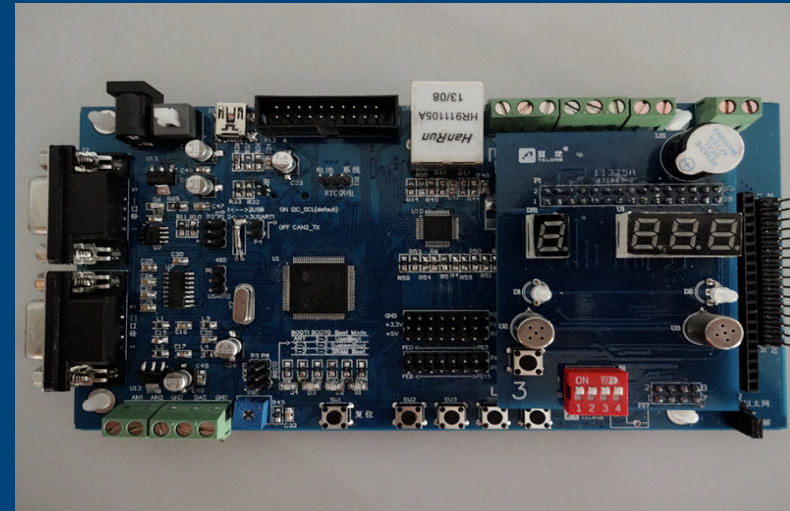
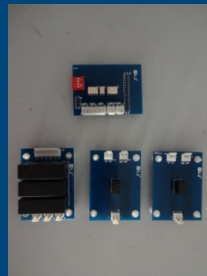
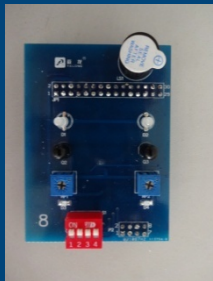
Wiring conduit and comprehensive wiring

⑧机柜桥架的敷设与卫星电视系统的安装

Cabinet and satellite TV

- ★单房间 Single room
- ★工位式 Station type
- ★编程组态 Programming configuration
- ★系统集成 System integration
- ★远程监控 Remote control

YL-796 Intelligent Constructional Engineering Networking Training and Assessment Equipment



YL-796型 智能建筑工程物联网技术实训考核装备

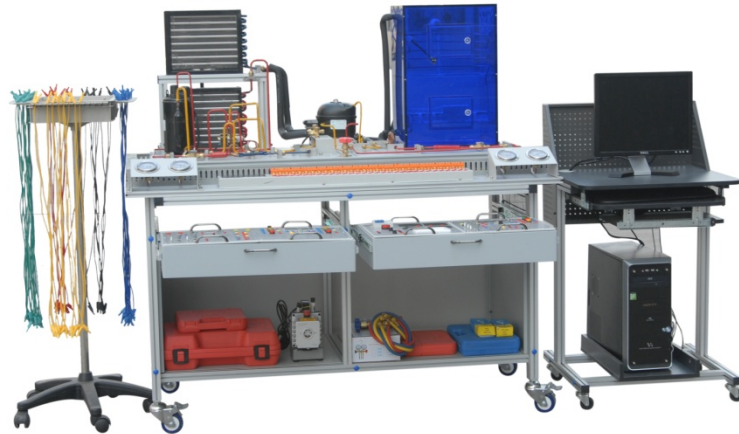


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YL-818型空调冰箱组装与调试实训考核装置
YL-818 Air Conditioner and Refrigerator
Assembly and Commissioning Training
and Assessment Equipment

YL-KWC型空调安装维修调试装置
YL-KWC Air Conditioner
Installation, Maintenance and
Commissioning Equipment





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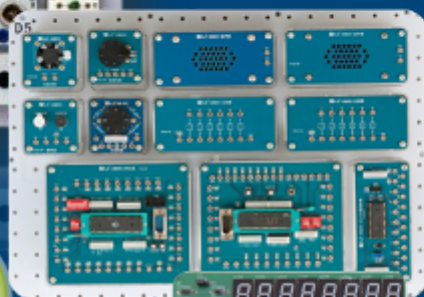
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亚龙YL-290电工电子
创新实训模块



亚龙YL-291单元
电子电路模块

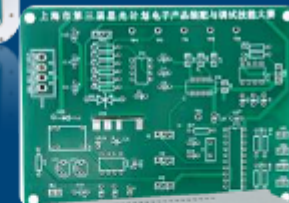
功能电路
搭建

模块电路
焊接

分析、检测
排故



大赛套件



抄板

PROTEL
画图



亚龙YL-238A型 函数信号发生器



亚龙YLDS1062D数字示波器

全国职业院校技能大赛指定设备
亚龙YL-135型 电子工艺实训考核装置
YALONG YL-135 Electronic Process
Practical Training Equipment



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一改传统观念，实现单片机控制功能，
把技术转化为产品

Transform technology into products

Manipulator

Module



实训、教学两用桌

全国职业院校技能大赛指定产品

亚龙YL-236型 单片机控制功能实训装置

YALONG YL-236 Single-chip Control
Practical Training Equipment



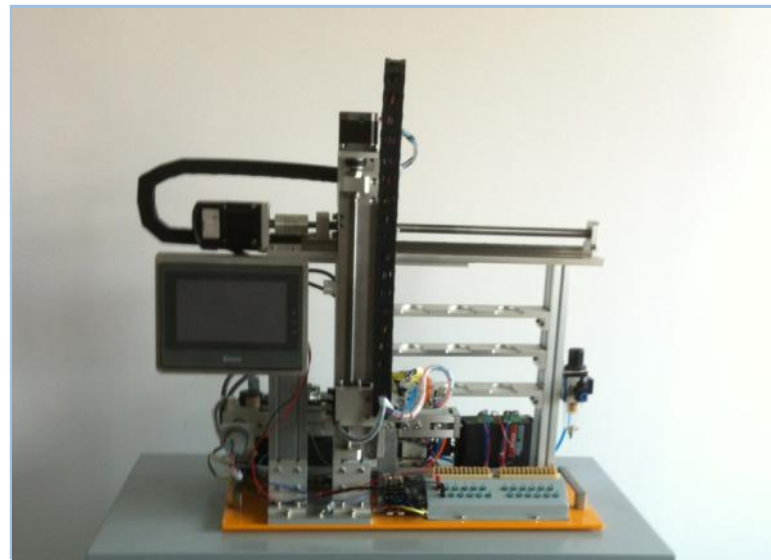
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单片机控制新增YL-G003型智能仓储装置



单片机控制YL-G003智能仓储装置
主要功能:

- 物料检测功能（RFID）
- 超出最大行程时，具有硬件自动保护功能
- 对物料自动检测并智能调整后抓取功能
- 具有手爪到位检测、夹紧检测、复位检测功能



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50 Training projects

PLC、Inverter,
Communication module,
Step, Servo, AC/DC Motor,
Sensor, Thermocouple

全国职业院校技能大赛指定产品

亚龙YL-156A型 电气安装与维修实训考核设备

**YALONG YL-156A Electrical Installation and Maintenance
Practical Training and Assessment Equipment**



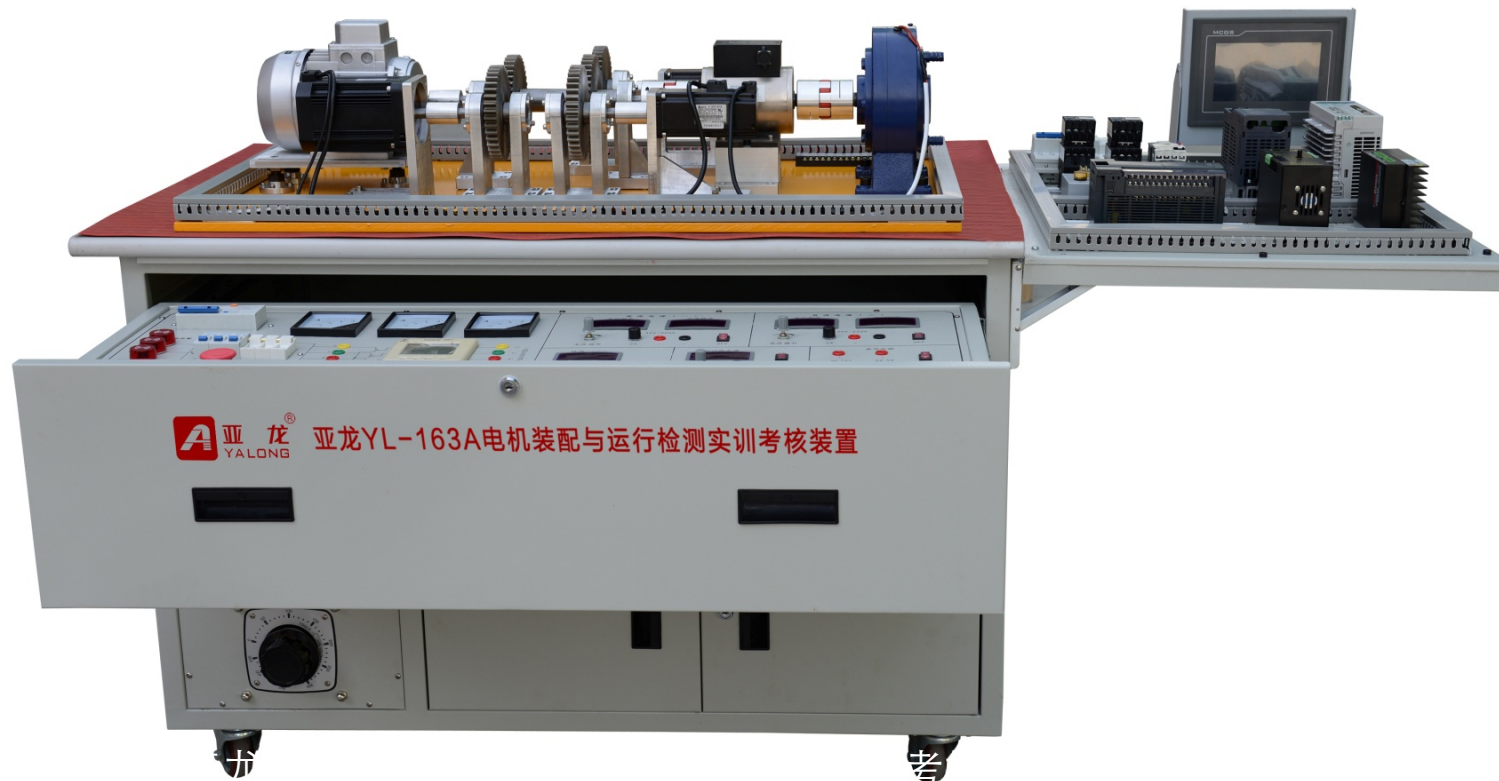
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YALONG

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director commission member

全国职业院校技能大赛专用设备 Dedicated Equipment for National Vocational Students Skills Competition



**YALONG YL-163A Motor Assembly and Test
Practical Training and Assessment Equipment**



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director commission member

全国职业院校技能大赛指定设备



亚龙YL-163A 型电机装配与运行检测考核装备



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亚龙YL-358型PLC控制的液压、气动实训装置
YALONG YL-358 PLC-controlled Hydraulic and Pneumatic
Practical Training Equipment



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亚龙 YL-237B机械装调技术综合实训考核装备
**YALONG YL-237B Mechanical Assembly and Alignment
Comprehensive Training and Assessment Equipment**



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YALONG YL-636P PASSAT B5
Overall Vehicle Electrical Test
Training and Assessment
Equipment

全国汽车电器职业技能竞赛

亚龙YL-636P型（帕萨特1.8T）全车电气检测实
训考核综合装备



YALONG YL-635A Vehicle
Engine Assembly &
Disassembly and Test
Training and Assessment
Equipment

**全国职业院校技能大赛高职组汽车技术-
汽车维修与故障排除赛项”唯一指定设备**
亚龙YL-635A型汽车发动机拆装运行检测实训考
核装置



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亚龙YL-172系列 动车组 (CRH3) 电气控制系统 安装与维修实训考核设备



为“北车”员工培训考核定制

- ▲ 受电弓升降控制电路
- ▲ 紧急、停放制动与转向架监控控制电路
- ▲ 主断环路控制电路
- ▲ 空调控制电路
- ▲ 列车VVVF牵引控制
- ▲ 客室照明控制电路
- ▲ 列车自动门控制电路



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director commission member

亚龙与北车集团联合研发实训装备

北车集团的CHR380B项目

动车组调试技能实训装置



为“中国北车”员工
技能培训大赛定制设备

亚龙与北车集团联合研发实训装备

北车城客调试操作技能实训装置项目（BJ-06型）

此项目为北京6号线整车电路控制的模拟系统，包括头车、尾车及中间车辆，实现整车各个控制系统的有机结合





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高速铁路供电系统运行与维护系列

Electricity System for High-speed Railway Operation and Maintenance





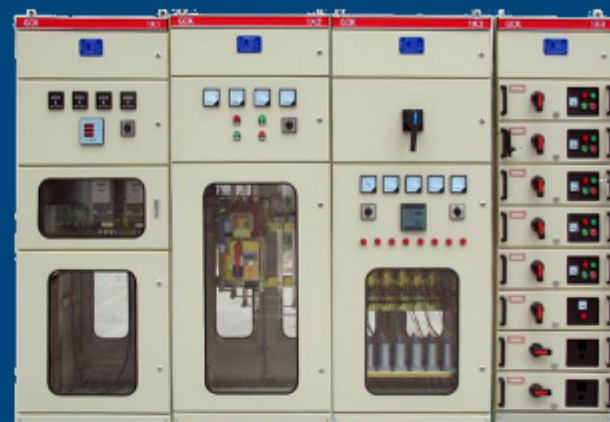
China well-known brand



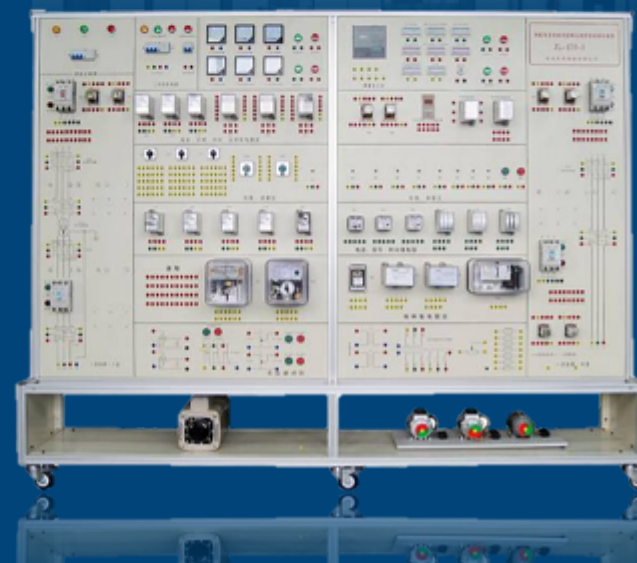
Worlddidac industrial-education cooperative forum executive director commission member

亚龙YL-160系列 供配电技术成套实训设备

YALONG YL-160 Complete Set Power Supply and Distribution Training Equipment



亚龙YL-150-III系列 电力系统综合二次继电保护实训考核装置



工厂、建筑、地铁供配电...



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YALONG YL-187 Solar Electromechanical Training Equipment

亚龙YL-187型 太阳能机电综合实训系统



控制器充放电



DC-AC逆变



太阳循迹系统

仿真教学

故障模拟



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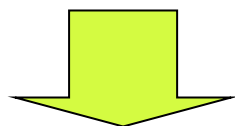
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亚龙YL-G002型太阳能循迹系统演示装备
**YALONG YL-G002 Solar Tracking System Demonstration
Equipment**

做学教一体化的人才培养具体实施

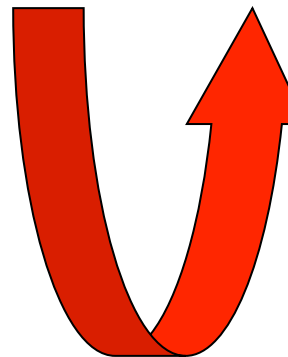
基本技能与理论知识



设备组装与调试

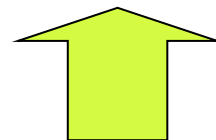


行动导向

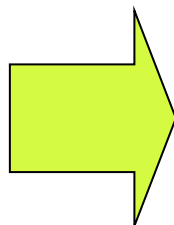


开发设计能力

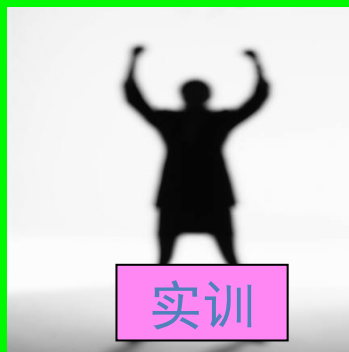
综合核心职业能力训练



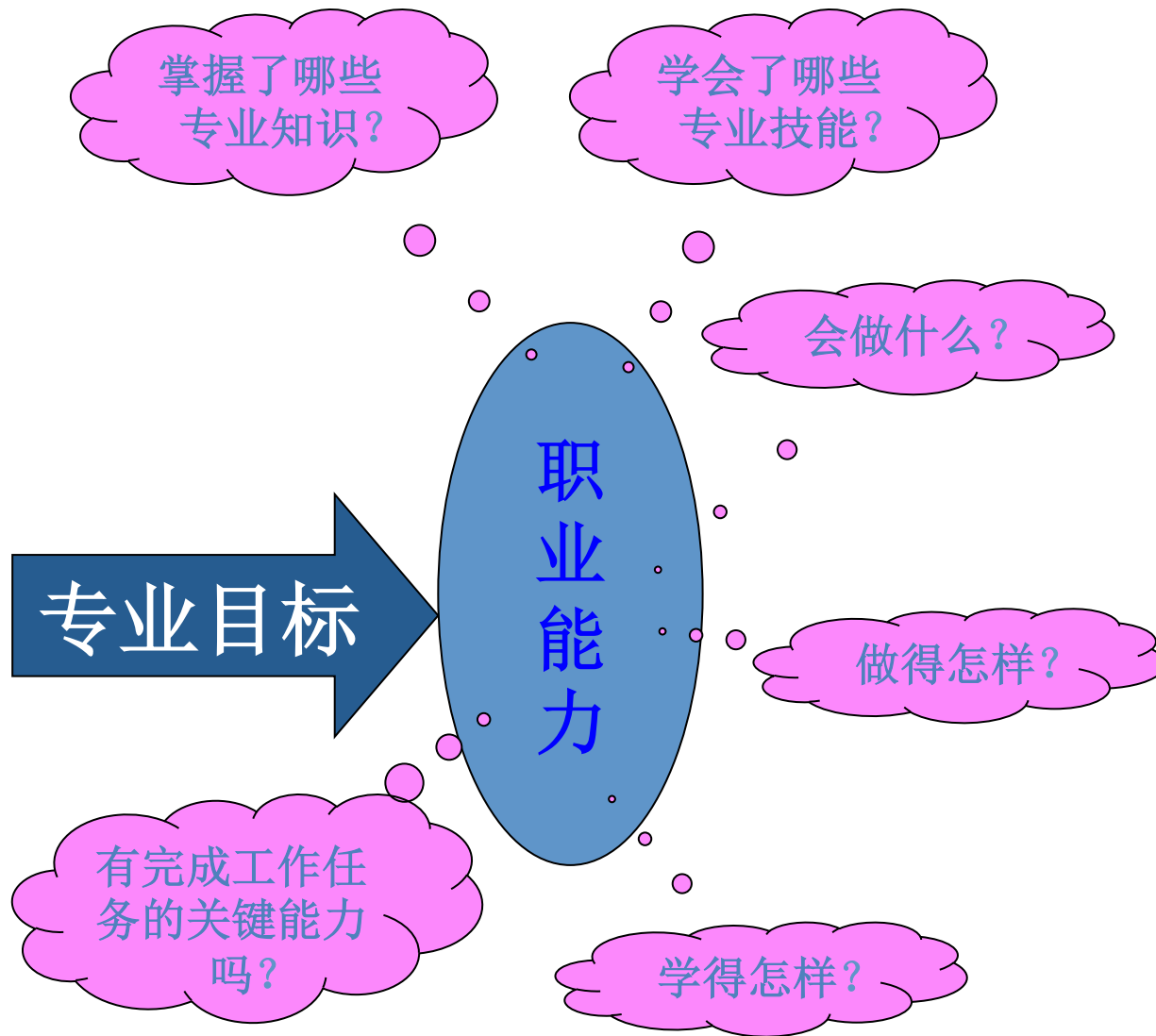
系统安装与调试与分析能力

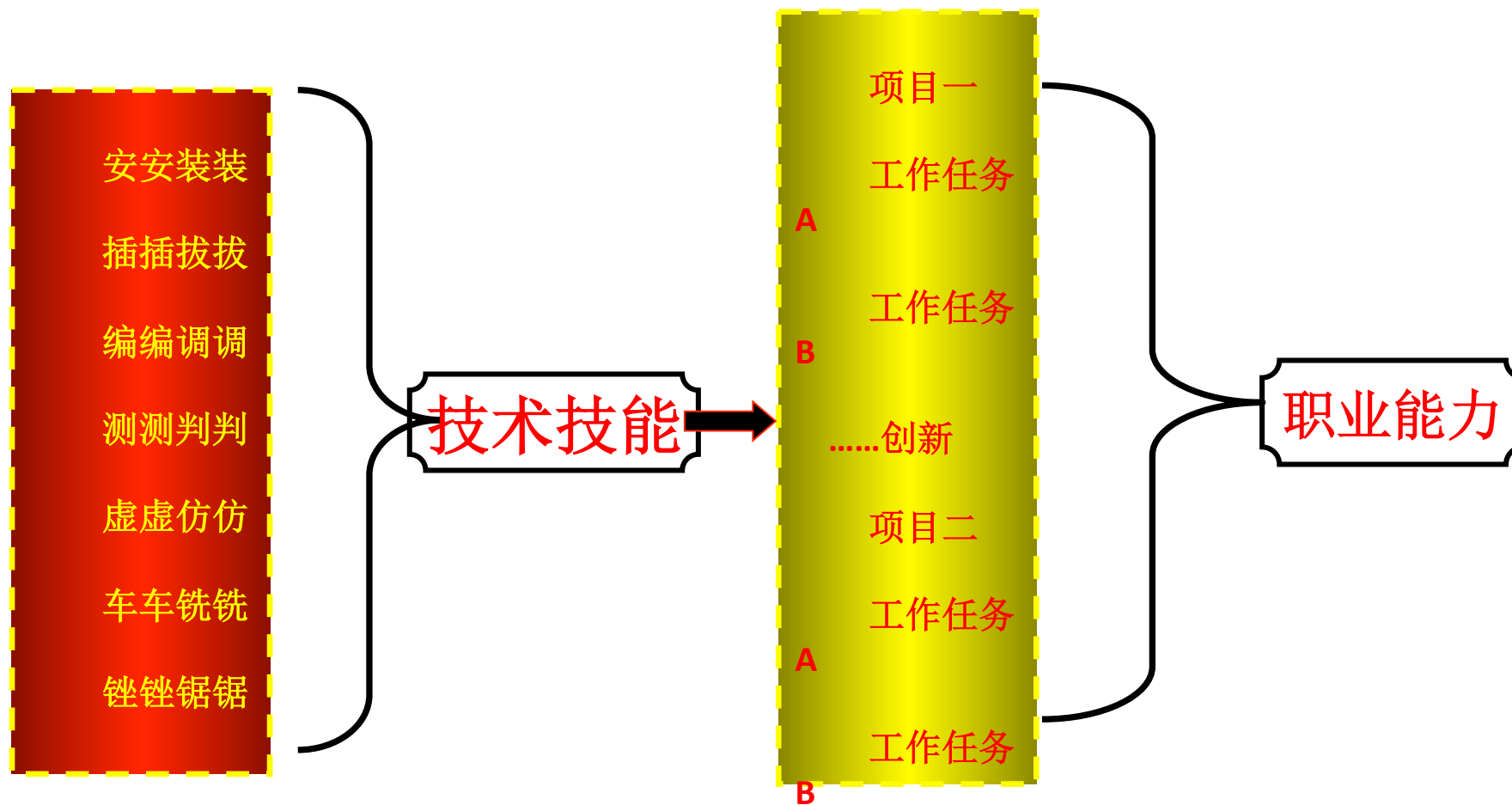


质量评价



教学活动





小结：通过做、学、教一体化是培养人才的有效手段



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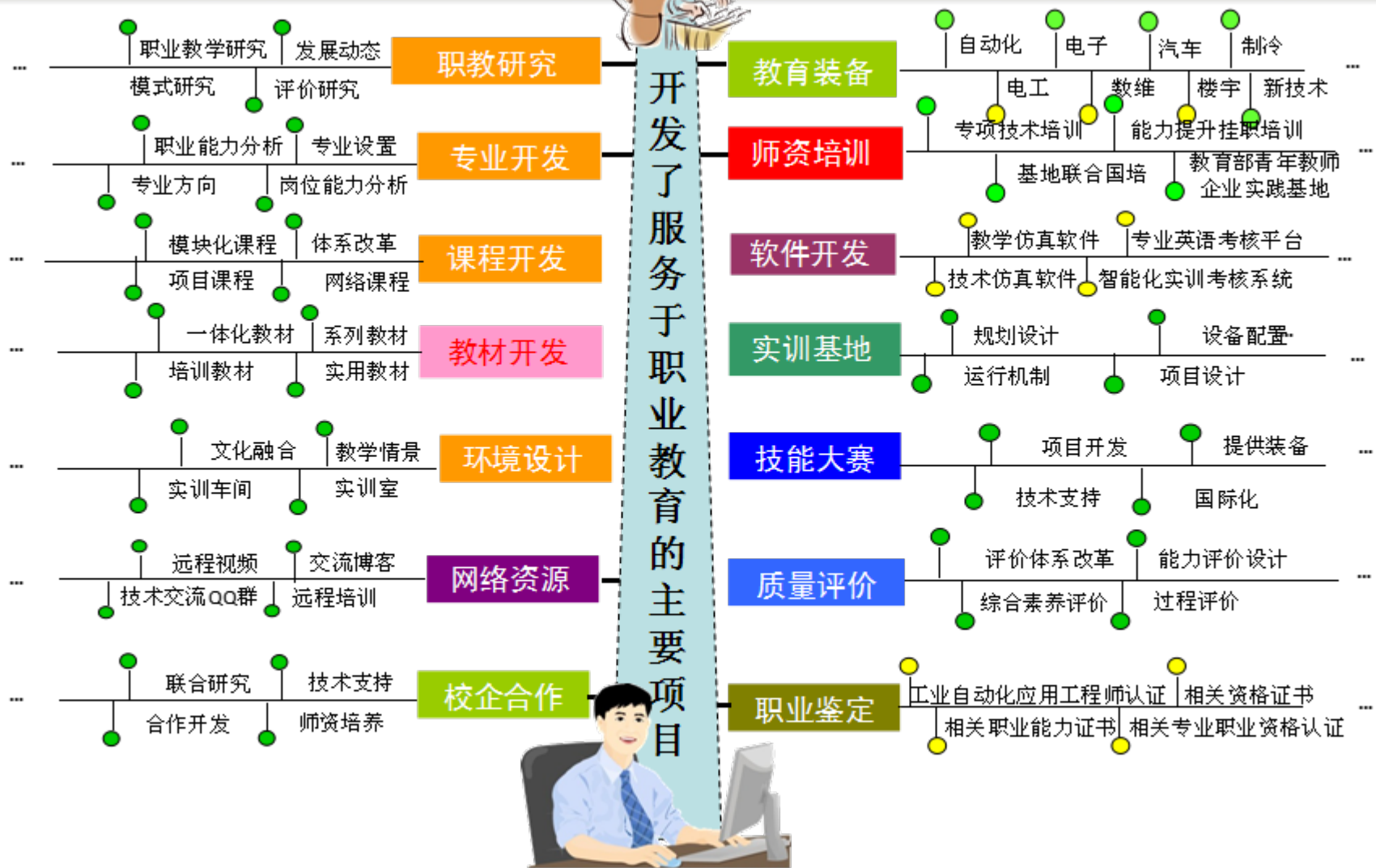
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director commission member

四、亚龙提供的服务

Service Provide by Yalong



形成了“做学教一体化”人才培养整体解决方案



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Service Provided by YALONG 亚龙提供的服务

Automation Training System, Curriculum Development, Teacher Training

自动化技术系列设备、课程开发、师资培训

- Industrial Robot Training System, Curriculum Development, Teacher Training
- 工业机器人技术系列设备、课程开发、师资培训
- Robot Innovation Training System, Curriculum Development, Teacher Training
- 机器人创新技术系列设备、课程开发、师资 培训
- Mechatronics Training System, Curriculum Development, Teacher Training
- 机电一体化技术系列设备、课程开发、师资培训
- Process Control Training System, Curriculum Development, Teacher Training
- 过程控制技术系列设备、课程开发、师资培训
- Motion Control Training System, Curriculum Development, Teacher Training
- 运动控制技术系列设备、课程开发、师资培训



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- Flexible Automatic Production Line Training System, Curriculum Development, Teacher Training 柔性生产线技术系列设备、课程开发、师资培训
- Hydraulics and Pneumatics Training System, Curriculum Development, Teacher Training 液压与气动技术系列设备、课程开发、师资培训
- CNC Maintenance Training System, Curriculum Development, Teacher Training
- 数控机床维修技术系列设备、课程开发、师资培训
- Machine Tools Electric Training System, Curriculum Development, Teacher Training
- 机床电气技术系列设备、课程开发、师资培训
- Railway Training System, Curriculum Development, Teacher Training
- 轨道交通技术系列设备、课程开发、师资培训
- Vehicle Maintenance Training System, Curriculum Development, Teacher Training
- 汽车维修技术系列设备、课程开发、师资培训



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- Electronics Training System, Curriculum Development, Teacher Training
- 电子技术系列设备、课程开发、师资培训

- SCM, Sensor Training System, Curriculum Development, Teacher Training
- 单片机、传感器技术系列设备、课程开发、师资培训

- Zigbee Training System, Curriculum Development, Teacher Training
- 物联网技术系列设备、课程开发、师资培训

- Air-conditioning and Heating Training System, Curriculum Development, Teacher Training
- 制冷制热技术系列设备、课程开发、师资培训

- Central Air-conditioning Training System, Curriculum Development, Teacher Training
- 中央空调技术系列设备、课程开发、师资培训

- Intelligent Building Training System, Curriculum Development, Teacher Training
- 智能楼宇技术系列设备、课程开发、师资培训



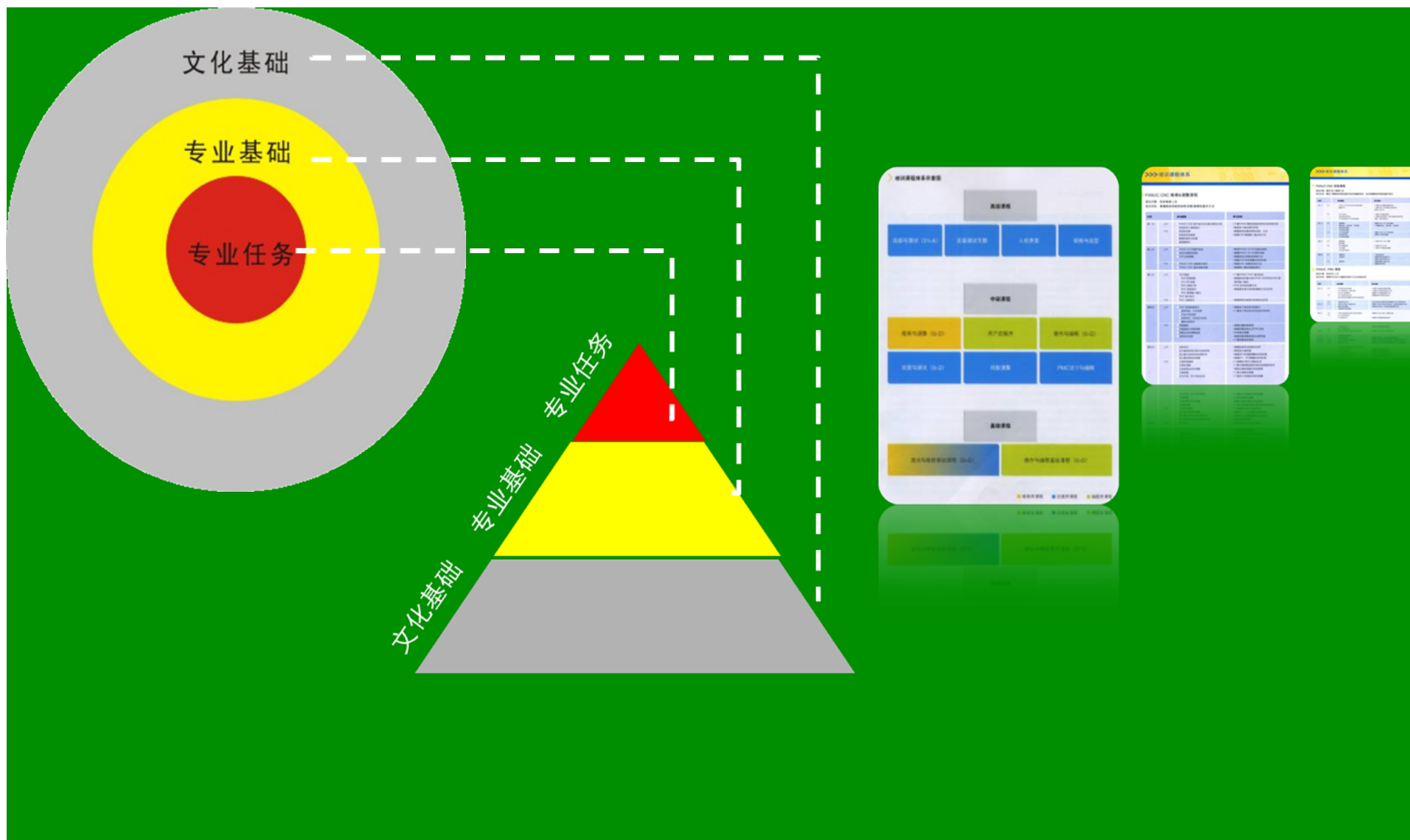
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- Elevator Installation and Maintenance Training System, Curriculum Development, Teacher Training
- 电梯安装维修技术系列设备、课程开发、师资培训
- Electrician Training System, Curriculum Development, Teacher Training
- 电工技术系列设备、课程开发、师资培训
- Occupation Skill Appraisal Training System for PLC Designer, Curriculum Development, Teacher Training
- 可编程序设计师职业技能鉴定系列设备、课程开发、师资培训
- Motor, Power Electronics and Automation Training System, Curriculum Development, Teacher Training
- 电机、电力电子自动化技术系列设备、课程开发、师资培训
- Solar Energy, Wind Energy Training System, Curriculum Development, Teacher Training
- 太阳能、风能技术系列设备、课程开发、师资培训
- Smart Power Grids, Power Supply and Distribution Training System, Curriculum Development, Teacher Training
- 智能电网、供配电技术系列设备、课程开发、师资培训

1、课程开发 Curriculum development



YALONG 服务·软件开发

拥有一套“随身”的设备！
拥有一个“无处不在”的老师！
让每一堂都变得更加

生动！



实训仿真软件
Simulation training

虚拟考核软件
Virtual assessment

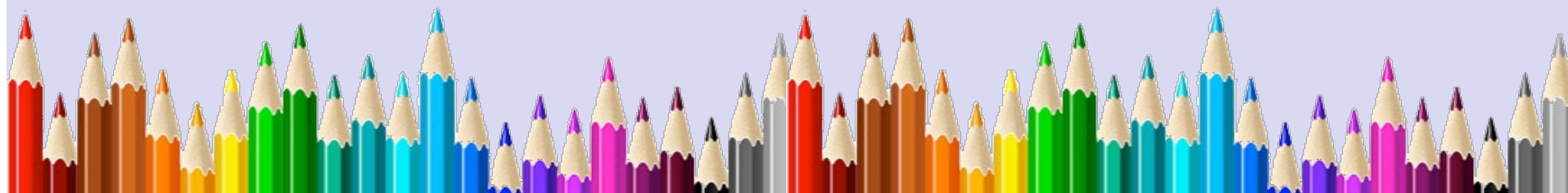
专业英语
考核平台
Specialized English

行业仿真软件
Virtual industry

FLASH
动画模拟
Animation

...

2、YALONG 软件系列 Software series





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YALONG 服务·软件开发



英语口语竞赛操作平台暨国际贸易实务实训模拟系统(INTT)





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亚龙开发的在线学习平台

A 亚龙[®]
新闻 技能大赛 高等院校 职业院校 技工院校 行业企业 职业技能鉴定

登陆

注册

登陆 注册

公告

国家级精品资源共享课建设技术要
关于《精品资源共享课建设工作实
教育部关于国家精品开放课程建设

新闻

全国职业院校技能大赛六月开赛
第二届全国国际贸易职业能力竞赛
关于召开2012年全国职业院校技能
江苏农林职业技术学院：带动一方农民
河北公办中等职业学校农村学生将
中师资培训正在突破三大瓶颈



关于2012年全国中等职业院校“数控技术”骨干教师培训

学校优秀专用云平台



学校优秀专用云平台



最新课程



亚龙YL-335B 自动生产线实
训指导

学习次数：24次
课程类别：制冷



亚龙YL-236型单片机控制功
能实训指导

学习次数：24次
课程类别：制冷



亚龙YL-156A型电气安装与
维修实训指导

学习次数：24次
课程类别：制冷



亚龙YL-569型数控车床实训
指导

学习次数：24次
课程类别：制冷

职业技能鉴定

政策法规

印尼强制执行空调国家标准 要求
节能减排深化 政府采购空调更关
我国《空气净化器环保认证规则》
机电新产品标准化审查管理办法
城镇污水处理厂污泥处理处置及污
无线电台执照管理规定
税控收款机生产企业资质管理办法
建立卫星通信网和设置使用地球站
全国专业标准化技术委员会管理规
《能源领域行业标准化管理办法》

技能大赛课程

YL-335B YL-635A YL-235A

YALONG·资源库建设

Resource library construction



自动化生产线安装与调试课程包

教育部自动化类教学指导委员会

课程要点: 机械装配, 工艺流程, 程序编制, 组态画面, 接线原理, 虚拟演示, 电子课件, YL_335教材, 大赛设备, 安全操作.

您当前位置: 自动线安装与调试课程包

公告: 2009“亚龙杯”全国高职院校...
教学录像: YL_335A组装简介, YL_335A培训视频
实践条件: 合作企业, 实践条件
设备说明

教育部高职高专自动化技术专业教指委课程资源建设网站
<http://www.gzhgzh.net>



淘宝网 店铺

亚龙教育装备旗舰店

全场单笔满100元包邮(偏远地区)

成功付款 订单管理 售后支持 用心服务

工业材料: 亚龙YALONG 8:00-17:00
在线客服: 帮助中心

产品分类: 亚龙教育装备, YL_335A, YL_335B, YL_335C, YL_335D, YL_335E, YL_335F, YL_335G, YL_335H, YL_335I, YL_335J, YL_335K, YL_335L, YL_335M, YL_335N, YL_335O, YL_335P, YL_335Q, YL_335R, YL_335S, YL_335T, YL_335U, YL_335V, YL_335W, YL_335X, YL_335Y, YL_335Z

亚龙教育装备旗舰店: yalongcn.taobao.com



亚龙 YALONG FANUC 数控系统应用中心

首页 日志 相册 音乐 收藏 朋友 关于我

数控技术交流平台
FANUC数控系统应用中心交流平台

陈吉安 博客积分: 24 博客等级: 1 博客访问: 2

我的中心: 我的博客, 我的相册, 我的音乐, 我的收藏, 我的好友, 我的留言, 我的评论, 我的回复, 我的私信, 我的通知, 我的提醒, 我的消息, 我的系统, 我的设置, 我的帮助, 我的退出

亚龙 FANUC 数控系统应用中心技术交流博客

3、Teaching material development 教材开发



Yalong and national experts have co-written 60 course books .





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做学教一体化教材目录

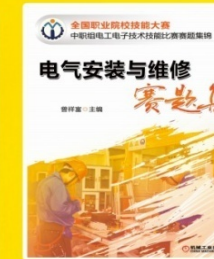
亚龙做学教一体化的教材开发是在“亚龙做学教一体化的教育装备”的开发理念和要求基础上开发的教材。以做学教一体化形成职业岗位能力和创新能力为核心的教材开发理念，解决的问题是“做什么”、“学什么”，这与传统教材需要解决的问题是“是什么”、“为什么”有很大的区别。以亚龙教育装备为载体，亚龙工程师、高等院校、职业院校、技工院校的老师共同编写的教材已达50多本。亚龙与高等教育出版社、机械工业出版社、中国铁道出版社、广西教育出版社等合作开发机电类、数控类、电工电子技术类、汽车运用与维修类专业的做学教一体化系列教材将陆续发行。



适用设备：亚龙YL-236型单片机控制功能实训考核装置
参考价格：39元



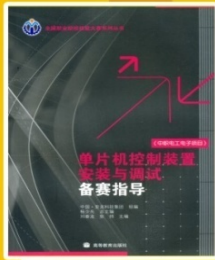
适用设备：亚龙YL-235A型光电一体化实训考核装置
参考价格：42元



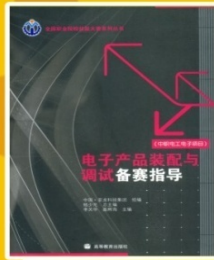
适用设备：亚龙YL-156A型电气安装与维修实训考核装置
参考价格：49元



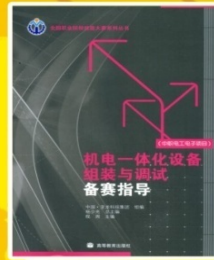
适用设备：亚龙YL-135型电子工艺实训考核装置
参考价格：39元



适用设备：亚龙YL-236型单片机控制功能实训考核装置
参考价格：34.6元



适用设备：亚龙YL-135型电子工艺实训考核装置
参考价格：39.5元



适用设备：亚龙YL-235A型光电一体化实训考核装置
参考价格：34.6元



适用设备：亚龙YL-236型单片机控制功能实训考核装置
参考价格：27.3元



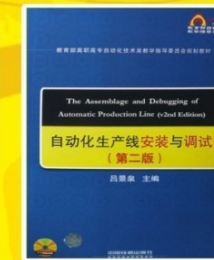
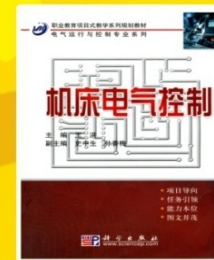
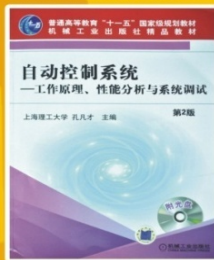
适用设备：亚龙YL-156A型电气安装与维修实训考核装置
参考价格：47.5元



适用设备：亚龙YL-335B型自动化生产线实训考核装置(三菱)
参考价格：38元



适用设备：亚龙YL-235A型光电一体化实训考核装置
参考价格：47元



Teaching books

4、Teacher training 师资培训

Yalong has established more than 30 teacher training base, and provided about 1,000 training for countrywide schools. Almost **20,000** teachers have received training at Yalong.

亚龙在全国成立了30多个师资培训基地，为全国院校提供培训近1000次，受培训教师达近**20000**人次，加速推动了地域性经济的发展，为职业教育提升软实力。





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亚龙本科师资培训班

5、实训基地建设

亚龙为各院校提供**做学教“一体化”实训室**整体解决方案。根据专业群的教学需求和职业岗位群的能力要求，进行实训基地建设，是亚龙为广大院校提供实训基地建设服务的理念。亚龙已为**全世界10000**多所职业院校提供了**20000**多个的实训基地建设服务，每年有**300万学生**通过亚龙教育装备掌握技术技能。并配套以实训设备为载体的实训教材、信息化资源库，有力地推动了职业教育教学改革，为培养与企业行业急需的技术技能型人才奠定了坚实的基础。







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常州机电职业技术学院 安川工业机器人实训室



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6、为技能大赛服务

普通教育有高考、职业教育有大赛，是我国教育工作制度一次重大设计和创新。从2007年至今，亚龙人一直都把服务技能大赛作为工作的重中之重，致力研发了一系列适合竞赛的设备。其中，YL-135型电子装配与调试实训考核装置、亚龙YL-235A型光机电一体化实训考核装置、YL-236型单片机技术实训考核装置、YL-156A型电气安装与维修实训考核装置、YL-569数控车床实训设备、YL-635A型发动机拆装运行检测实训考核装备、YL-335B型自动线安装与调试实训考核装置、YL-777电梯维修与保养实训考核装置、YL-163A电机装配与检测实训考核装置、YL-835户式中央空调实训考核装置、YL-569 数控加工中心实训设备等**11**个产品，被作为竞赛平台支持全国职业院校技能大赛，并连续7年获得全国职业院校技能大赛组委会颁发的“企业突出贡献奖”。把亚龙的企业名字刻在了万里长城上，这是职业教育界的领导、专家和老师们对亚龙的肯定。

广泛协助各省、市、地区举办、承办各种区域选拔赛和技能竞赛，亚龙已为国赛和省赛提供装备与技术支持达500多场次。



全国职业院校技能大赛



- 电子产品装配与调试竞赛项目指定设备：亚龙 **YL-135**型 电子工艺实训考核装置；
- 机电一体化设备组装与调试竞赛项目指定设备：亚龙 **YL-235A**型 光机电一体化实训考核装置；
- 单片机控制装置安装与调试竞赛项目指定设备：亚龙 **YL-236**型 单片机功能控制实训考核台；
- 电气安装调试项目指定设备：亚龙 **YL-156A**型 电气安装与维修实训考核装置；
- 数控项目指定设备：亚龙 **YL-569**型 数控机床实训设备；
- 电梯维修保养项目指定设备：亚龙 **YL-777**型 电梯安装、维修与保养实训考核装置；
- 自动线安装与调试项目指定设备：亚龙 **YL-335B**型 自动线安装与调试实训考核装置；
- 中央空调安装与维修项目；亚龙 **YL-835**户式中央空调实训考核系统
- 电机装配与检测项目；亚龙 **YL-163A**电机装配与运行检测考核装置

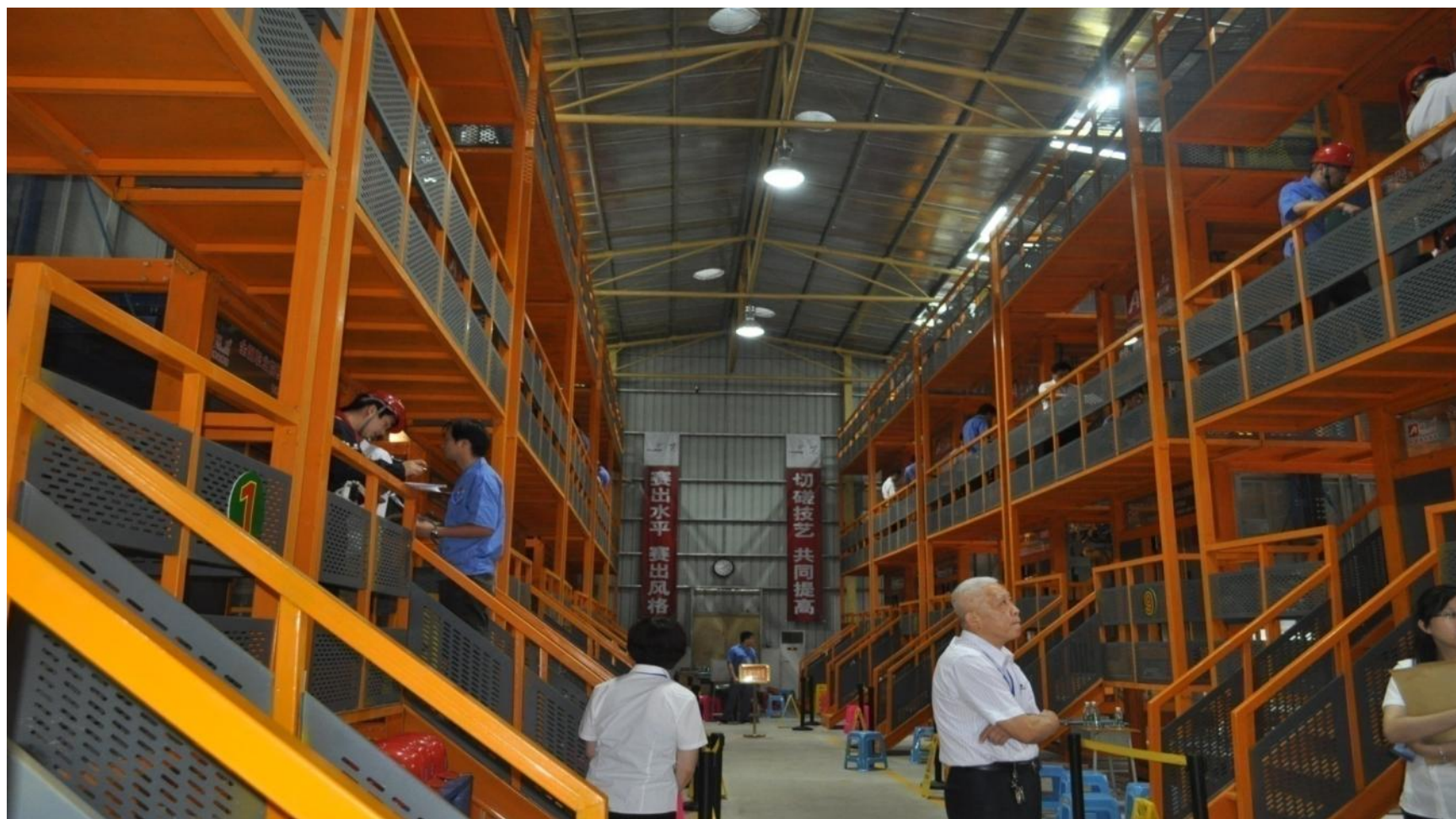


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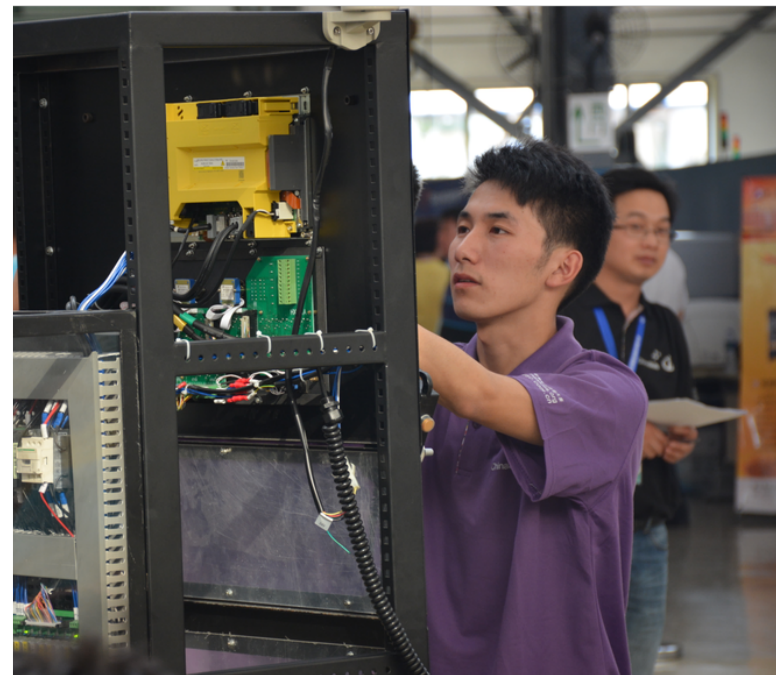
Worlddidac industrial-education cooperative forum executive director commission member

全国职业院校技能大赛电梯维修保养赛项指定设备





2014年全国职业院校技能大赛 “亚龙”杯数控车床装调与维修赛项现场





2014年全国职业院校技能大赛 “亚龙”杯电机装配与运行检测赛项现场

ChinaSkills



2014年全国职业院校技能大赛
2014 National Vocational Students Skills Competition

中职组“亚龙”杯户式中央空调安装与调试赛项

主办单位：教育部 天津市人民政府 科学技术部工业和信息化部 国家民族事务委员会 民政部 财政部 人力资源和社会保障部 国土资源部环境保护部 住房和城乡建设部 交通运输部 水利部
农业部 商务部 文化部 国务院国有资产监督管理委员会 国家旅游局 国家测绘地理信息局 国家中医药管理局 国务院扶贫开发领导小组办公室 中华全国总工会 共青团中央
中华职业教育社 中国职业技术教育学会 中华全国供销合作总社 中国机械工业联合会 中国有色金属工业协会 中国石油和化学工业联合会 中国物流与采购联合会 中国纺织工业联合会



2014年全国职业院校技能大赛 “亚龙”杯户式中央空调安装与调试赛项现场

7、 为职业资格鉴定服务

1. 参与相关部门的职业资格标准制定
2. 研发相关的职业资格鉴定装备
3. 与有关省职业技能鉴定中心开展职业资格鉴定工作
4. 组织教师培训工作，并开展相关专业的职业资格鉴定、
5. 有关大赛与职业资格鉴定相接轨，参赛获奖选手同时获得职业资格证书

广东省首期智能楼宇管理师职业资格鉴定

采用亚龙YL-750系列 智能楼宇职业资格鉴定设备

智能楼宇管理师
(国家职业资格二级) + 助理智能楼宇管理师
(国家职业资格三级)





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8、校企合作

亚龙承担职业院校毕业生见岗实习



亚龙与温州职业技术学院、温职中专等院校开展双元中高职做学教一体化人才培养

亚龙与江西科技师范学院联合开办“亚龙班”



亚龙与院校联合立项、研发





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教育部、发那科和亚龙三方合作签约仪式

在全国职业院校中择优建设30个**FANUC**数控系统应用中心

教育部校企合作签约仪式





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9、协助学校支持示范校建设项目

- 为人才培养方案，提供市场需求分析；
- 为专业课程设置，提供企业行业建议；
- 为教材编写、精品与核心课程建设和课堂教学改革，提供技术支持；
- 为教师的专业能力及技能水平，提供师资队伍建设方案；
- 为工学结合的实训场所建设，提供有力支撑。



亚龙拥有优势的职业教育服务资源，为一批、二批、三批示范校建设单位提供电子教材、仿真软件、指导书、配套教材、电子教案、网络课程、教学微视频、多媒体课件等资源建设服务。



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10、2002年以来，亚龙逐渐走向东盟
YALONG had Become Closer to ASEAN since 2005

Since 2005, YALONG has been making efforts to open ASEAN market. I was invited by national department of labor and education and vocational schools from Thailand, Vietnam, Indonesia, Malaysia, Myanmar, Cambodia, and Laos to present the achievements on vocational talents training. The core concept of years of research is Doing, Learning, then Teaching, ALL-IN-ONE, Learning by doing, Teaching by doing (Abbreviated as DLT). The DLT concept is widely accepted by educational field and has a profound effect on vocational education.

应泰国、越南、印尼、马来西亚、缅甸、柬埔寨、老挝等国家劳动部、教育部、各类职业院校等相关部门的邀请，我在各个国家将我研究多年的经验成果报告“做学教一体化人才培养方案”的核心理念进行了演讲、推广，引起热烈反响。



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TẬP ĐOÀN KH - CN YALONG TRƯỜNG CAO ĐẲNG KINH TẾ - KỸ THUẬT PHÚ LÂM CÔNG TY MYCOM
Trung Quốc TP. Hồ Chí Minh Singapore

HỘI THẢO GIÁO DỤC KỸ THUẬT VÀ LỄ KÝ KẾT BIÊN BẢN GHI NHỚ - HỢP TÁC

Seminar on Technical Education and MOU Signing Ceremony

Hồ Chí Minh City, May 23rd - 2009

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YALONG

- 一、职业教育要满足
- 二、概述具有中国特
- 三、加强实训基地建
- 四、在做中学是解决
- 五、技能大赛引领职





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LOKAKARYA NASIONAL POLITEKNIK NEGERI INDONESIA

Jakarta, 18 - 20 Maret 2010

FORUM DISKUSI POLITEKNIK NEGERI INDONESIA





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陈继权
向参加



Giving Speech on Nov. 16th, 2012, in Jakarta



worldskills
ASEAN
JAKARTA 2012

www.aseanskills.org
Skills for Better Life

THE 9th
ASEAN SKILLS
COMPETITION
11 - 20 NOVEMBER 2012, JAKARTA CONVENTION CENTER



2012.11



陈继权
2013年
12月9-11日
举行第十届
东盟技能
大赛第一次
技术会议



1st Committee Meeting of 2014 ASC, Dec.9th to 11th, 2013



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director commission member

- People from ASEAN countries have changed prejudiced view of Made in China since they know and understand YALONG. They have established long-term strategic relationship with YALONG.
- By far, YALONG has set up excellent partnership and agencies in Indonesia, the Philippines, Malaysia, Vietnam, Singapore, Laos, and Thailand. YALONG products have been used in vocational schools in ASEAN countries and YALONG equipment has been appointed the national skills competition equipment in ASEAN countries.

东盟各国自从认识了亚龙之后，东盟各个国家自从认识亚龙、了解亚龙之后，从原来对“中国制造”的某些偏见与误解中转变观念，开始欣赏亚龙、接受亚龙，与亚龙建立了长期战略合作。至今，亚龙已在印尼、菲律宾、马来西亚、越南、新加坡、老挝、泰国等经过考察后设立优秀合作伙伴和代理商，各合作伙伴和代理商都与亚龙建立长期合作的关系，亚龙的系列产品已经在东盟各国职业院校使用，并在东盟各国采用亚龙设备作为他们每一年的国家大赛设备。



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director commission member

亚龙国际化服务

2008年，亚龙进入东盟技能大赛
Cooperation with ASEAN Skills Competition since 2008

1. 工业自动化 Industrial Automation
2. 数控维修 CNC Maintenance

2014年第十届东盟技能大赛“**数控维修**”“**工业自动化**”赛
项于**10月23~29日**在**越南河内市**举办；

The 10th Asean skill competition is held in Hanoi ,Vietnam on
23th.-29th.Oct .2014 in“ CNC maintenance “ and “industrial
automation “ compeition .



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In 2010, committee of ASEAN Skills Competition (ASC) appointed YALONG YL-335B Automatic Line Installation and Commissioning as the 8th ASC equipment in industrial automation area.

2010年，东盟技能大赛组委会采用了亚龙“YL-335B自动生产线安装与调试”设备作为第八届东盟技能大赛工业自动化赛项的指定设备。





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In 2014, YALONG YL-569C CNC Installation & Commissioning and Maintenance equipment was appointed by 10th ASC technological meeting as the 10th ASC equipment in CNC maintenance area.

2014年，亚龙“YL-569C数控维修与安装调试”设备在第十届东盟技能大赛技术会议上脱颖而出，被选为第十届东盟技能大赛数控维修赛项指定设备。





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8th ASC, Bangkok, Thailand 第八届东盟技能大赛 泰国曼谷



2010.11



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9th ASC , Jakarta, Indonesia



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2012, 9th ASC, Industrial Automation Competition Site



2012.11



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Competitors from ASEAN Countries to participate China Skills





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- YALONG is the first educational equipment manufacturing enterprise which enter into international competition;
- The first enterprise whose technical standard adopted by international competition
- 亚龙是中国第一个走向国际大赛的教育装备企业;
- 第一个技术标准被国际大赛采用的企业;



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*Officials and Experts Inspected YALONG,
and Teachers were Trained at YALONG*

各国领导、专家来亚龙考察、交流
专业教师来亚龙培训学习



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- They highly appreciated YALONG for its contribution and great success in China vocational education progress. Since then, ASEAN countries begin sending experts, teachers and competitors to YALONG for technical training. ASEAN trainees amount to 500 and ASEAN visitors to YALONG amount to 1000.

-

对于中国职业教育的发展，对于中国腾飞着“亚龙”这样一条教育装备界的巨龙表示出了无比赞赏与极其肯定！之后一直到今年，东盟各国陆续派遣专家、教师、选手等各类专业人才到亚龙参加培训的人数达500人次；亚龙接待了来自东盟国家的专业老师及客人达1000人次。



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ASEAN Delegates visit YALONG





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Mayor of Wenzhou receive ASEAN Delegates





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The Opening Ceremony of the ASEAN Expert Training

东盟自动化老师培训
Industrial Automation experts training

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数控专家培训 CNC experts training



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亚龙YL-558型0i mate MD数控机床实训设备+YL-557机床
(适用于本科、高职、中职)

亚龙YL-558型0i mate MD数控加工中心实训设备+YL-100

亚龙YL-1000i mate MD数控加工中心实训设备+YL-100

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Clients from Indonesia



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YALONG visited Myanmar (Myanmar -China cooperation on vocational education sponsored by Myanmar Ministry of Science and Technology), Cambodia and Laos. We visited Pakpasak Technical College, Lao-German Technical School, Polytechnic College, Myanmar Technological University (Thanlyin). We signed memorandum of understanding based on facts and requirements of the three countries.

亚龙出访印尼（中国-印尼合作洽谈会）、新加坡。5月，出访缅甸（缅甸科学技术部，中-缅职业教育合作洽谈会）、柬埔寨、老挝三国。期间访问了老挝巴巴萨技术学院、缅甸丁茵技术大学、缅甸伊瓦玛政府技术高中、老德技术学校、老挝理工学院。了解了这三个国家的教育的基本情况 and 需求，签订了谅解备忘录，促进了我们与五个国家合作关系的进一步建立。



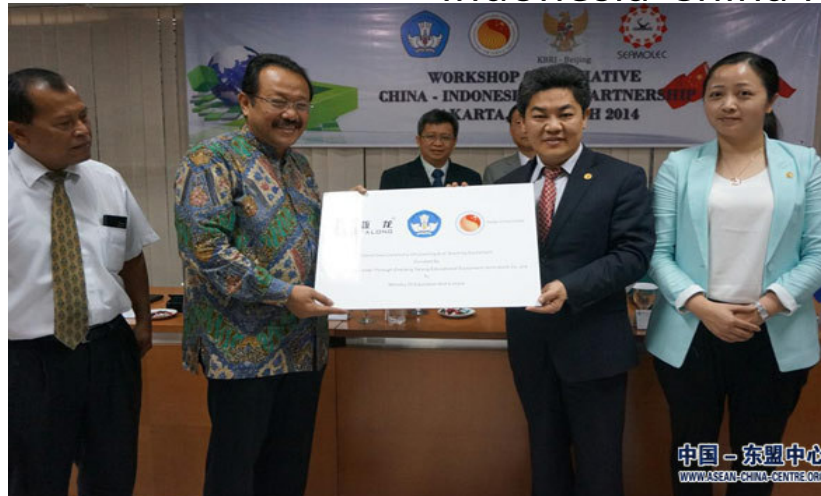
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中国-印尼合作洽谈会 Indonesia-China Partnership Workshop



2014.3 Indonesia



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缅甸科学技术部（中-缅职业教育合作洽谈会）

Visit Ministry of Science and Technology, attend the Myanmar-China Partnership Workshop on Vocational Colleges Cooperation





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访问缅甸丁茵技术大学 Visit colleges



2014.5



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访问缅甸伊瓦玛政府技术高中 Visit Colleges





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中国-老挝合作洽谈会 attend the Laos-China Partnership Workshop on Vocational Colleges Cooperation



2014.5



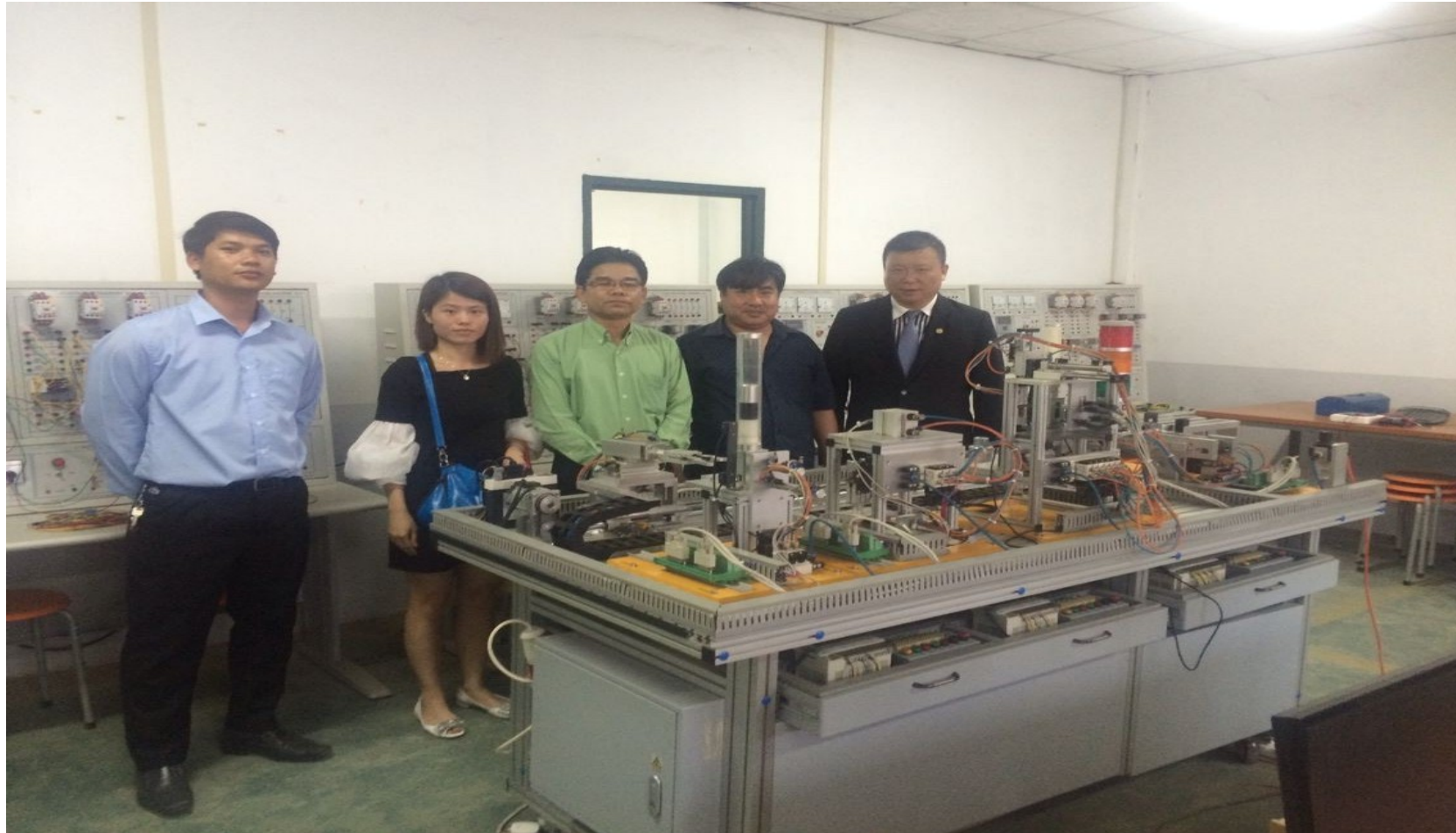
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Lao-Korean Vocational Training Center 老韩职业培训中心
YALONG YL-335B Automatic Production Line Trainer



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Yalong Training Room in HHT, Vietnam



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Yalong Training Room in Indonesia



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director commission member

Visit Colleges (巴巴萨技术学院、老德技术学校、老挝理工学院)



2014.5



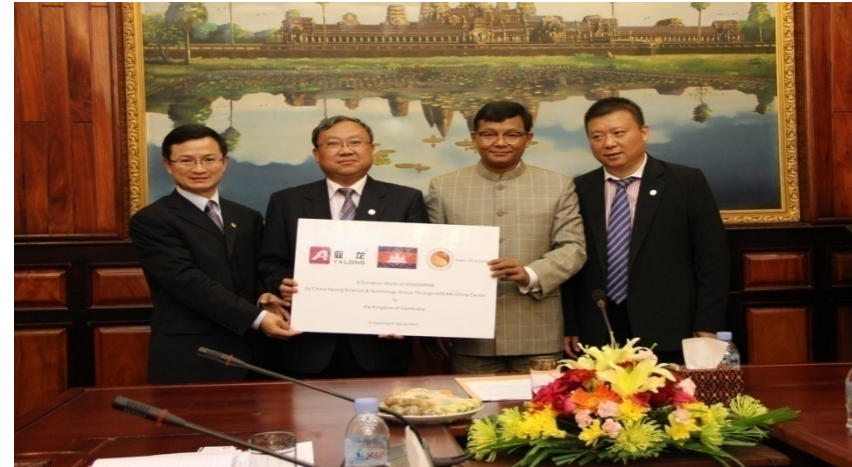
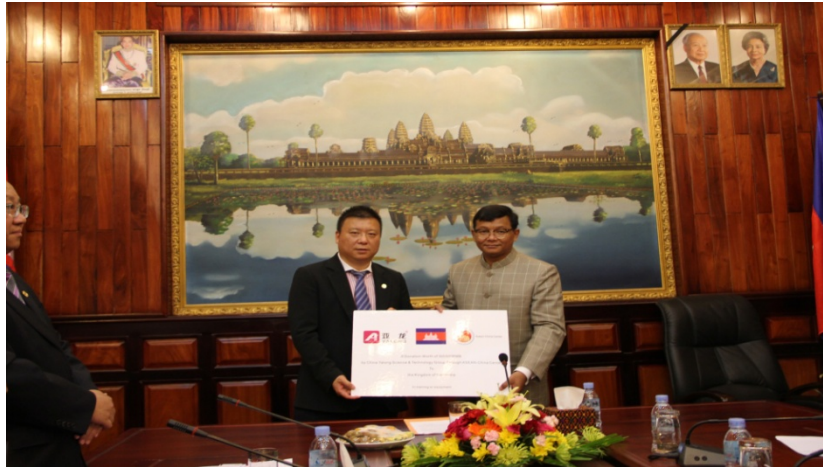
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Visit Ministry of Education and Sport



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YALONG will build strategic alliance with the supported schools 与项目学校
建立战略联盟

- YALONG will build strategic alliance with the supported schools. YALONG helps with teacher training, curriculum development and provide total solution to Doing, Learning, then Teaching, ALL-IN-ONE.

- 亚龙将会与项目学校建立战略联盟。帮助学校教师培训、课程开发，提供教育装备等做学教一体化人才培养整体解决方案的实施。



YALONG will support ASEAN graduates further study in China 项目学校毕业生对接
培养

Excellent graduates from supported schools will come to China for further study. YALONG will offer apprenticeship and job opportunities. Excellent students can be relocated in ASEAN countries and provide teacher training, curriculum development and technical support for YALONG.

项目学校的毕业生与亚龙进行对接培养，选派优秀毕业生来华留学。同时可以来亚龙实习，或可以在亚龙就业等双向选择。亚龙招聘200名东盟各国优秀学生可以派驻亚龙在东盟各国工作，为各国的教师培训、课程开发、技术支持、市场营销等服务。





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- YALONG is promoting ASEAN cooperation pattern on vocational education to South Asia. I gave a speech in Deli, India this June. In July, Consulate General of the Republic of India in Shanghai, Mr. Naveen Srivastava made a special visit to YALONG, hoping YALONG will provide better service for Indian vocational education. I visited India for the second time from Sept.8 to 12, promoting YALONG pattern to the world.
- 亚龙正在将东盟教育合作模式走向南亚，今年六月份我前住印度，在德里做了演讲。七月份印度驻上海总领事施耐恩先生专程访问亚龙，希望亚龙能更好的为印度职业教育服务，我一个月八日至十二日再次访问印度，让亚龙与东盟合作模式更好的走向世界。

2014年陈继权董事长在印度德里做报告



2014.6



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印度驻上海总领事史耐恩来亚龙考察合作交流





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五、亚龙与俄罗斯合作的探讨

- 1、亚龙希望与俄罗斯教育研究部门、工程教育和职业教育院校合作开发俄罗斯特色课程资源。
 - 2、亚龙希望与俄罗斯合作交流培养培训自动化、数控技术、轨道交通、物联网、机器人等专业技术老师。
 - 3、亚龙希望与俄罗斯合作，为俄罗斯工程教育、职业教育院校教育技术装备和信息化技术提高共同开发和服务。
1. Yalong hopes to cooperate with the educational research institutions , engineering education and vocational education colleges of Russian to develop the Russian style curriculum resource .
 2. Yalong hopes to cooperate with Russian together to train professional technical teacher of automation , CNC technology , railway, robots major .
 3. Yalong hopes to cooperate with Russian to improve and serve Russian engineering education , vocational education and informationization technology .

亚龙真诚的与联合国教科文组织、俄罗斯教育界合作；
亚龙可以输送更多优质课程资源、教育技术装备、师资
培训、教育技术信息化，为全世界的工程教育和职业教
育发展做贡献！努力为全世界更多的人带来技术与技能
！让更多的人带来快乐幸福生活！

Yalong sincerely hope we can cooperate with Russian in
education ; Yalong can transfer more excellent curriculum
resource, educational technology equipment , teacher
training and make contribution to Russian engineering
education and vocational education development .



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陈继权

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