



商用车组件及子系统 解决方案

Components & Sub-System
Solutions for Commercial Vehicles

CURTISS - WRIGHT



Curtiss-Wright是一个全球性创新性公司，公司有着超过85年的骄人的历史。公司能在商业、工业、国防、能源等领域提供工程技术、关键功能的产品和优秀服务。继承Glenn Curtiss和Wright兄弟开拓进取精神，我们通过可靠的解决方案来获得与客户之间的长期信赖与合作关系。

With a proud legacy spanning more than 85 years, Curtiss-Wright is a global innovative company that delivers highly engineered, critical function products and services to the commercial, industrial, defense and energy markets. Building on the heritage of Glenn Curtiss and the Wright brothers, we have a long tradition of providing reliable solutions through trusted customer relationships.

Curtiss-Wright 工业事业部

Curtiss-Wright Industrial Division

Curtiss-Wright工业事业部在公路和非公路车辆领域提供特殊解决方案组件和子系统上表现出色。涉及领域包括：材料处理、建筑、农业和其他特种车辆，还有中型和重型卡车、巴士和公共汽车以及先进的医用轮椅和医用电动代步车。

我们是电子油门控制系统、变速换挡器以及传感器的优秀供应商，致力于提供更高的燃油效率和更低的排放来适用全球长期发展的解决方案。我们也提供混合

动力车和电动车辆使用的电机控制器以及电力电子设备为绿色环保提供新能源解决方案。为了提高车辆的安全性和运营效率，我们还提供各种在现代驾驶室环境中无缝工作的人机界面和操作员控件。

Curtiss-Wright Industrial Division is an excellent supplier in providing components and sub-systems that enable customer specific solutions for on- and off-highway vehicles. These include material handling, construction, agriculture and other specialty vehicles, plus medium- and

heavy-duty trucks, buses, and motor coaches, as well as sophisticated wheelchairs and scooters for medical mobility.

We are an excellent provider of electronic throttle controls, transmission shifters, and sensors addressing the long-term trend across the globe towards attaining higher fuel efficiency and lower emissions. We are also addressing new energy solutions for a greener environment by providing advanced motor controllers and power electronics for hybrid and electric vehicles. In an effort to improve vehicle safety and operator efficiency, we also supply various human interface and operator controls that act seamlessly in today's modern cab environment.

世界范围

Worldwide

Curtiss-Wright工业事业部在全球，如美国、英国、中国和印度，都有设计和制造公司。美国、欧洲、中国、印度和台湾与其他国家都相互联系，并且都有我们自己的销售和技术团队。

Curtiss-Wright Industrial Division has a global foot-print, with design and manufacturing in the USA, the United Kingdom, China and India. This is backed by our own sales and technical support teams in the USA, Europe, China and Taiwan, with a network of representatives in other countries.

我们的技术提高了车辆的生产率、安全性和响应能力。

Our technologies increase vehicle productivity, safety and responsiveness.

波特兰，俄勒冈，美国
Portland, OR, USA



芝加哥，伊利诺伊，美国
Chicago, IL, USA



印度，普纳
Pune, India



说明

Legend

● 制造工厂

Manufacturing Facility

● 销售办事处

Sales Offices



英国，克姆费尔费纳赫
South Wales, UK



英国，克莱斯特彻奇
Christchurch, UK



中国，苏州
Suzhou, China

应用经验

Curtiss-Wright工业事业部拥有以下历史悠久的品牌：Arens Controls、Penny & Giles、PG Drives Technology和Williams Controls。这些企业拥有数十年向全球数千家客户提供产品的丰富经验。基于多样化的应用知识，我们通过提供快速实用的标准产品能够自信地推荐相关解决方案，或者通过与贵司工程师合作来共同开发定制设计的解决方案。

Applications Experience

Curtiss-Wright Industrial Division includes the legacy brands of Arens Controls, Penny & Giles, PG Drives Technology and Williams Controls. These businesses have decades of experience in supplying products to thousands of customers around the world. Using this diverse applications knowledge, we can confidently recommend solutions by offering standard products with rapid availability, or we can develop custom-engineered solutions by working with your engineers.



工业应用领域

- **公路车辆** - 中型和重载卡车、公共汽车及长途公共客车、休闲车、垃圾车、道路清扫车
- **非公路车辆** - 建筑、道路建设、采矿、农业、林业、机场运营、国防、赛车
- **物料搬运** - 叉车、推土机、起重机、高空作业平台
- **医疗移动** - 轮椅和电动代步车
- **静态机械** - 商业机械、开关设备、过程控制、安保

Industries Served

- **On-Highway Vehicles** - Medium- and Heavy-Duty Trucks, Buses and Motor Coaches, Recreational Vehicles, Refuse Trucks, Road Sweepers
- **Off-Highway Vehicles** - Construction, Road Building, Mining, Agriculture, Forestry, Airport Operations, Defense, Motorsport
- **Materials Handling** - Lift Trucks, Telehandlers, Cranes, Aerial Work Platforms
- **Medical Mobility** - Wheelchairs and Scooters
- **Static Machinery** - Business Machines, Switchgear, Process Control, Security

产品系列

- 人机界面控制台
- 变速箱换挡器
- 操纵杆
- 电源管理
- 电子节气门控制
- 位置传感器
- 压力传感器
- 电磁执行器和电磁阀

Product Families

- **HMI Consoles**
- **Transmission Shifters**
- **Joystick Controls**
- **Power Management**
- **Electronic Throttle Controls**
- **Position Sensors**
- **Pressure Sensors**
- **Solenoid Actuators and Solenoid Valves**





设计方案

我们为客户提供可供选择的解决方案

定制设计 - 我们与您的开发团队分享我们的应用工程专业知识，我们确保最自由的设计想法，提供最可靠和高性价比的产品解决方案，以适应您独特的应用。

- 我们拥有丰富的硬件设计经验，并拥有3D建模和快速原型设计
- 我们内部有经验丰富的软件设计团队
- 我们在欧洲和美国拥有自己的EMC测试设施
- 我们自己的环境测试设施，可以进行振动、冲击、温度、湿度、盐雾和其他测试

- 我们还拥有高度加速寿命测试和高度加速压力筛选(HALT/HASS)设施，以在开发过程中验证产品的可靠性

标准产品 - 我们的许多零件可以直接从目录中指定，有些零件还有库存。这样的话，可以提供标准产品给现有客户，并且在为主机厂开发定制设计时还可以提供快速技术评估。

质量保证

我们已通过ISO 9001、ISO 14001和ISO/IATF 16949认证。我们对设计和制造质量的承诺是我们业务的基础，同时确保我们的产品从最初设计到最终发货的可靠性。

为什么选择我们？

我们与客户合作开发基于技术的解决方案 - 许多产品都是为特定的应用定制的。我们力求以高效的运营和一流的服务，为客户提供从设计、制造到改进、准时交货的最佳解决方案。

- 广泛的经验 - 广泛的行业应用知识
- 创新产品 - 针对关键任务需求的客户包装技术
- 可靠的合作伙伴 - 以客户为中心，以质量和可靠性著称
- 全球支持 - 超过45个国家销售支持和上市公司支持

通过ISO 9001、ISO 14001和ISO/IATF 16949认证

Our systems are accredited to ISO 9001, ISO 14001 and ISO/IATF 16949.

Design Options

We offer our customers a choice of solutions to consider;

Custom design - using our applications engineering expertise with your development team, we enable a free flow of ideas to provide the most reliable and cost effective product solution to suit your unique application.

- We have extensive hardware design expertise, with 3D modeling and rapid prototyping
- We have in-house, experienced software design teams
- We have in-house EMC test facilities in Europe and the USA
- We have our own environmental testing facilities to enable vibration, shock, temperature, humidity, salt spray and other tests to be performed
- We also have highly accelerated life test and stress screening (HALT/HASS) facilities to validate product reliability during development

Standard products - many of our components can be specified straight from the catalog, with some items available from stock. This solution supports existing customers of standard products and can also aid the rapid evaluation of a technology when developing custom designs for OEMs.

Quality Assured

Our systems are accredited to ISO 9001, ISO 14001 and ISO/IATF 16949. Our commitment to the quality of our design and manufacturing is the foundation of our business, ensuring the reliability of our products from initial design to final dispatch.

Why Choose Us?

We believe in developing technology-based solutions in partnership with our customers - many of our products are

custom-built for specific applications. We strive for the best solutions, from design and manufacturing to prompt, on-time delivery - with operational excellence and a world-class service.

- Extensive Experience - diverse applications knowledge over a breadth of industries
- Innovative Products - customer packaged technologies for mission-critical needs
- Reliable Partner - customer focused with a strong reputation for quality and reliability
- Global Support - sales support and distribution network in over 45 countries
- Financial Strength - supported by a \$2.2 billion NYSE listed corporation

产品系列

Product Families



人机界面控制台

- 手柄和旋转油门控制器
- 多功能操作控制台
- 轮椅移动控制器
- 立式井架车辆控制器

HMI Consoles

- Lever and Rotary Hand Controls
- Multi-Function Operator Consoles
- Wheelchair Mobility Controls
- Vertical Mast Vehicle Controller



变速箱换挡器

- 变速箱换挡器控制系统
- 仪表盘安装式机械/电子式换挡器
- 线控式机械/电子式换挡器和控制器
- 按钮和手柄换挡器

Transmission Shifters

- Transmission Shift Control Systems
- Dash-Mounted Electro-Mechanical Shifters
- Electro-Mechanical Shift-By-Wire Actuators and Controllers
- Pushbutton and Lever Shift Controls



操纵杆

- 指尖型翘板式操纵器
- 桨式操纵杆
- 手指型操纵杆
- 中型尺寸操纵杆
- 单轴操纵杆
- 多轴操纵杆
- 摩擦力自锁操纵杆
- 坚固、耐久性的操纵杆和手柄
- 单轴和双轴液压杠杆操纵杆

Joystick Controls

- Fingertip Rockers
- Paddle Joysticks
- Fingertip Joysticks
- Mid-Sized Joysticks
- Single-Axis Joysticks
- Multi-Axis Joysticks
- Friction Lock Joysticks
- Rugged Joysticks and Handgrips
- Single- and Dual-Axis Hydraulic Levers





电源管理

- 交/直流电机控制器
- 多功能（适用于不同种类型的电机）电机控制器
- 配电/电源分配模块
- 牵引逆变器/主驱逆变器
- 电源转换器
- (12/24V)低压分配器

Power Management

- AC and DC Motor Controllers
- Multi-Functional Integrated Motor Controllers
- Power Distribution Modules
- Traction Inverters
- Power Converters
- Auxiliary Power Modules



电子节气门控制

- 地板式安装踏板
- 悬挂式踏板
- 可调踏板单元
- 拇指节气门控制单元（器）
- 旋转式手油门
- 手柄控制

Electronic Throttle Controls

- Floor-Mounted Pedals
- Suspended Pedals
- Adjustable Pedal Units
- Thumb-Throttle Units
- Rotary Hand Controls
- Lever Hand Controls



位置传感器

- 线性 and 旋转电位计
- 线性 and 旋转霍尔传感器
- 感应式、LVDT和LVIT线性传感器
- 缸内线性位移传感器
- 绕线阀线性传感器
- 倾斜传感器

Position Sensors

- Linear and Rotary Potentiometers
- Linear and Rotary Hall-Effect Sensors
- Inductive, LVDT and LVIT Linear Sensors
- In-Cylinder Linear Sensors
- Spool Valve Linear Sensors
- Tilt Sensors





我们致力于

We strive for
the best solutions,

电磁执行器和电磁阀

- C和D型螺线管
- 管状螺线管
- AC叠片式螺线管
- 自吸并保持式螺线管
- Shot-Bolts衔铁型螺线管
- 电磁阀
- 保持磁铁

Solenoid Actuators and Solenoid Valves

- C and D Frame Solenoids
- Tubular Solenoids
- AC Laminated Solenoids
- Flapper and Latching Solenoids
- Shot-Bolts and Locking Solenoids
- Solenoid Valves
- Holding Magnets

从创新设计中使用
先进的技术和可
信赖的制造给我们的
客户提供最好的
解决方案和引人注
目的价值。

*from innovative design using
advanced technologies and
reliable manufacturing – delivering
compelling value to our
customers.*



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Partners Worldwide: For a listing of our global sales network, visit our website at www.cw-industrial.com

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