

XG-606

XG XINGON
SINCE 1996

Highly durable and offering superior strength Combining a host of added features and benefits the professional range features heavy duty aluminum construction and is super strong load-bearing capacity.

XINGON customized, can be customized according to actual needs, the following parameters are for reference only,

do not represent the actual product, specific parameters according to the design drawing

01 /Picture





● 轻量化与高强度结合

材料科学突破: 采用航空级7系铝合金, 抗拉强度 $\geq 572\text{MPa}$, 承重能力高达 5000kg/m^2 。

运输成本优化: 重量仅为钢材的1/3, 运输能耗降低, 节省人工成本。

Material science breakthrough: Utilizing aerospace-grade 7-series aluminum alloy, with a tensile strength of $\geq 572\text{MPa}$ and a load-bearing capacity as high as 5000kg/m^2 .

Transportation cost optimization: Its weight is only 1/3 of that of steel, reducing transportation energy consumption and saving labor costs.

● 模块化工程学设计

快速搭建系统: 标准化连接件可实现模块快速组装, 支持多种基础构型。

空间适应性: 根据项目与设计需求可任意切换搭建方式

Quick system setup: Standardized connectors enable rapid module assembly and support multiple basic configurations.

Spatial adaptability: The construction method can be switched freely according to the project and design requirements

● 多媒体集成能力与环保与经济

预埋管线系统: 物料内部集成通道, 支持各种线缆以及空调管道等, 外露线缆减少80%以上。

循环利用体系: 单套系统可重复无限循环搭建, 较传统结构降低废弃物排放95%以上。

Embedded pipeline system: The internal integrated channel for materials supports various cables and air conditioning ducts, etc., reducing exposed cables by more than 80%.

Recycling system: A single system can be repeatedly and infinitely recycled for construction, reducing waste emissions by over 95% compared to traditional structures.

● 典型应用场景

1、车展: 多层展厅承载结构以及多功能展台

2、演唱会: 可架设各种光束灯及线阵音响跨距顶棚

3、科技展会: 部署AR透明屏(120寸)的悬浮式交互装置等

1. Auto show: Multi-storey exhibition hall bearing structure and multi-functional exhibition stands

2. Concert: Various beam lights and line array sound systems can be installed on the ceiling with a span

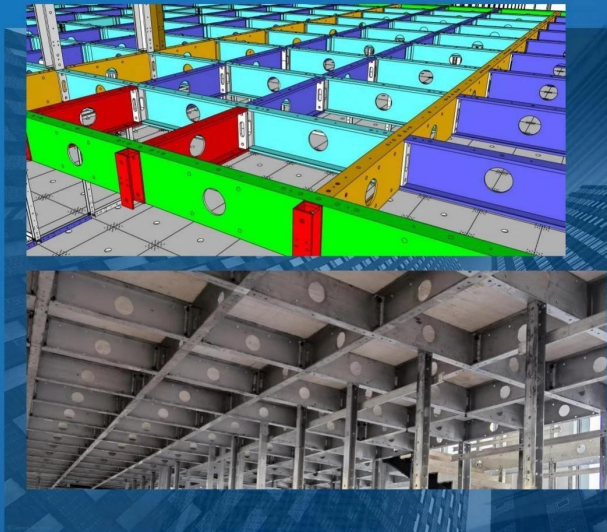
3. Technology Exhibition: Deployment of suspended interactive devices with AR transparent screens (120 inches), etc

产品优势

PRODUCT ADVANTAGES

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一、#280 系统 / 280 System



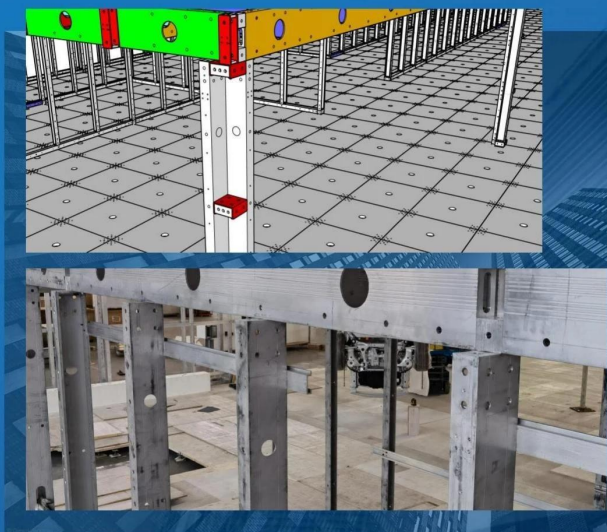
280系统： 楼板平台

采用高强度航空级铝合金型材，通过精密挤压工艺配合焊接与CNC技术制成单标准模块，可承载高达5吨荷载。模块化快速拼装连接系统，实现现场无焊接调平与衔接，同时中空层可隐藏布线（电力/信号线/通风管道等），确保展台表面整洁无裸露线缆。比传统钢制平台减轻60%重量，搭建效率提升3倍，且可重复使用，显著降低车展碳足迹与综合成本。

It is made of high-strength aviation-grade aluminum alloy profiles through precise extrusion processes combined with welding and CNC technology to form a single standard module, which can bear a load of up to 5 tons. The modular quick assembly connection system enables on-site no-welding leveling and connection. Meanwhile, the hollow layer can hide wiring (power/signal lines/ventilation ducts, etc.), ensuring that the surface of the exhibition stand is clean and free of exposed cables. Compared with traditional steel platforms, it reduces the weight by 60%, increases the construction efficiency by three times, and can be reused, significantly reducing the carbon footprint and overall cost of auto shows.

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二、#160 系统 / 160 System



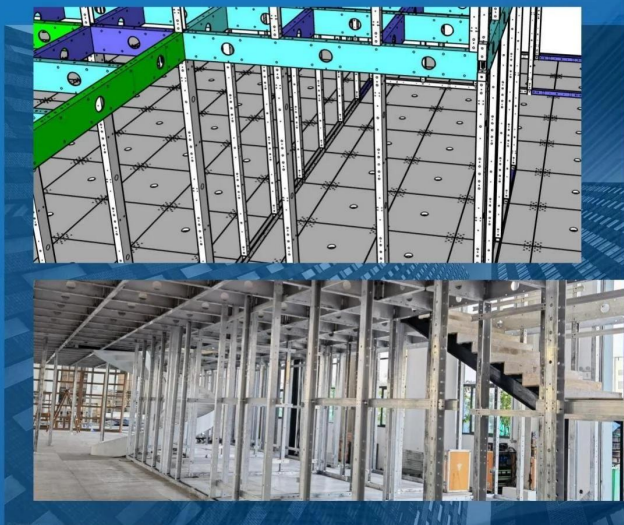
160系统： 外立柱

作为展台主支撑结构，采用高强度航空级铝合金制成，单根立柱宽度达160mm，满足超大型悬挂式展车或双层展台的力学需求。可模块化连接横向支撑梁或平台，内设标准孔位，可根据需求安装挂板系统，美观洁雅。大跨度空间，适配高端车展对空间通透性、结构可靠性与品牌调性的严苛要求。

As the main support structure of the exhibition stand, it is made of high-strength aviation-grade aluminum alloy, with a single column width of up to 160mm, meeting the mechanical requirements of super-large suspended exhibition vehicles or double-layer exhibition stands. The horizontal support beams or platforms can be modularly connected, with standard holes inside. The hanging plate system can be installed as needed, which is beautiful and elegant. The large-span space is well-suited to the strict requirements of high-end auto shows for spatial transparency, structural reliability and brand tone.

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三、#80 系统 / 80 System



80系统：中立柱

作为展台辅助支撑结构，采用高强度航空级铝合金制成，单根立柱宽度达80mm，兼具轻量化与高刚性，支持多立柱阵列排布，构建规则化网格空间。可模块化连接横向支撑梁或平台，内设标准孔位，可根据需求安装挂板系统。可优化展台空间整洁度与搭建效率，平衡成本、性能与美观的中小型车展核心支撑解决方案。

As an auxiliary support structure for the exhibition stand, it is made of high-strength aviation-grade aluminum alloy. The width of each single column reaches 80mm, combining lightweight and high rigidity. It supports multi-column array arrangement to create a regular grid space. The horizontal support beams or platforms can be modularly connected, with standard holes inside. The hanging plate system can be installed as needed. A core support solution for small and medium-sized auto shows that can optimize the tidiness of exhibition booth space and construction efficiency, and balance cost, performance and aesthetics.

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四、#挂板系统 / Hanging board system



挂板扣件与效果 / Hanging board fasteners and their effects

挂板系统

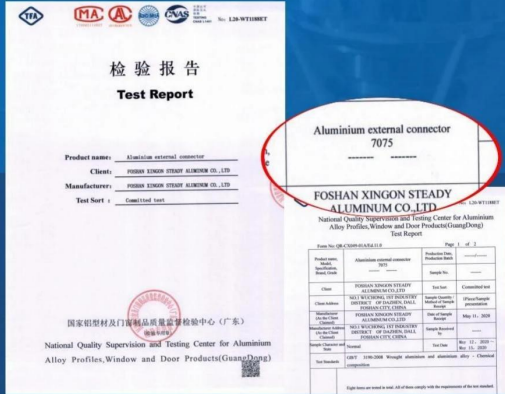
采用背面隐藏式双层挂钩设计，实现展板无工具快速拼装，平整度误差可低于1mm，确保墙面无缝衔接。系统支持无数次拆装重复使用，大幅降低搭建耗时与维护成本，赋予展台灵活多变的视觉叙事能力。

It adopts a hidden double-layer hook design on the back, enabling the display boards to be assembled quickly without tools. The flatness error can be less than 1mm, ensuring seamless connection to the wall surface. The system supports countless disassembly and reassembly for repeated use, significantly reducing the construction time and maintenance costs, and endowing the exhibition stand with flexible and diverse visual narrative capabilities.

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材质报告证书

Material Report Certificate



航空级7系铝合金：外节点
Aviation-grade 7-series aluminum: outer connection



航空级7系铝合金：内节点
Aviation-grade 7-series aluminum: inner connection



承重报告证书

Load-bearing report certificate



铝料系统 - 拉伸测试
Aluminum material system - Tensile test



铝料系统 - 应力测试
Aluminum material system - Stress test



生产过程简单介绍

A brief introduction to the production process



CNC 精密加工

CNC precision



焊接主体

Welding main body



打磨细节与质量检测

Polishing details & quality inspection

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部分产品现场案例展示

CASE DISPLAY
OF SOME PRODUCTS

兴光展架系统已成功应用于多地车展，展现了卓越的实用性。粗壮的外立柱撑起通透的双层展台，中立柱与楼板平台无缝拼接，托起车辆的同时隐藏线缆，呈现极简美学空间。模块化设计让展台在短时间内灵活变换形态，铝合金的轻便与耐用贯穿全程，赋予每场展览独特的科技艺术张力。

The XINGON display stand system has been successfully applied in many auto shows, demonstrating outstanding practicality. The thick outer columns support the transparent double-layer exhibition stand, while the middle columns are seamlessly integrated with the floor platform, supporting vehicles while concealing cables, presenting a minimalist aesthetic space. The modular design enables the exhibition stand to flexibly change its form within a short period of time. The lightness and durability of aluminum alloy run through the entire process, endowing each exhibition with a unique technological and artistic tension.



雷克萨斯展厅
Lexus showroom



路虎展厅
Land Rover Showroom



一汽大众展厅
Faw-volkswagen showroom



保时捷展厅
Porsche Showroom



领克展厅
Lynk & Co Showroom



搭建现场
Build the site

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02 /About XINGON

XINGON was founded in **1996**, with nearly **30** years of production experience, we have become a leading enterprise in the field of safety climbing products.

Our main products include Aluminum profiles, Aluminum ladders, Fiberglass ladders, Aluminum scaffolding, Custom aluminum products, Custom machinery, and more.

We produce our own raw materials and accessories providing customers with cost-effective and high-quality products.

30 YEARS OF PRODUCTION EXPERIENCE

45+ PRODUCT PATENTS

500 COOPERATE WITH FORTUNE 500 COMPANIES

38000m² SQUARE METERS OF STANDARD PRODUCTION BASE

The company's products are internationally certified and before leaving the factory, the company's professional quality inspection can be delivered



DISPLAY OF SOME PARTNERS AND ENGINEERING CASES



- Small order is accepted
- Quickly response and prompt delivery
- High quality with **ANSI/AS-NZS/CE/EN131□1004□14183/GB17889** certificate
- Offer **OEM/ODM** service
- Process raw material in-house to reduce costs
- Process all raw material in house which ensure high quality, prompt delivery and competitive prices.
- All productions pass standards tested by SGS, with 91% repeated order rate.
- To benefit from our productions and service, please kindly contact us today.

FAQ

1. Are you a factory or trading company□

We are a manufacture major in aluminum and fiberglass ladders/profile

2. Do you have any certifications□

Yes□our products have successfully passed EN/ANSI test

3. How can I get samples□

Please contact us by Email□sales@xgladders.com□ and tell us your requirements

4. Whats is the MOQ□

No matter how many quantity□we will seriously treat every customer

5. Do you provide OEM/ODM service□

Yes□we do. All most all of our products are made according to our clients' designs. We offer OEM/ODM service for 21 years

6. Where is your factory located□

We are located in Guangdong Foshan□kindly visit us if possible

Foshan XINGON Steady Aluminum Co., Ltd

Foshan XINGON Ladders Factory

Guangdong XINGON Technology Co., Ltd

Guangdong XINGON YONGWIN Technology Co., Ltd

HongKong WAHHING International Limited

XINGON Industrial Group (Singapore) Co., Ltd