



有色金属挤压设备
可靠供应商

A Reliable Supplier for Non-ferrous
Metal Extrusion Equipment



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Excellence in Extrusion

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关于源昌

About Yuanchang

01



愿景 Vision

源昌机械以优质的产品和完善的售后服务赢得了广大客户的信任和支持。公司一直秉承着专业化、精细化、特色化的理念，强化创新，苦练内功，致力于成为中国一流的有色金属型材挤压机生产企业。

Yuanchang has won the trust and support of our valued customers through high-quality products and comprehensive after-sales service. We have always adhered to the principles of professionalism, precision, and uniqueness, while emphasizing innovation and continuous improvement. Our goal is to become a leading manufacturer of non-ferrous metal extrusion machines in China.

使命 Mission

源昌致力于通过深化技术革新、装备智能化，为全球有色金属型材挤压行业提供可靠稳定、高经济价值的产品和服务，帮助这一行业适应不断变化的需求。我们将不懈努力，旨在成为世界知名的挤压设备制造商，始终秉承诚信、创新和高效的经营理念，不断创造价值，促进全球有色金属型材挤压行业的可持续发展。

Yuanchang is dedicated to deepening technological innovation and equipment intelligence to provide reliable, stable, and highly economical products and services to the global non-ferrous metal extrusion industry. We aim to help this industry adapt to ever-changing demands. Our unwavering efforts are aimed at becoming a globally renowned manufacturer of extrusion equipment. We always adhere to the principles of integrity, innovation, and efficiency, continuously creating value, and promoting the sustainable development of the global non-ferrous metal extrusion industry.

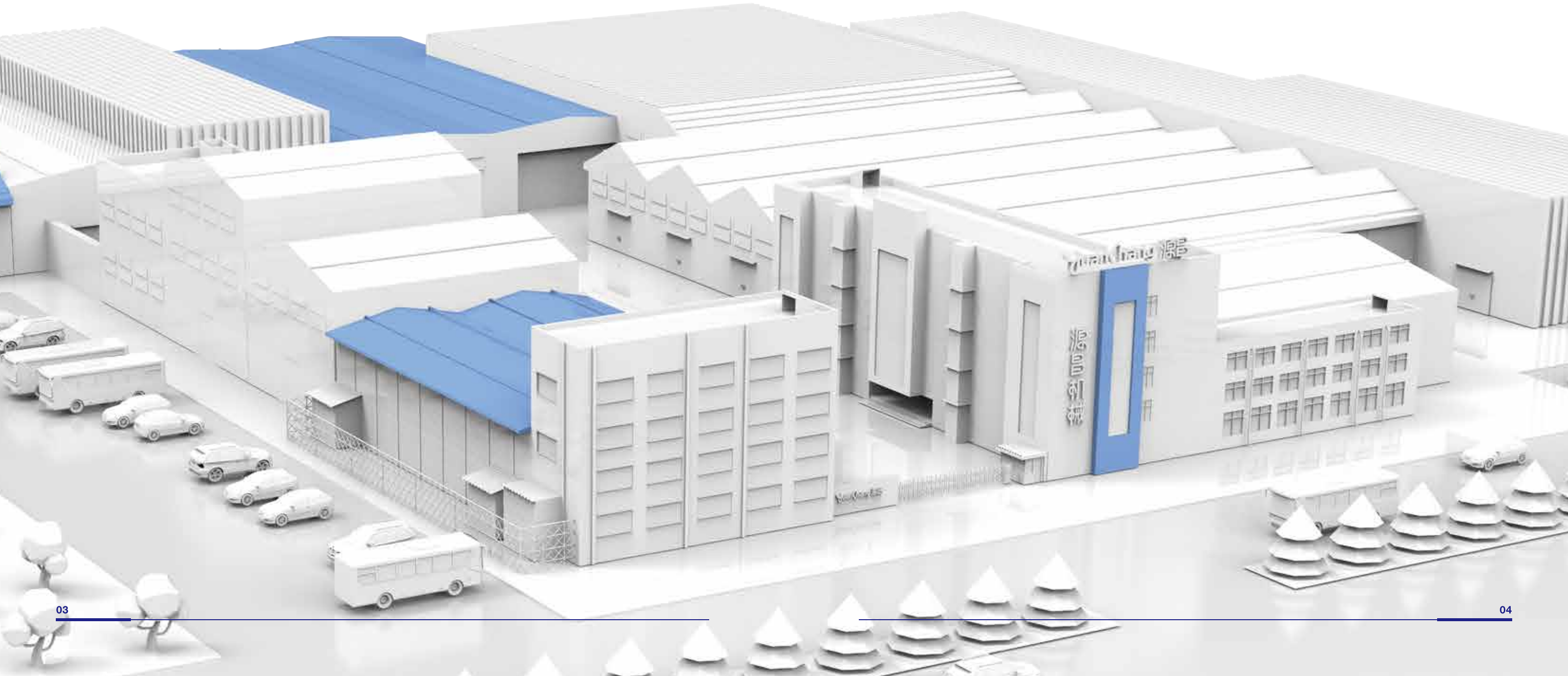
公司介绍

Company Profile

无锡市源昌机械制造有限公司，是一家专业从事有色金属型材挤压机成套设备制造的企业。公司拥有多年的制造经验和技術积累，致力于为全球有色金属型材挤压行业提供高品质、可靠的挤压设备和方案。

Wuxi Yuanchang Machinery Co., Ltd. is a professional enterprise specializing in the manufacturing of complete sets of equipment for non-ferrous metal extrusion machines. With years of manufacturing experience and technological accumulation, our company is committed to providing high-quality and reliable extrusion equipment and solutions for the global non-ferrous metal extrusion industry.

源 昌 創
自 于 非
德 勤 凡



荣誉证书

Honorary Certificate



质量保证系统

Quality Assurance System



源昌一直坚持以质量为中心的经营理念，建立了完善的质量保证体系，确保产品在研发、设计、生产和服务环节的全面质量控制。我们始终秉持“以客户需求为导向，不断提升产品质量与服务水平”的质量方针，通过ISO9001国际质量管理体系认证，并在实践中根据软硬件要求和客户反馈进行不断优化。

Yuanchang has always adhered to a quality-centric business philosophy and established a comprehensive quality assurance system. This system ensures the overall quality control of our products throughout the stages of research, design, production, and service. We consistently uphold the quality policy of "customer-oriented, continuous improvement of product quality and service levels." We have obtained ISO 9001 international quality management system certification and continuously optimize our practices based on software and hardware requirements as well as customer feedback.



装配车间 Assembly Workshop

源昌的装配车间是一个现代化、高效率的生产制造基地。我们拥有先进的组装设备和辅助设备，对组装环节实施全面的标准化工艺，以提高生产效率和产品质量。

Yuanchang's assembly workshop is a modern and highly efficient manufacturing base. We possess advanced assembly equipment and auxiliary facilities and implement comprehensive standardized processes in the assembly process to enhance production efficiency and product quality.



核心竞争力

Core Competitiveness

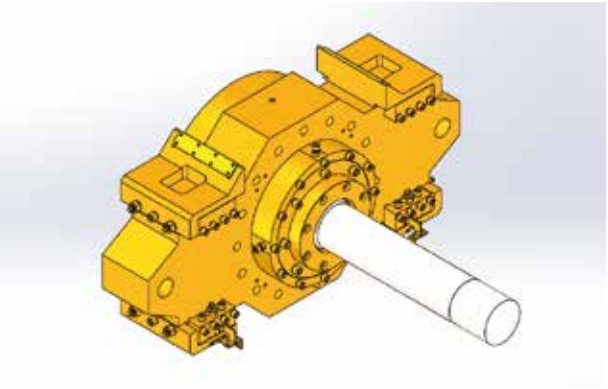
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研发体系
R&D System

源昌拥有领先的设计研发体系，始终专注于有色金属挤压设备的创新与制造。公司成立之初即设立了挤压设备研发中心，拥有一批经验丰富、高素质的设计师和工程师团队，具备全面的研发能力和技术优势。

公司建立了完善的研发流程和管理机制，覆盖从产品定义到原型开发、测试验证、产品量产等全过程，以快速响应市场需求、不断推动技术更新和提升产品附加值。



The company has a leading design and development system, always focusing on the innovation and manufacturing of non-ferrous metal extrusion equipment. At the beginning of its establishment, the company set up an extrusion equipment R&D center, with a group of experienced and high-quality designers and engineers, with comprehensive R&D capabilities and technical advantages.

The company has established a sound R&D process and management mechanism, covering the whole process from product definition to prototype development, test verification, product mass production, etc., in order to quickly respond to market demand, continuously promote technology updates and enhance product added value.



核心零部件全工序自制
In-house Production of Core Components

核心零部件全工序自制可以提高企业的技术能力、质量控制能力和市场竞争能力，同时也能减少生产成本和提高生产效率。

The complete in-house production of core components throughout the manufacturing process can enhance a company's technical capabilities, quality control capabilities, and market competitiveness. It also helps in reducing production costs and improving production efficiency.

零部件由企业自行生产，可以控制每个生产环节，并能及时调整生产过程，确保产品的质量稳定可靠。

When components are produced in-house, companies have greater control over each production stage and can make timely adjustments to the manufacturing process. This allows them to ensure the stable and reliable quality of their products.

稳定品质
Stable Quality



生产灵活性
Production Flexibility



降低成本
Cost Reduction



提高生产率
Producing Efficiency Improvement



掌握自主知识产权

零部件全工序自制可以使企业通过持续的技术研发和积累，逐渐形成自主的核心技术和知识产权，并更好地应对市场竞争。

Property Rights

By fully producing components in-house throughout the manufacturing process, companies can gradually develop independent core technologies and intellectual property through continuous research and development efforts and accumulation. This allows them to better respond to market competition.

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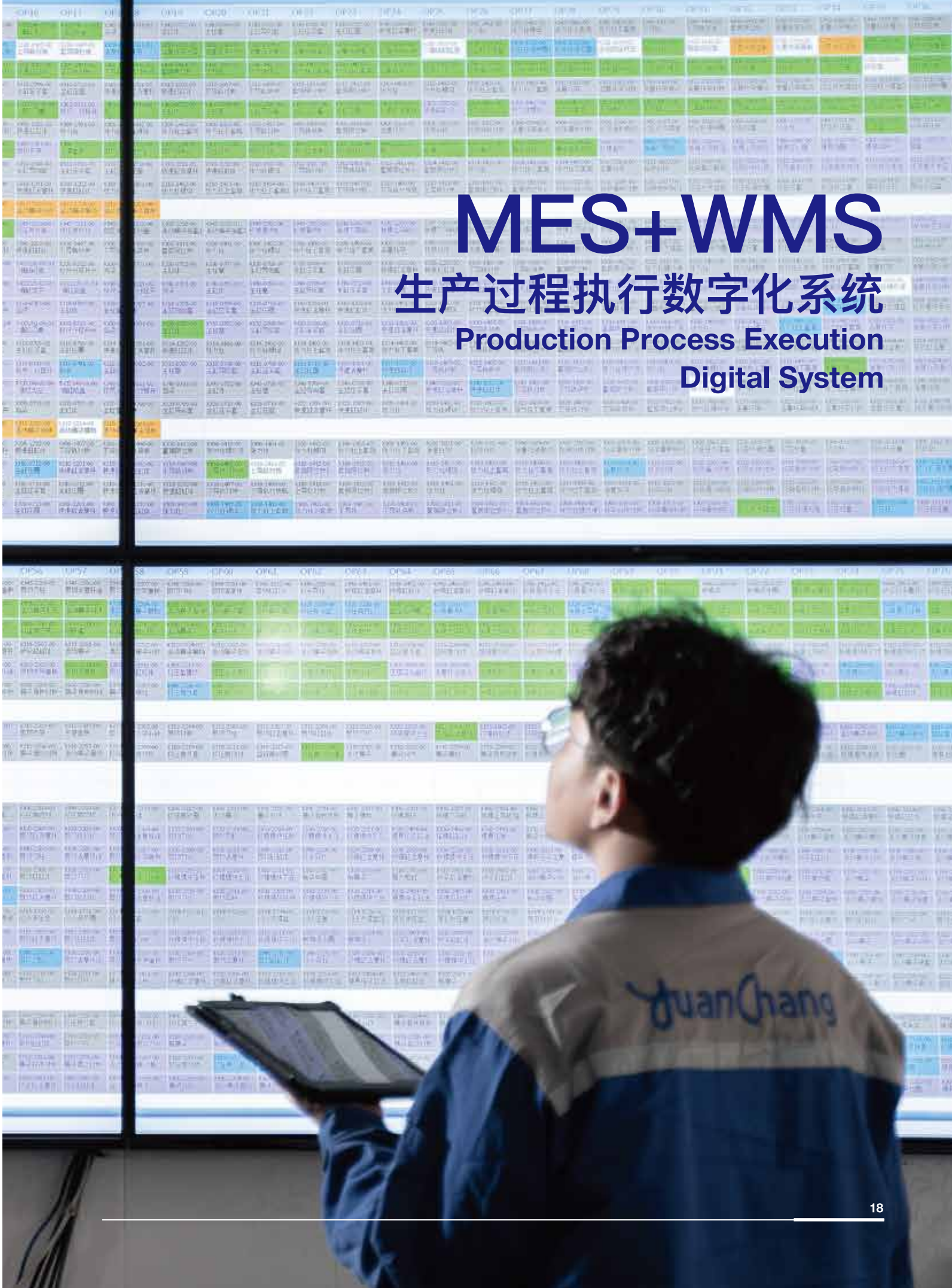
实用专利/项
Utility patents / Item

86+

发明专利/项
Nvention Patents / Item

165+

专利/项
Patents / Item



MES+WMS
生产过程执行数字化系统
Production Process Execution
Digital System

MES+WMS生产过程执行数字化系统可以高效管理物流流程，提供全面的产品质量监控、实现库存零误差、支持数据化决策及生产运营效率优化等，不断完善技术和制度实践，以达到企业高效率发展。

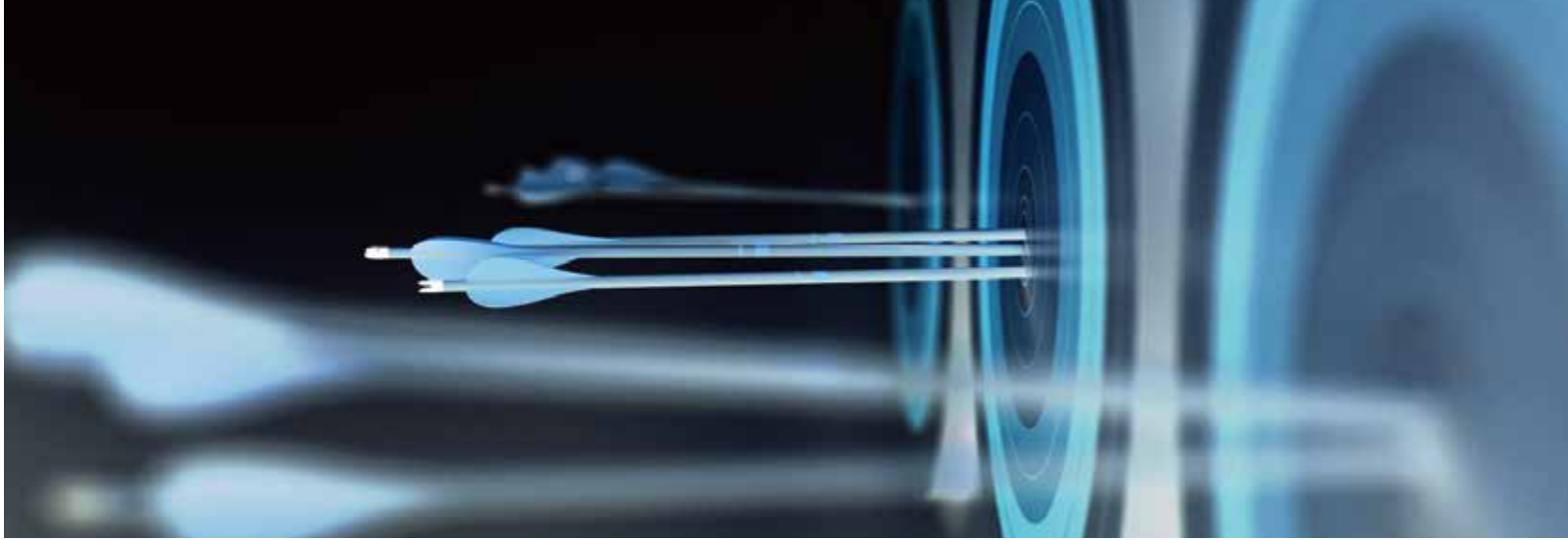
The MES (Manufacturing Execution System) and WMS (Warehouse Management System) digitalize the production process, enabling efficient management of logistics flow. They provide comprehensive product quality monitoring, achieve zero inventory errors, support data-driven decision making, and optimize production and operational efficiency. Through continuous improvement of technology and institutional practices, these systems contribute to the efficient development of enterprises.



提高生产运作效率
Improve Production Operation Efficiency



更好的产品质量管理
Better Product Quality Management



优化物流管理
Optimize Logistics Management



实现库存零误差
Zero Error in Inventory



数据化决策支持
Data-based Decision Support





数控车间 CNC Workshop

CNC

源昌的CNC(数控)车间是一个高品质、高效率、高自动化的生产制造基地。我们拥有最先进的数控设备和辅助设备，配备先进机床、通用金属加工中心等高端技术装备，并应用物流管理系统和精密测量仪器等先进科技手段，实现了全自动化、信息化生产管理和质量控制。

Yuanchang's CNC workshop is a high-quality, high-efficiency, and highly automated production manufacturing base. We have modern CNC equipment and auxiliary devices, equipped with advanced machine tools, universal metal processing centers, and other high-end technical equipment. We also utilize advanced technologies such as logistics management systems and precision measuring instruments to achieve fully automated and digitized production management and quality control.

挤压机 解决方案

Solutions for Extrusion Presses

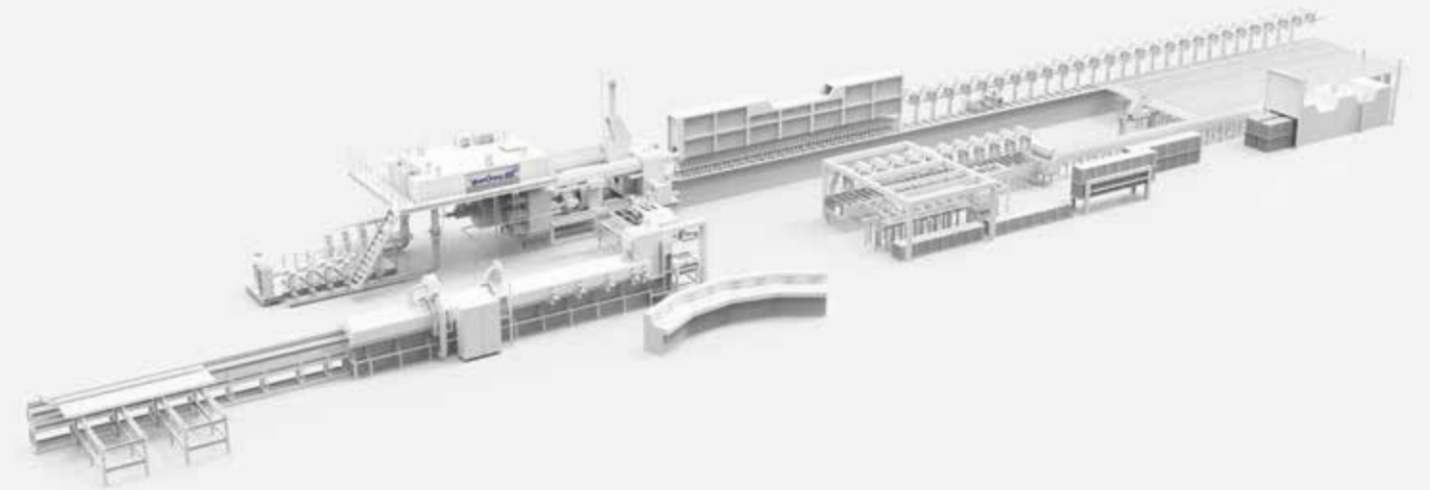
03

我们专注制造有色金属挤压设备，涉足铝、铜、镁、银等有色金属加工行业。至今已研发出从630吨到7500吨、三大系列30多个规格的产品设备。

源昌各系列挤压机适用于铝合金的挤压加工，其设备可用于生产挤出各种建筑、轨道交通、汽车零部件、航空等各类型材。

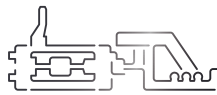
We specialize in manufacturing non-ferrous metal extrusion equipment and are involved in the processing industry of aluminum, copper, magnesium, silver, and other non-ferrous metals. So far, we have developed over 30 different specifications of products and equipment in three major series, ranging from 630 tons to 7500 tons.

Our various series of extrusion machines are suitable for aluminum alloy extrusion processing. The equipment can be used to produce various profiles for construction, rail transit, automotive parts, aerospace, and other fields.

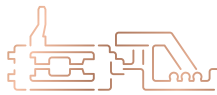


有色金属型材挤压机

Non-ferrous Metal Profile Extrusion Press



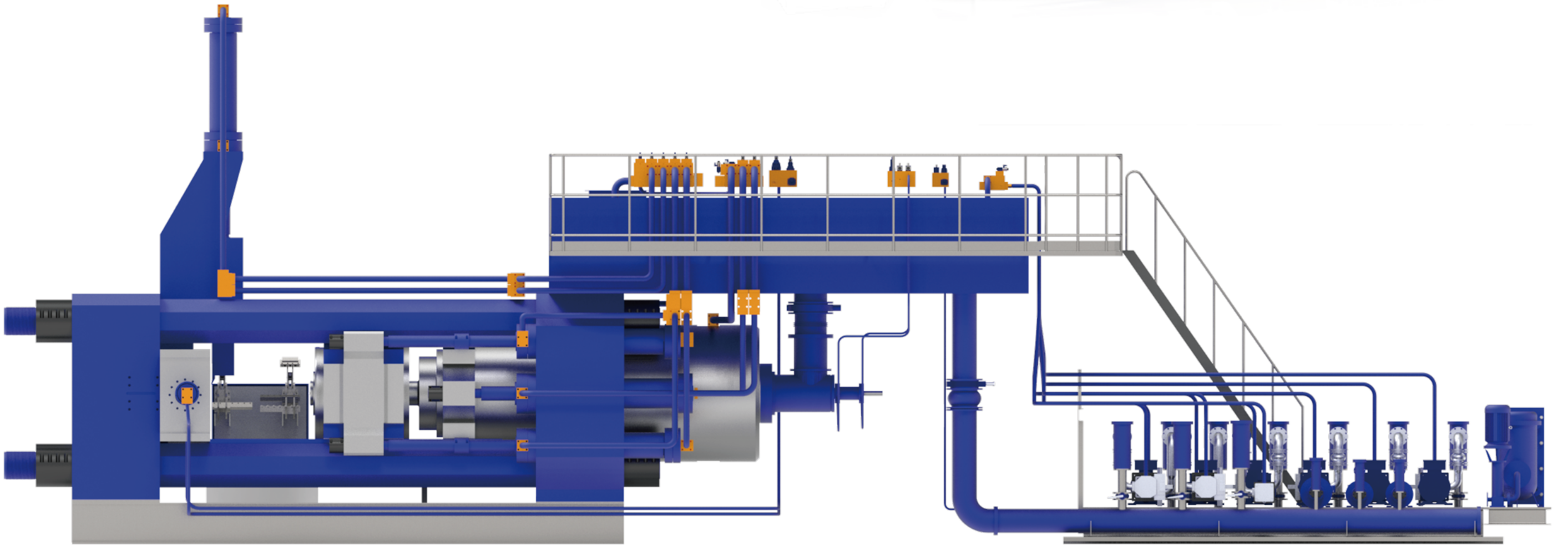
铝合金生产设备
Aluminum Alloy Production
Equipment



铜合金生产设备
Copper Alloy Production
Equipment



镁及其他合金生产设备
Magnesium and Other Alloy Production
Equipment





我们有色金属挤压机的典型应用在：建筑、轨道交通、汽车和航空航天等事业的合金型材和管材的生产。

我们的各类型挤压机具备经久耐用的层压横拉杆设计，高精度的导向系统，先进且节能的液压设计以及独具一格的过程控制软件使源昌成为挤出领域的专家。

Our non-ferrous metal extrusion machines find typical applications in the production of alloy profiles and tubes for industries such as construction, rail transportation, automotive, and aerospace.

Our various types of extrusion machines are equipped with durable laminated tie rod designs, high-precision guiding systems, advanced and energy-efficient hydraulic designs, and unique process control software, making Yuanchang an expert in the field of extrusion.



2200UST 有色金属挤压机
2200UST Non-ferrous Metal Profile
Extrusion Press



3300UST 有色金属挤压机
3300UST Non-ferrous Metal Profile
Extrusion Press



4000UST 有色金属挤压机
4000UST Non-ferrous Metal Profile
Extrusion Press



4500UST 有色金属挤压机
4500UST Non-ferrous Metal Profile
Extrusion Press



5000UST有色金属挤压机
5000UST Non-ferrous Metal Profile
Extrusion Press



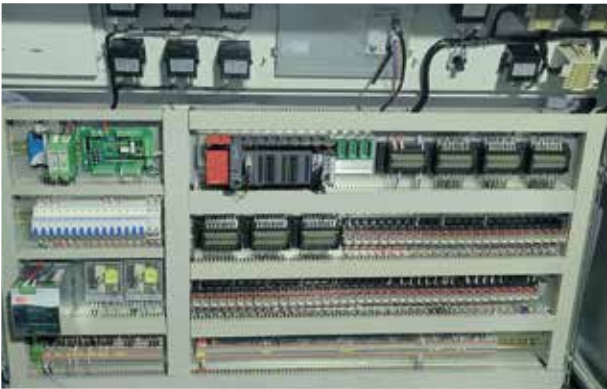
6000UST 有色金属挤压机
6000UST Non-ferrous Metal Profile
Extrusion Press

电气控制系统

Electrical Control System

我们的电气控制系统使用国际顶级电气元件，支持恒速和变速控制，实时监控和设定主要参数，具备故障报警和自我诊断功能，并拥有多种保护功能，确保操作人员和设备的安全。此外，我们的系统支持工业4.0平台接口标准，提高生产效率和客 户服务质量。

Our electrical control system utilizes top-tier international electrical components and supports both constant speed and variable speed control. It allows real-time monitoring and adjustment of key parameters, includes fault alarm and self-diagnostic functions, and incorporates various protective features to ensure the safety of operators and equipment. In addition, our system supports the Industrial 4.0 platform standards, which enhances production efficiency and improves the quality of customer service.



液压系统

Hydraulic System

基于我们数十年来对有色金属挤压工艺的深刻理解，我们持续推动液压系统的结构革新与制造优化。我们在液压系统的设计理念与装配工艺上不断升级，力求实现管路更清晰、布局更精准，在结构稳固性与系统整洁度方面迈上全新台阶。

Based on our decades of profound understanding of non-ferrous metal extrusion processes, we continuously promote structural innovation and manufacturing optimization of hydraulic systems. We are constantly upgrading the design concepts and assembly techniques of hydraulic systems, striving to achieve clearer pipelines and more precise layouts, and to reach a new level in terms of structural stability and system tidiness.



产品细节图

Product Details



管路

管路系统选用高强度镀锌钢管，采用无焊接连接技术，全面提升密封性与耐压等级，避免传统焊接带来的泄露与应力集中问题。

Pipeline System

The pipeline system selects high-strength galvanized steel pipes and adopts weldless connection technology to comprehensively improve sealing performance and pressure resistance levels, avoiding leakage and stress concentration issues caused by traditional welding.



伺服节能型液压系统

由伺服电机代替普通电机来驱动油泵，由于伺服电机响应快、转速稳、起停控制方便，促使铝型材挤压机产能更高，耗能更低，一般可节能 20%~30%。

Servo Energy-saving Hydraulic System

The servo motor is used instead of a conventional motor to drive the oil pump. Due to the fast response, stable speed, and convenient start-stop control of the servo motor, it enables higher production capacity and lower energy consumption for aluminum extrusion machines. Typically, it can achieve energy savings of 20%-30%.



预应力框式结构

对整体框架用液压专用工具进行预应力，从而提高挤压机框架件的刚性。

Pre-stress Framework

Hydraulic specialized tools are used to apply pre-stress to the overall framework, thereby improving the rigidity of the extrusion machine's frame components.



液压油箱顶部总成

核心控制模块采用进口电磁阀与比例阀组件，响应速度快、控制精度高，稳定适配多轴同步与复杂动作控制需求

Hydraulic Oil Tank Top Assembly

The core control module adopts imported solenoid valves and proportional valve components, featuring fast response speed and high control precision, which stably adapts to the control requirements of multi-axis synchronization and complex motion.



压余剪切机构

剪切刀柱采用 X 型导轨结构导向更好，压余剪切端面平整。

Residual Shearing Mechanism

The X-type guide rail structure is adopted for the shear cutter column to guide better, and the end face of the residual shear is flat.

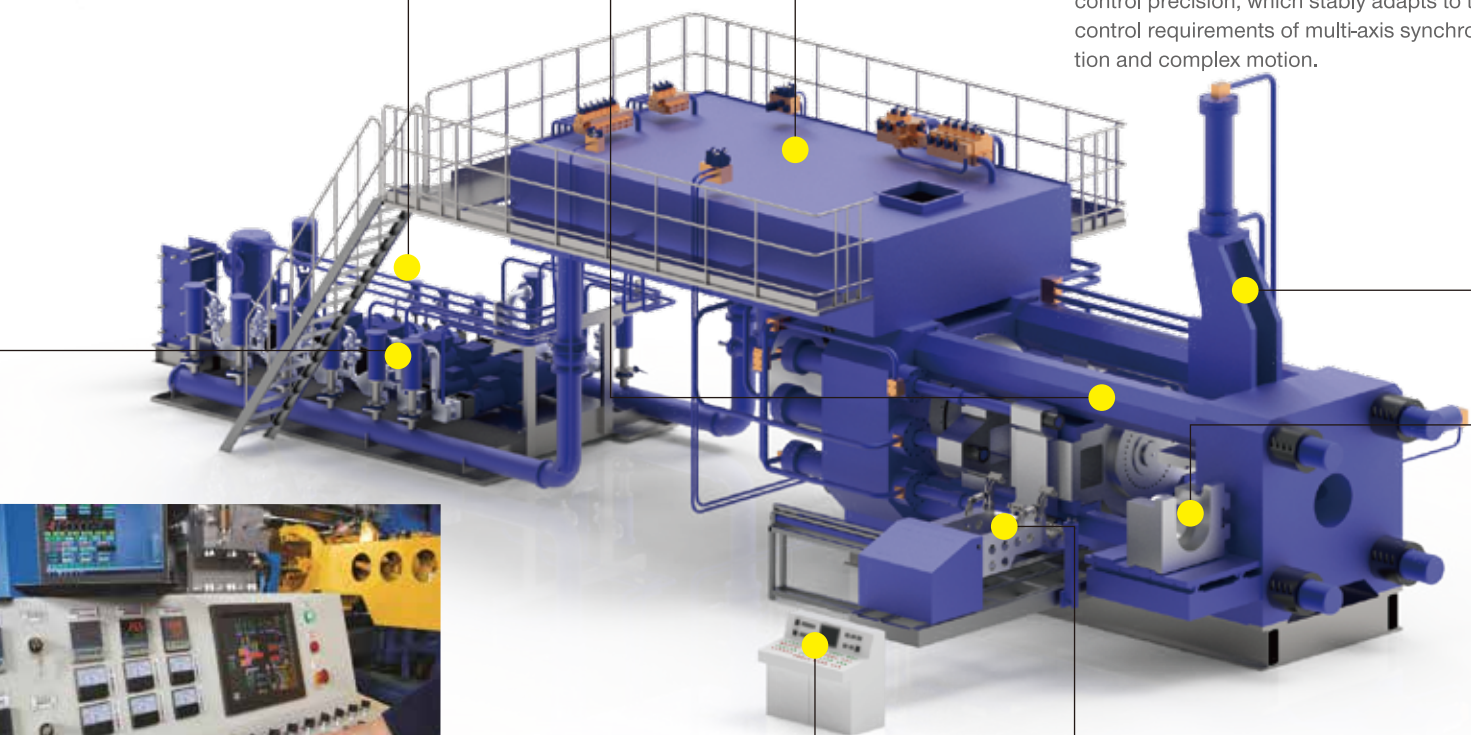


快速换模机构

用于快速更换模具功能，减少不必要的挤压等待时间。

Quick Die-Change Mechanism

Enables rapid mold replacement to minimize non-productive extrusion downtime.



电气控制系统

有挤压速度、位移、压力、挤压筒温度、油温报警等参数的设定及输入点和输出点的检查和监控显示。

Electric Control System

It includes the setting and monitoring display of parameters such as extrusion speed, displacement, pressure, extrusion container temperature, oil temperature alarm, and the inspection and monitoring of input and output points.



直线式送料小车

由伺服电机驱动送料小车前进和后退，把铝棒从装料位置水平地送到挤压位置。

Linear Billet Loader

Driven by a servo motor, the billet loader moves forward and backward to horizontally transport billets from the loading position to the extrusion position.

业绩

Performance

04

客户展示

Customers Display

我们与广泛的客户合作，推动有色金属型材挤压技术的发展和产业整体水平的提升。我们秉承诚信、开拓和创新的经营理念，为客户提供高品质和个性化服务，与客户建立长期合作和信任，不断扩展业务领域并推动技术创新和应用。

We collaborate with a wide range of customers to promote the development of non-ferrous metal extrusion technology and enhance the overall industry level. We adhere to the principles of integrity, exploration, and innovation in our business operations. Our goal is to provide customers with high-quality and personalized services, establish long-term cooperation and trust, expand our business horizons, and drive technological innovation and application.



全球表现

Global Performance

无论何地您需要我们，我们都在您身边。我们的外贸部门正在进一步开发其他国际空白市场。

No matter where you are, we are by your side. Our foreign trade department is actively expanding into other international untapped markets.



办公室 & 工厂
Office & Plant



产品规格型号表

List of Product Types

型号 Model	额定压力 Rated Pressure	铝棒规格 Billet Size	铝棒长度 Billet Length	总功率 Total Power	外形尺寸 L×W×H
XJ-630(690UST)	21MPa	Φ80-Φ100	500mm	120kW	8.0×3.2×2.8mm
XJ-800(880UST)	21MPa	Φ100-Φ130	550mm	250kW	11.0×3.5×3.2m
XJ-1000(1100UST)	21MPa	Φ110-Φ140	600mm	250kW	11.5×3.8×3.4m
XJ-1350(1500UST)	25MPa	Φ120-Φ152	750mm	400kW	12.5×4.2×3.8m
XJ-1500(1650UST)	25MPa	Φ127-Φ152	850mm	400kW	13.5×4.2×3.8m
XJ-1800(2000UST)	28MPa	Φ152-Φ203	950mm	600kW	15.5×6.0×4.2m
XJ-2000(2200UST)	28MPa	Φ178-Φ228	1000mm	600kW	16.0×6.5×4.5m
XJ-2200(2400UST)	28MPa	Φ178-Φ228	1050mm	750kW	16.5×6.5×4.5m
XJ-2500(2750UST)	28MPa	Φ203-Φ254	1050mm	750kW	18.0×7.5×5.5m
XJ-2750(3000UST)	28MPa	Φ203-Φ254	1100mm	850kW	18.0×7.5×5.5m
XJ-3000(3300UST)	28MPa	Φ228-Φ280	1150mm	1000kW	19.0×8.0×6.0m
XJ-3600(4000UST)	28MPa	Φ254-Φ330	1200mm	1100kW	20.0×9.0×6.5m
XJ-4000(4400UST)	28MPa	Φ280-Φ330	1300mm	1100kW	20.0×9.0×6.5m
XJ-4500(5000UST)	28MPa	Φ280-Φ355	1300mm	1300kW	21.5×10.0×7.0m
XJ-5500(6000UST)	28MPa	Φ305-Φ406	1500mm	1500kW	23.0×11.0×7.5m
XJ-6500(7000UST)	28MPa	Φ330-Φ432	1600mm	1650kW	24.0×12.0×8.0m
XJ-7500(8200UST)	28MPa	Φ355-Φ457	1700mm	1800kW	25.0×14.0×8.5m

注：以上表格仅为铝合金生产设备的规格型号。
Note: The above table is only the specifications and models of aluminum alloy production equipment.



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