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豪威电气集团

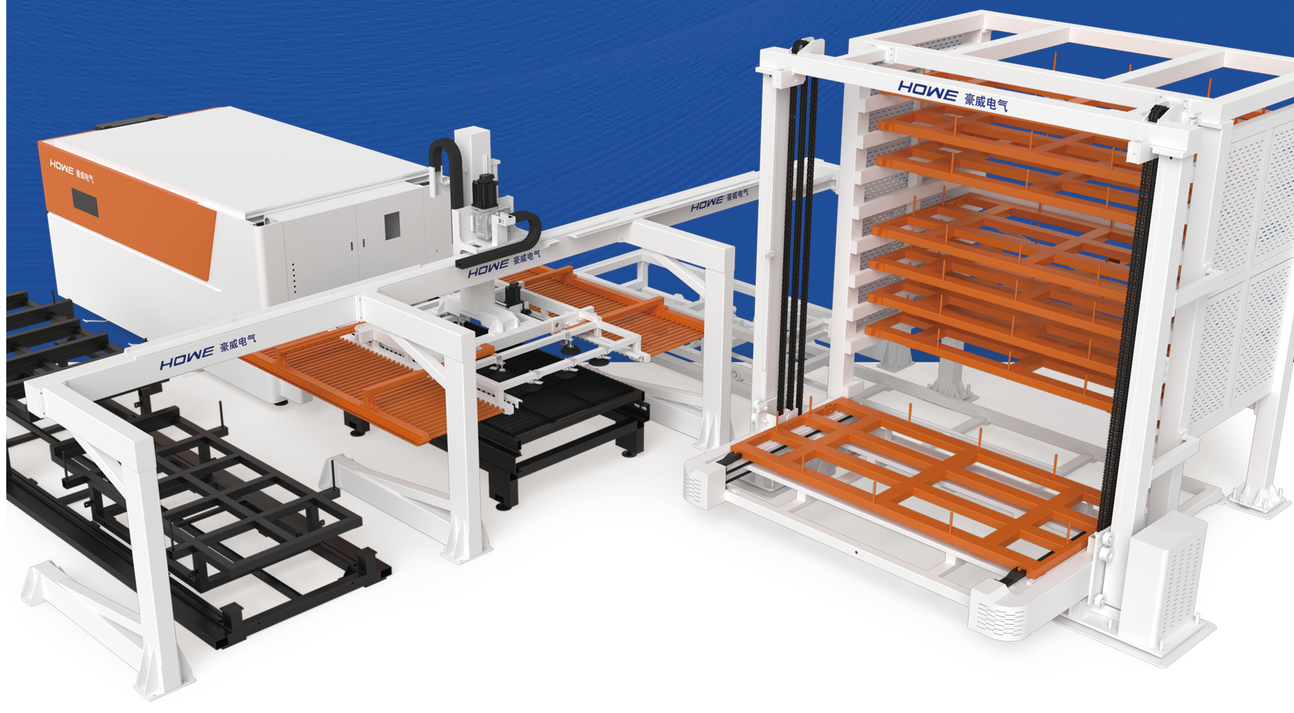
HEBEI HOWE ELECTRICAL EQUIPMENT TECHNOLOGY CO.. LTD.

专注高端制造

FOCUS ON HIGH-END MANUFACTURING

打造智能激光装备全流程解决方案

CREATING A COMPLETE SOLUTION FOR INTELLIGENT LASER EQUIPMENT



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WWW.HOWELASER.COM

目录 CONTENTS

深耕激光二十载
Dedicated to lasers for two decades

智造赋能新未来
Intelligent manufacturing the new future

01

01 企业介绍 Company Profile
02 资质证书 Qualification Certificate
03 企业发展 Corporate Development

02

05 定制化核心优势 Customized Core Advantages
06 服务市场 Service Market
07 产品中心 Product Center

03

09 板材切割机 Plate Cutting Machine
11 管材切割机 Tube Cutting Machine
13 自动化装置 Automated Devices
21 配件系列 Accessories Series

豪威智造
Howe Intelligence

COMPANY PROFILE

企业简介

精益求精 科技领先
标准规范 服务无限

豪威电气集团成立于2005年，注册资金3000万元，是一家专注于智能激光装备及自动化设备研发、生产、销售和服务为一体的国家高新技术企业。集团拥有两大现代化生产基地，总占地面积达8万平方米。目前拥有一批先进的大型精密加工与检测设备(高精度龙门铣十余台，热处理回火炉等)，实现生产制造全流程自主可控。

HOWE Electrical Group was established in 2005 and is a national high-tech enterprise specializing in the research and development, production, sales, and service of intelligent laser equipment and automation equipment. We have two modern production bases covering an area of 8 hectares. We have 12 high-precision gantry milling machines, heat treatment and tempering furnaces, and multiple production lines to achieve independent and controllable production processes.

公司成立于 The company was founded in	累计生产设备 Cumulative Production Equipment	占地面积 Site Area	服务国家和地区 Countries and Regions Served
2005	16000 台	80000 m^2	50 +

HONORS AND QUALIFICATIONS
资质证书

光刻匠心 丨智造未来
CRAFTSMANSHIP IN LITHOGRAPHY
INTELLIGENCE FOR THE FUTURE

国家专利 Patent	发明专利 Invention Patent	实用新型专利 Utility Model Patent	外观专利 Design Patent	软著 Software Copyright
80 +	3	50 +	15	10

DEVELOPMENT HISTORY
企业发展历程

2005

公司成立，主营钣金加工与金属制造。

The company was established, specializing in sheet metal processing and metal manufacturing.

2012

投资建设智能激光、电气自动化设备研发、制造于一体的大型生产基地，总占地面积54000㎡。

Invest in the construction of a production base, covering an area of 5.4 hectares.

2014

建立研发中心，致力于智能激光装备及自动化设备的研发。

Establish a research and development center.

2016

取得CE、ISO9001-2008质量管理体系认证。

Obtained CE and ISO 9001-2008 quality management system certification.

2017

进军国际市场，产品具备高精度、高效率的智能加工能力，满足多行业技术需求，正式开启全球化布局。

Entering the international market and opening up a global layout.

2020

获评“专精特新示范企业”公司在研发和技术创新领域取得显著成果。

The company has achieved significant results in research and technological innovation.

2022

投资建设智能装备组装基地和全球品牌展示中心。拥有激光切割设备组装车间、自动化上料、上管生产组装车间及检测、研发中心及品牌展示中心，总占地面积27000㎡。

Investment and construction of assembly base and brand display center, covering a total area of 2.7 hectares.

2024

实现大规模生产，年产量可达2000台。产品远销全国20个省及欧、美、亚10多个国家和地区。

Our products are exported to Europe, America and Asia.

PRODUCT ADVANTAGES
定制化核心优势

硬件设施
Hardware Facilities

板材切割幅面（可选标准或非标尺寸）
管材切割范围（可根据您的管材尺寸、壁厚及长度定制）
或其他设备功能配置

灵活配置
Flexible Configuration

根据客户的具体需求灵活调整设备的功率、切割幅面以及自动化程度等各项配置

ADVANTAGE
核心优势

认证体系保障
Certification Systems Assurance

认证体系保障：公司取得CE、ISO9001-2008质量体系认证，每一个生产环节严格把关，确保出厂设备的性能和品质。

customization
智造赋能新未来

SERVICE MARKET
服务市场

01

一站式智造解决方案
One-Stop Intelligent Manufacturing Solutions

提供智能激光、自动化上下料装置、激光焊接、钣金加工等产品的个性化服务，从图纸设计到成品交付，满足多行业需求。

02

科技创新驱动高端装备智造
Technological Innovation Drives The Intelligent Manufacturing of High-End Equipment

深度融合产学研资源，突破前沿创新技术应用全流程的自主创新体系，实现高精度形成核心专利集群，构建覆盖设计、研发、制造、高效率、智能化装备研发与制造。

03

国际先进硬件支持
Internationally Advanced Hardware Support

配备高精度龙门铣、热处理加工、激光切割机、自动化生产线等，实现全流程自主可控、质量可溯。

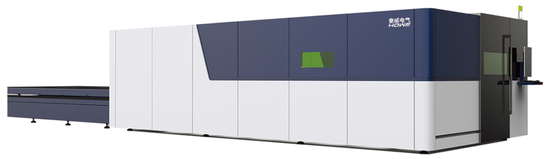
PRODUCT CENTER
产品中心

公司产品覆盖光纤激光切割机、手持激光焊接机、管材自动上料机、激光专用除尘器、钢板自动化生产线、管材加工自动线等核心设备。

THE COMPANY'S PRODUCTS COVER CORE EQUIPMENT SUCH AS FIBER LASER CUTTING MACHINES, HANDHELD LASER WELDING MACHINES, AUTOMATIC PIPE FEEDING MACHINES, SPECIALIZED DUST COLLECTORS FOR LASERS, AUTOMATIC STEEL PLATE PRODUCTION LINES, AND AUTOMATIC PIPE PROCESSING LINES.

A 板材切割机 PLATE CUTTING MACHINE

• 光纤激光切割机
Fiber Laser Cutting Machine



• 交换台式切板机
Exchange Table Sheet Cutting Machine

B 管材切割机 PIPE CUTTING MACHINE

• 全自动侧挂切管机
Fully Automatic Side-Mounted Tube Cutting Machine

• 半自动侧挂切管机
Semi-Automatic Side-Mounted Pipe Cutter

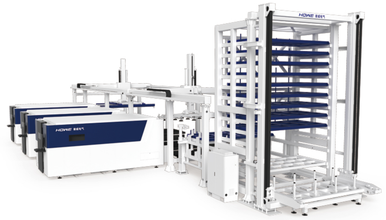
C 配件系列 ACCESSORIES SERIES

• 床身
Machine Frame

• 横梁
Crossbeam

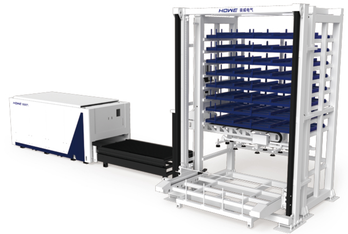
D 自动化装置 AUTOMATED DEVICES

• 多层板材自动化料库(侧出式)
Multi-Layer Plate Automatic Material Storage (Side Discharge Type)



• 多层板材自动化料库(后出式)
Multi-Layer Plate Automatic Material Storage (Rear Discharge Type)

• 多层板材自动化料库(集成上下料插齿式)
Multi-Layer Plate Automatic Material Storage (Intergrated Loading & Unloading Type)



• 多层板材自动化料库(集成上料机械手式)
Multi-Layer Plate Automatic Material Storage (Intergrated Loading Manipulator Type)

• 伸缩悬臂管型料库
Telescopic Cantilever Pipe-Type Material Storage

• 抽屉式板材料库(电动)
Drawer-Type Sheet Material Storage

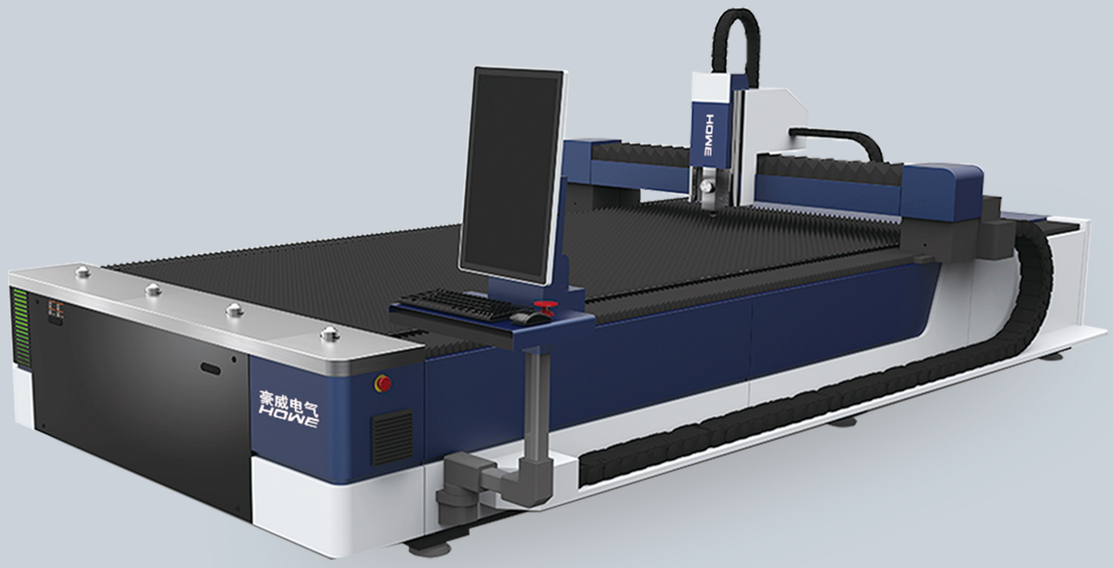
• 伺服摆臂上下料机械手
Servo Swing Arm Loading & Unloading Manipulator

• 移动式管型料库
Mobile Pipe Material Storage

光纤激光切割机

FIBER LASER CUTTING MACHINE

板材切割机 PLATE CUTTING MACHINE



产品优势 PRODUCT ADVANTAGES

- 高功率重载机床，钢板整体焊接床身，回火加工一体成型
  High power heavy-duty machine tool, steel plate integral dry joint bed body, tempering processing integrated molding.
- 大龙门设计，保证了大幅面对角线精度，自动精度补偿
  Large gantry design ensures large and diagonal accuracy, with automatic precision compensation.
- 集成式电器柜，整体式运输，安装方便快捷
  Integrated electrical cabinet, integrated transportation, easy and fast installation.

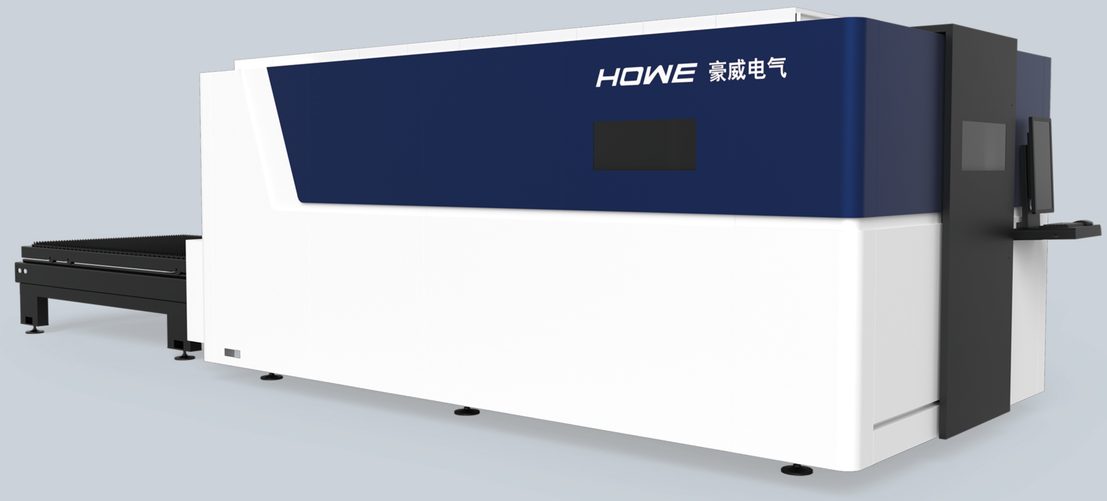
产品参数 PRODUCT PARAMETERS

型号 Model	加工幅面(长X宽) Processing Format (Length × Width)	激光功率 Laser Power	外形尺寸(可定制) Overall Dimensions (Customizable)	X/Y 轴定位精度 X/Y Axis Positioning Accuracy	X/Y 轴重复定位精度 X/Y Axis Repeat Positioning Accuracy
J3015-T	3000MMX1500MM	1500W/2000W/3000W/6000W	4800X2250X1800	±0.05MM	±0.03MM
J4020-T	4000MMX2000MM	1500W/2000W/3000W/6000W	5870X2800X1800	±0.05MM	±0.03MM
J6020-T	6000MMX2000MM	3000W/6000W/12000W	8200X2800X2000	±0.05MM	±0.03MM
J6025-T	6000MMX2500MM	3000W/6000W/12000W/20000W	8200X3400X2000	±0.05MM	±0.03MM
J8025-T	8000MMX2500MM	6000W/12000W/20000W/30000W	10500X3400X2100	±0.05MM	±0.03MM
J12025-T	12000MMX2500MM	6000W/12000W/20000W/30000W	14600X3500X2100	±0.05MM	±0.03MM
J13030-T	13000MMX3000MM	6000W/12000W/20000W/30000W	15600X4100X2200	±0.05MM	±0.03MM
J13032-T	13000MMX3200MM	6000W/12000W/20000W/30000W	15600X4300X2200	±0.05MM	±0.03MM

交换台式切板机

EXCHANGE TABLE CUTTING MACHINE

板材切割机 PLATE CUTTING MACHINE



产品优势 PRODUCT ADVANTAGES

- 智能收刀、无痕微连、过程监控、熔池检测、智能穿孔
  Intelligent knife retraction, seamless micro connection, process monitoring, melt pool detection, intelligent perforation.
- 同步平行交换工作台，交换更平稳
  Synchronize parallel switching workbench for smoother switching.
- 创新优化设计,实现高功率低能耗的生产模式
  Innovative and optimized design to achieve a production mode of high power and low energy consumption.

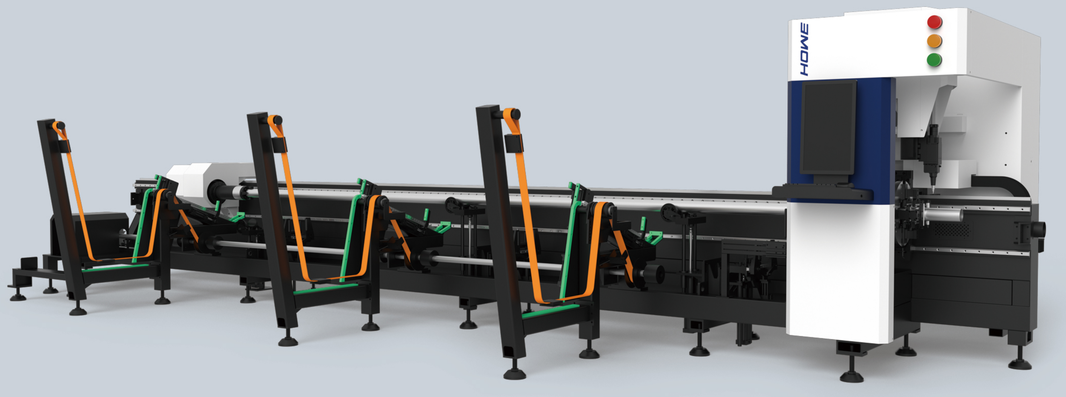
产品参数 PRODUCT PARAMETERS

型号 Model	加工幅面(长X宽) Processing Format (Length × Width)	激光功率 Laser Power	外形尺寸(可定制) Overall Dimensions (Customizable)	X/Y 轴定位精度 X/Y Axis Positioning Accuracy	X/Y 轴重复定位精度 X/Y Axis Repeat Positioning Accuracy
J3015-T	3000MMX1500MM	1500W/2000W/3000W/6000W	4800X2250X1800	±0.05MM	±0.03MM
J4020-T	4000MMX2000MM	1500W/2000W/3000W/6000W	5870X2800X1800	±0.05MM	±0.03MM
J6020-T	6000MMX2000MM	3000W/6000W/12000W	8200X2800X2000	±0.05MM	±0.03MM
J6025-T	6000MMX2500MM	3000W/6000W/12000W/20000W	8200X3400X2000	±0.05MM	±0.03MM
J8025-T	8000MMX2500MM	6000W/12000W/20000W/30000W	10500X3400X2100	±0.05MM	±0.03MM
J12025-T	12000MMX2500MM	6000W/12000W/20000W/30000W	14600X3500X2100	±0.05MM	±0.03MM
J13030-T	13000MMX3000MM	6000W/12000W/20000W/30000W	15600X4100X2200	±0.05MM	±0.03MM
J13032-T	13000MMX3200MM	6000W/12000W/20000W/30000W	15600X4300X2200	±0.05MM	±0.03MM

全自动侧挂切管机

FULL-AUTOMATIC SIDE-MOUNTED PIPE CUTTING MACHINE

管材切割机 PIPE CUTTING MACHINE



产品优势 PRODUCT ADVANTAGES

- 前卡移动，尾料更短
  Front chuck moves, tail material is shorter.
- 侧挂式床身结构设计，上下料更方便快捷
  Side hanging bed structure design, making loading and unloading more convenient and efficient.
- 全行程方圆卡盘，夹持范围更广
  Full stroke circular chuck, with a wider clamping range.

产品参数 PRODUCT PARAMETERS

型号 Model	夹持范围(MM) Clamping Range (MM)	上料长度 Feeding Length	转速 Rotational Speed	功率 Power
60G-130(120kg)	Φ20-120 20X20-120X120	≤6200	200rpm/min	1500W/2000W/3000W/6000W
60G-170(140kg)	Φ20-170 20X20-170X170	≤6300	140rpm/min	3000W/6000W
90G-170	Φ20-170 20X20-170X170	≤9300	140rpm/min	3000W/6000W
60G-240(BLT 精密)(360kg)	Φ30-240 30X30-240X240	≤6500	80rpm/min	3000W/6000W
90G-240	Φ30-240 30X30-240X240	≤9500	80rpm/min	3000W/6000W
120G-240	Φ30-240 30X30-240X240	≤12500	80rpm/min	3000W/6000W
60G-290(700kg)	Φ30-280 30X30-280X280	≤6500	50rpm/min	3000W/6000W
90G-290	Φ30-280 30X30-280X280	≤9500	50rpm/min	3000W/6000W
120G-290	Φ30-280 30X30-280X280	≤12500	50rpm/min	3000W/6000W

半自动侧挂切管机

SEMI-AUTOMATIC SIDE-MOUNTED PIPE CUTTING MACHINE

管材切割机 PIPE CUTTING MACHINE

产品优势 PRODUCT ADVANTAGES

- 前卡移动，尾料更短
  Front chuck moves, tail material is shorter.
- 侧挂式床身结构设计，上下料更方便快捷
  Side hanging bed structure design, making loading and unloading more convenient and efficient.
- 全行程方圆卡盘，夹持范围更广
  Full stroke circular chuck, with a wider clamping range.

产品参数 PRODUCT PARAMETERS

型号 Model	夹持范围(MM) Clamping Range (MM)	上料长度 Feeding Length	转速 Rotational Speed	功率 Power
60G-130(120kg)	Φ20-120 20X20-120X120	≤6200	200rpm/min	1500W/2000W/3000W/6000W
60G-170(140kg)	Φ20-170 20X20-170X170	≤6300	140rpm/min	3000W/6000W
90G-170	Φ20-170 20X20-170X170	≤9300	140rpm/min	3000W/6000W
60G-240(BLT 精密)(360kg)	Φ30-240 30X30-240X240	≤6500	80rpm/min	3000W/6000W
90G-240	Φ30-240 30X30-240X240	≤9500	80rpm/min	3000W/6000W
120G-240	Φ30-240 30X30-240X240	≤12500	80rpm/min	3000W/6000W
60G-290(700kg)	Φ30-280 30X30-280X280	≤6500	50rpm/min	3000W/6000W
90G-290	Φ30-280 30X30-280X280	≤9500	50rpm/min	3000W/6000W
120G-290	Φ30-280 30X30-280X280	≤12500	50rpm/min	3000W/6000W

多层板材自动化料库(侧出式)

光刻匠心 · 智造未来

MULTI-LAYER PLATE AUTOMATIC MATERIAL STORAGE (SIDE DISCHARGE TYPE)

自动化装置 AUTOMATED DEVICES

产品优势 PRODUCT ADVANTAGES

- 精准定位和自动取放功能，提高物料流转效率
  Accurate positioning and automatic picking and placing functions improve material circulation efficiency.
- 配备安全光栅提高工作安全性，降低操作人员受伤风险
  Equipped with safety barriers to improve work safety and reduce the risk of injury to operators.
- 模块化设计，可按客户需求进行定制
  Modular design, customizable according to customer needs.

产品参数 PRODUCT PARAMETERS

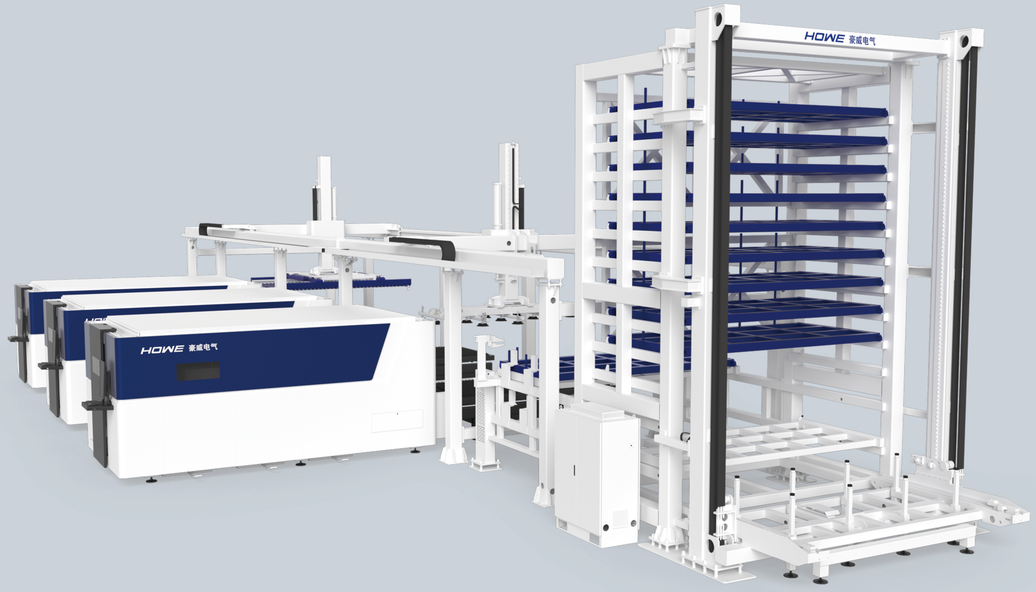
板材厚度范围 Plate Thickness Range	0.8MM-8MM/8MM-16MM
规格 Specification	2500X1250MM/3000X1500MM/4000X2000MM(可定制)
单层最大承载重量 Maximum Load-Bearing Capacity of A Single Layer	3T-5T(可定制)
存储隔层高度 Storage Compartment Height	≤220MM(可定制)
层数可根据厂房高度定制 Number of Floors	6/8/10(可定制)
单张取板承载 Single Sheet Bearing	300KG-1000KG(可定制)
单张取板幅面 Single Sheet Size	可根据客户要求定制(Customizable)

多层板材自动化料库(后出式)

光刻匠心 · 智造未来

MULTI-LAYER PLATE AUTOMATIC MATERIAL STORAGE (REAR DISCHARGE TYPE)

自动化装置 AUTOMATED DEVICES



产品优势 PRODUCT ADVANTAGES

- 精准定位和自动取放功能，提高物料流转效率
  Accurate positioning and automatic picking and placing functions improve material circulation efficiency.
- 配备安全光栅提高工作安全性，降低操作人员受伤风险
  Equipped with safety barriers to improve work safety and reduce the risk of injury to operators.
- 模块化设计，可按客户需求进行定制
  Modular design, customizable according to customer needs.

产品参数 PRODUCT PARAMETERS

板材厚度范围 Plate Thickness Range	0.8MM-8MM/8MM-16MM
规格 Specification	2500X1250MM/3000X1500MM/4000X2000MM(可定制)
单层最大承载重量 Maximum Load-Bearing Capacity of A Single Layer	3T-5T(可定制)
存储隔层高度 Storage Compartment Height	≤220MM(可定制)
层数可根据厂房高度定制 Number of Floors	6/8/10(可定制)
单张取板承载 Single Sheet Bearing	300KG-1000KG(可定制)
单张取板幅面 Single Sheet Size	可根据客户要求定制(Customizable)

多层板材自动化料库(集成上下料插齿式)

光刻匠心 · 智造未来

MULTI-LAYER PLATE AUTOMATIC MATERIAL STORAGE (INTEGRATED LOADING & UNLOADING TYPE)

自动化装置 AUTOMATED DEVICES

产品优势 PRODUCT ADVANTAGES

- 精准定位和自动取放功能，提高物料流转效率
  Accurate positioning and automatic picking and placing functions improve material circulation efficiency.
- 配备安全光栅提高工作安全性，降低操作人员受伤风险
  Equipped with safety barriers to improve work safety and reduce the risk of injury to operators.
- 模块化设计，可按客户需求进行定制
  Modular design, customizable according to customer needs.

产品参数 PRODUCT PARAMETERS

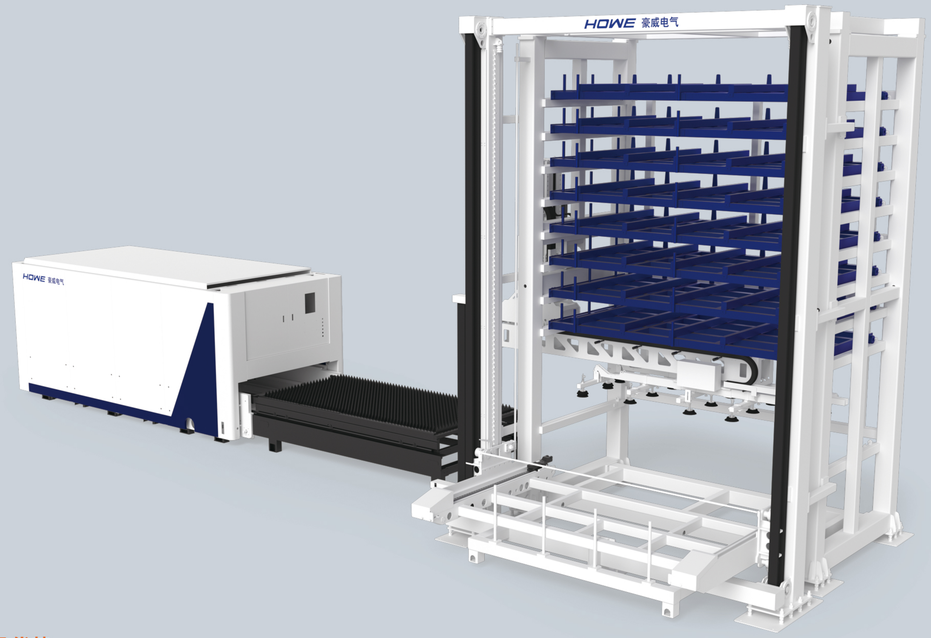
板材厚度范围 Plate Thickness Range	0.8MM-8MM/8MM-16MM
规格 Specification	2500X1250MM/3000X1500MM/4000X2000MM(可定制)
单层最大承载重量 Maximum Load-Bearing Capacity of A Single Layer	3T-5T(可定制)
存储隔层高度 Storage Compartment Height	≤220MM(可定制)
层数可根据厂房高度定制 Number of Floors	4/6/8(可定制)
单张取板承载 Single Sheet Bearing	300KG-500KG
单张取板幅面 Single Sheet Size	可根据客户要求定制(Customizable)

多层板材自动化料库(集成上料机械手式)

光刻匠心 · 智造未来

MULTI-LAYER PLATE AUTOMATIC MATERIAL STORAGE (INTEGRATED LOADING MANIPULATOR TYPE)

自动化装置 AUTOMATED DEVICES



产品优势 PRODUCT ADVANTAGES

- 精准定位和自动取放功能，提高物料流转效率
  Accurate positioning and automatic picking and placing functions improve material circulation efficiency.
- 配备安全光栅提高工作安全性，降低操作人员受伤风险
  Equipped with safety barriers to improve work safety and reduce the risk of injury to operators.
- 模块化设计，可按客户需求进行定制
  Modular design, customizable according to customer needs.

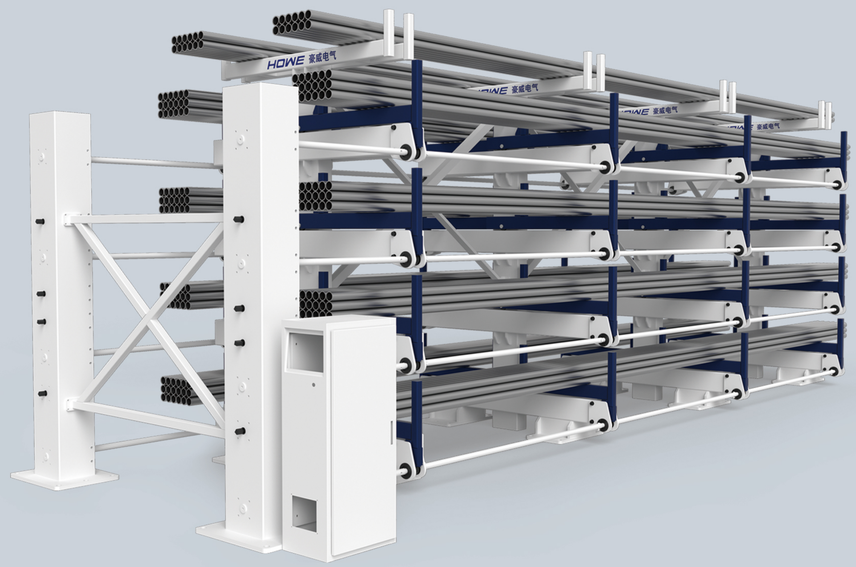
产品参数 PRODUCT PARAMETERS

板材厚度范围 Plate Thickness Range	0.8MM-8MM/8MM-16MM
规格 Specification	2500X1250MM/3000X1500MM/4000X2000MM(可定制)
单层最大承载重量 Maximum Load-Bearing Capacity of A Single Layer	3T-5T(可定制)
存储隔层高度 Storage Compartment Height	≤220MM(可定制)
层数可根据厂房高度定制 Number of Floors	4/6/8(可定制)
单张取板承载 Single Sheet Bearing	300KG-500KG
单张取板幅面 Single Sheet Size	可根据客户要求定制(Customizable)

伸缩悬臂管型料库

TELESCOPIC CANTILEVER PIPE-TYPE MATERIAL STORAGE

自动化装置 AUTOMATED DEVICES



产品优势 PRODUCT ADVANTAGES

- 结构稳固，载重能力强
  Stable structure and strong load-bearing capacity.
- 节省空间，载重、长度、层数均可按需定制
  Space saving, load capacity, length, and number of layers can be customized as needed.
- 节约人工成本，降低工伤风险
  Save labor costs and reduce the risk of work-related injuries.

产品参数 PRODUCT PARAMETERS

管长范围 Pipe Length Range	6000MM/9000MM/12000MM(可定制)
单臂容纳尺寸(深度x高度) Single-Arm Accommodating Dimensions(Depth x Height)	600X400MM/600X600MM/800X600MM(可定制)
单臂最大承载重量 Maximum Load Capacity of A Single Arm	3T-5T(可定制)
层数可根据厂房高度定制 Number of Floors	4+1/5+1/6+1(可定制)
设备动力版本 Equipment Power Version	电动版/手摇版 Electric/Hand-Cracnked Version
设备颜色 Equipment Color	可根据客户要求定制(Customizable)

抽屉式板材料库

DRAWER-TYPE SHEET MATERIAL STORAGE

自动化装置 AUTOMATED DEVICES

产品优势 PRODUCT ADVANTAGES

- 支持定制
  Customization supported.
- 节省空间，载重、长度、层数均可按需定制
  Strong load-bearing capacity, sturdy structure, and high space utilization rate.
- 节约人工成本，降低工伤风险
  Standardized management, safe and aesthetically pleasing, clear inventory, and convenient inventory counting.

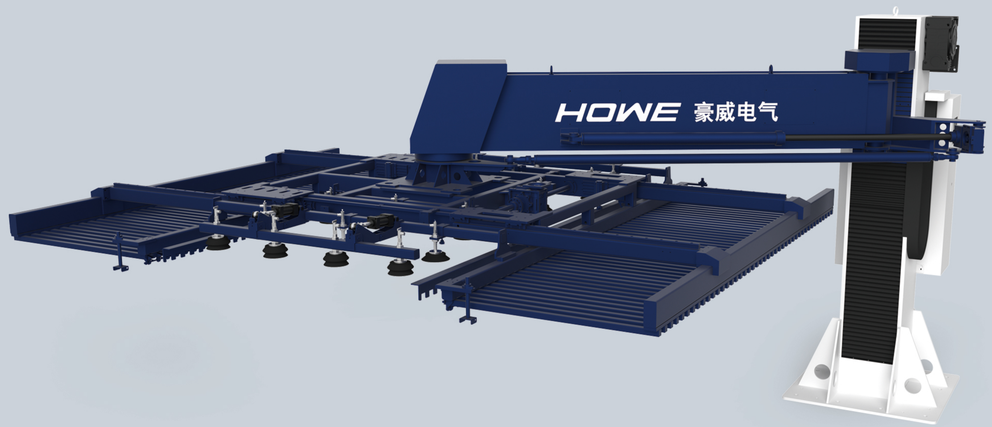
产品参数 PRODUCT PARAMETERS

设备规格 Equipment Specifications	2000X1500MM/3000X1500MM/4000X2000MM(可定制)
单层最大承载重量 Maximum Load-Bearing Capacity of A Single Layer	3T-5T(可定制)
存储隔层高度 Storage Compartment Height	≤220MM(可定制)
层数可根据厂房高度定制 Number of Floors	3-10层(可定制)
设备动力版本 Equipment Power Version	电动版/手摇版 Electric/Hand-Cranked Version
设备颜色 Equipment Color	可根据客户要求定制(Customizable)

伺服摆臂上下料机械手

SERVO SWING ARM LOADING & UNLOADING MANIPULATOR

自动化装置 AUTOMATED DEVICES



产品优势 PRODUCT ADVANTAGES

- 稳运行，易适配，低成本
  Stable operation, easy adaptation, low cost.
- 与各机型激光切割机配套使用，可按需定制
  Used in conjunction with various types of laser cutting machines, can be customized according to needs.
- 模块化组装、结构紧凑、占地面积小
  Modular assembly, compact structure, and small footprint.

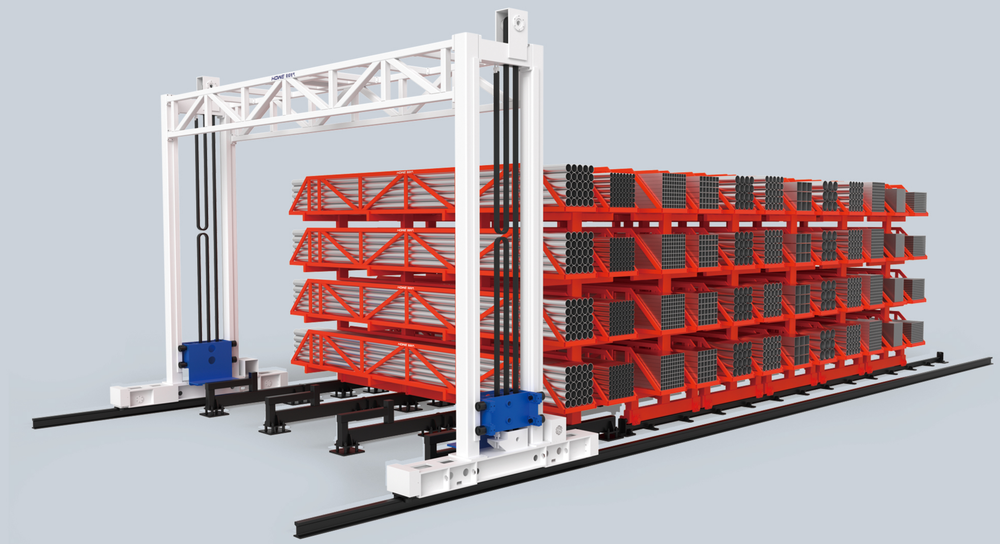
产品参数 PRODUCT PARAMETERS

板材厚度范围 Plate Thickness Range	0.8MM-8MM/8MM-16MM
单张取板幅面 Single Sheet Size	2000X1250MM 3000X1250MM 3000X1500MM(可定制)
最大承载重量 Maximum Load Capacity	200KG-750KG(可定制)
摆臂角度 Swing Arm Angle	≤120度(120 Degrees)
设备颜色 Equipment Color	可根据客户要求定制(Customizable)

移动式管型料库

MOBILE PIPE MATERIAL STORAGE

自动化装置 AUTOMATED DEVICES



产品优势 PRODUCT ADVANTAGES

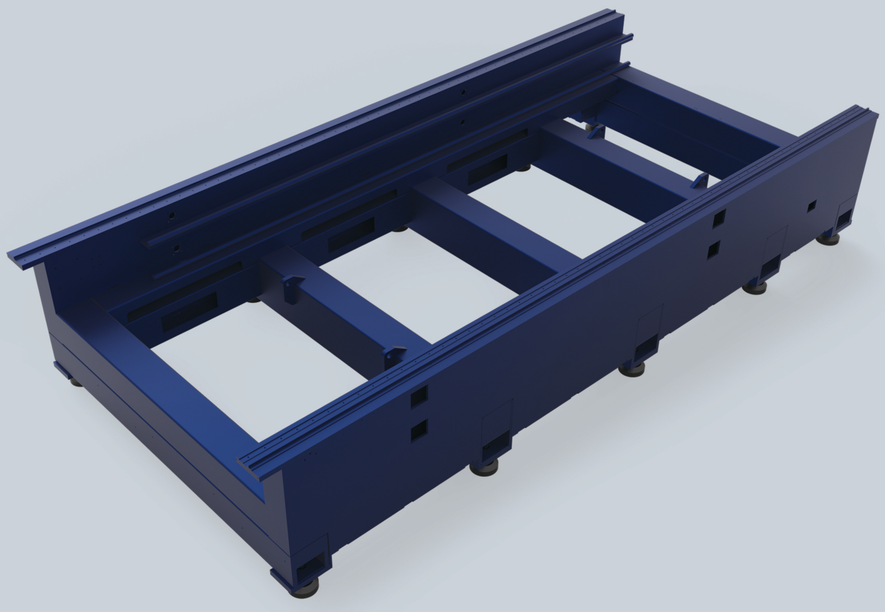
- 省空间，高效率
  Space saving and high efficiency.
- 可整体移动，灵活布局，方便产线调整
  Can be moved as a whole, flexible layout, convenient for production line adjustment.
- 存取物料自动化，节约人工成本，降低工伤风险
  Automated storage and retrieval of materials, saving labor costs and reducing the risk of work-related injuries.

产品参数 PRODUCT PARAMETERS

管长范围 Pipe Length Range	6000MM/9000MM/12000MM(可定制)
料框尺寸(深度x高度) Material Frame Dimensions (Depth x Height)	500X500MM(可定制)
单臂最大承载重量 Maximum Load Capacity of A Single Arm	3T/5T(可定制)
立体货架数量 Number of Automated Storage and Retrieval Systems	3-8个(可定制)
层数可根据厂房高度定制 Number of Floors	4/6/8(可定制)

定制床身
CUSTOM MACHINE FRAME

配件系列 ACCESSORIES SERIES



产品优势 PRODUCT ADVANTAGES

- 采用合金钢板整体焊接，热保护措施加工工艺
  Adopting alloy steel plate integral welding and processing technology with thermal protection measures.
- 减少热吸收，保证长期运行精度
  Reduce heat absorption and ensure long-term operational accuracy.
- 适配性强，可按需定制
  Strong adaptability, customizable according to needs.

光刻匠心 · 智造未来

定制床身
CUSTOM MACHINE FRAME

配件系列 ACCESSORIES SERIES

产品优势 PRODUCT ADVANTAGES

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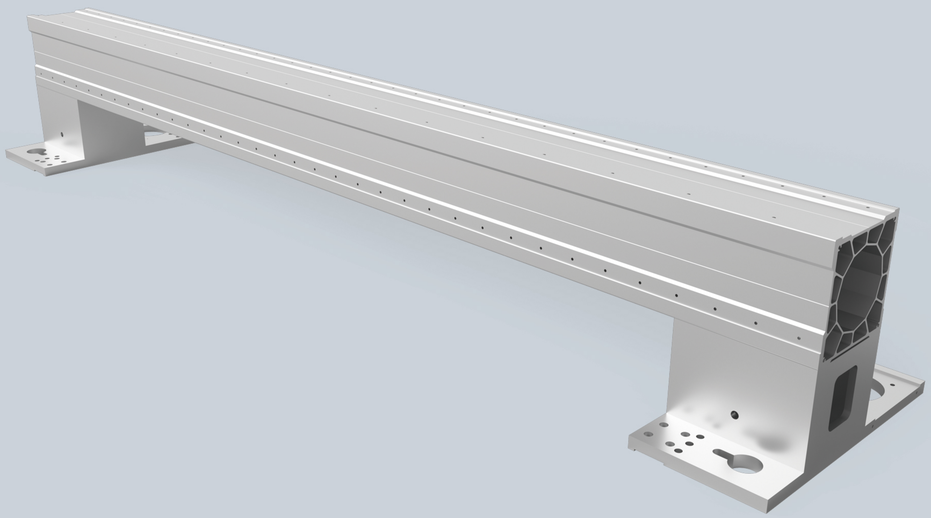
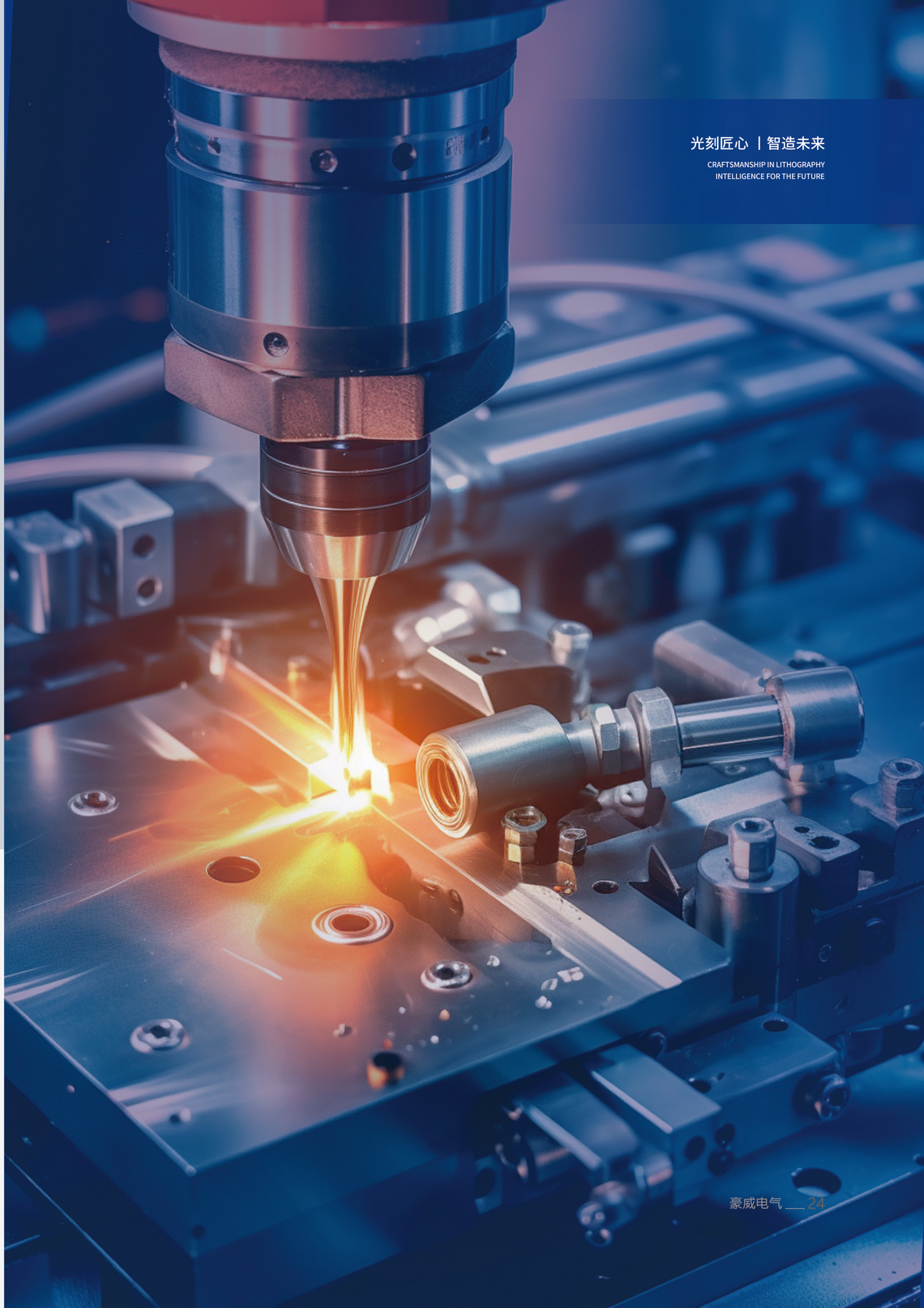
横梁
CROSSBEAM

配件系列 ACCESSORIES SERIES



产品优势 PRODUCT ADVANTAGES

- 横梁龙门采用低重心、轻量化设计
  The crossbeam adopts a low center of gravity and lightweight design.
- 双边驱动使加速度轻松达到2-3G，加倍提高切割性能
  The bilateral drive enables the acceleration to easily reach 2-3G, doubling the cutting performance.