和企机械期待与您
共同发展，共创未来！

HEKEY Machinery Looks Forward to Growing Together and Creating a Prosperous Future

东莞市和企机械设备有限公司

Dongguan Heqi Machinery Equipment Co.,ltd

地址: 东莞市樟木头镇樟洋东深路樟木头段353号
Add:No. 353, Zhangmutou Section, Dongshen Road, Zhangmutou Town, Dongguan City, Guangdong Province, China

电话(Tel): 0769-87938661
手机(Cell): 13858014453　13414227969　+86 13537076328
网址(Web): www.heqijx.cn
邮箱(Email): info@hekey.com.cn

和企机械
HEKEY MACHINERY

和企机械
让弯管变得简单高效！

Simplify and enhance your tube bending process with hekey machinery

一站式管件加工,机械设备制造商

Your One-Stop Solution for Tube Processing Machinery

COMPANY PROFILE >>> > 公司简介

东莞市和企机械设备有限公司是一家集研发、设计、生产销售为一体的管件加工设备制造企业，主要生产CNC弯管机、自动双弯机、全自动切管机、弯管冲孔成型生产线等.

设备广泛适用于家具、健身器材、空调制冷、医疗器材、电动车、汽车、童车、建筑装饰等行业

公司持续研发，不断创新，助您在激烈竞争中力争上游!

Dongguan Heqi Machinery Equipment Co., Ltd. is a comprehensive manufacturer specializing in the research, design, production, and sales of tube processing equipment. Our primary products include CNC tube benders, automatic double benders, fully automatic pipe cutting machines, and tube bending and punching production lines. These machines are widely used across various industries such as furniture, fitness equipment, air conditioning and refrigeration, medical devices, electric vehicles, automobiles, children's bikes, and architectural decoration. We are committed to continuous R&D and innovation to help you stay ahead in the competitive market!

Qualification certificate

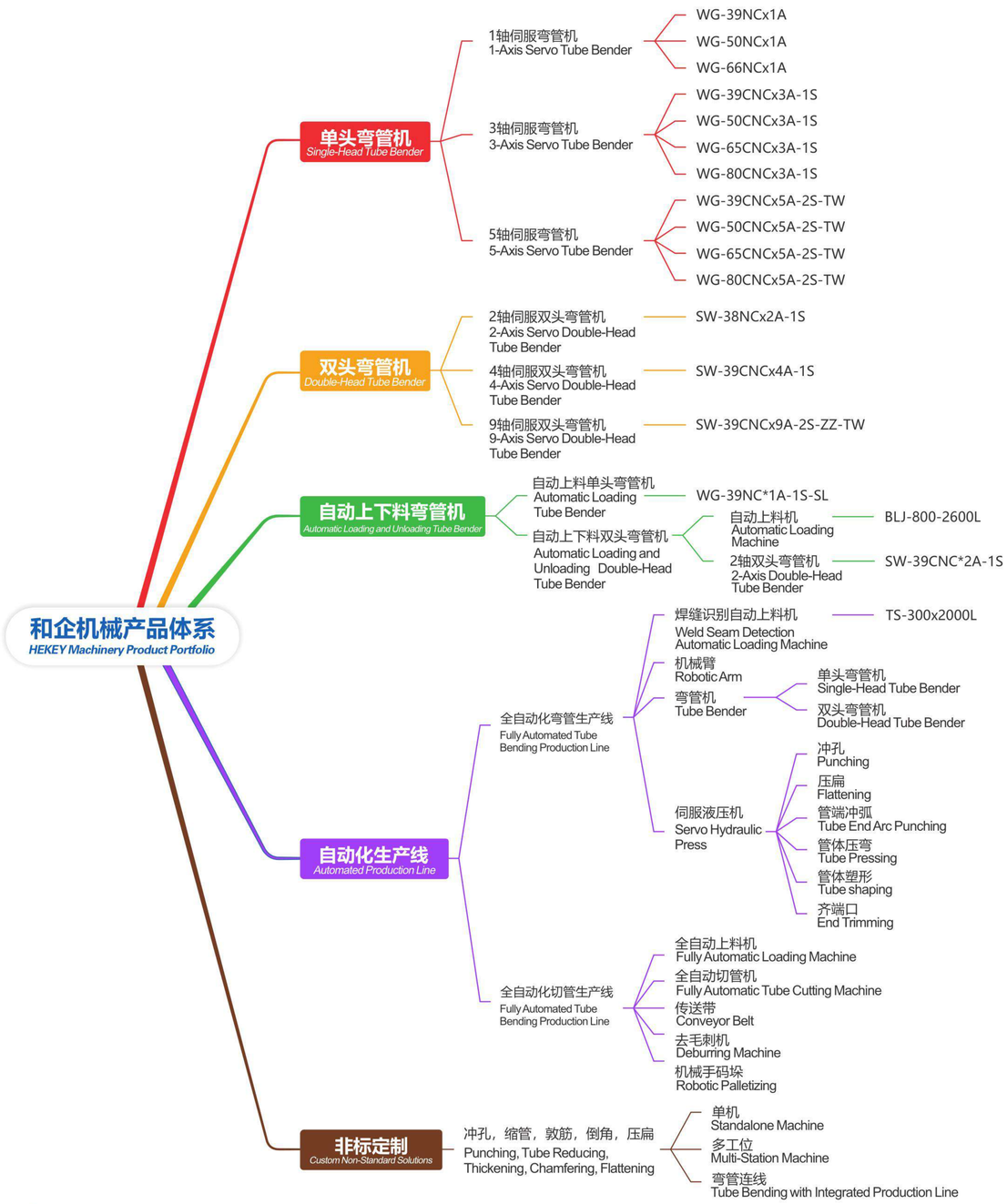
资质证书

公司拥有各种管类加工设备的研发能力，拥有多项实用新型专利和自主研发软件著作权，工厂通过ISO9001-2015管理体系认证，属于国家级高新技术企业。

The company possesses robust R&D capabilities for various tube processing equipment, holding multiple utility model patents and proprietary software copyrights. Our factory is ISO 9001-2015 certified, and we are recognized as a national high-tech enterprise.

HEKEY Machinery Product Portfolio

和企机械产品体系



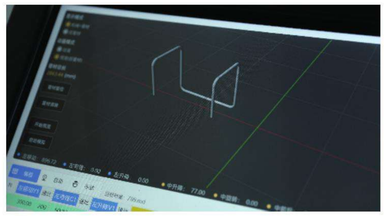
和企机械
HEKEY MACHINERY

和企机械
提供给您的
不止是一台机器!

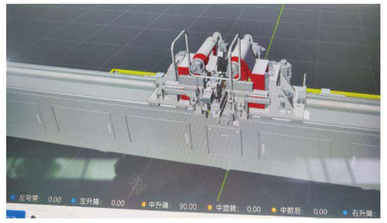
Hekey machinery delivers
more than just a machine

双弯机系列
DOUBLE-HEAD TUBE BENDER SERIES

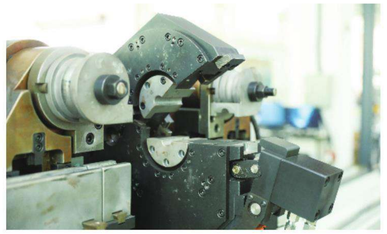
适用于家具 户外休闲用品等管件弯曲行业
Ideal for Tube Bending in the Furniture and Outdoor Leisure Industries



1 3D预览 3D Preview



2 实时干涉模拟 Real-Time Interference Simulation



3 专利设计中间旋转夹紧机构,两机头中心距最小至285mm
Patented Mid-Rotation Clamping Mechanism with a Minimum Center Distance of 285mm Between Two Heads

- 九轴伺服控制
- 采用工业电脑（IPC）及触控式荧幕控制
- 内建Windows操作系统，具有超大记忆容量
- 可设定操作员与管理员等级权限，防止数据被轻易更改
- 每一弯可单独编写动作模式及脱模间隙
- 手动 自动均可图形显示机器动作部位及各轴位置
- 编辑档案产品3D显示，提高编辑效率
- 干涉模拟功能，操作者输入参数即可检视是否会发生碰撞
- 具有推弯功能，可弯大弯曲半径产品
- 可装单层或双层模具，可弯曲两个不同R的产品
- 效率比CNC单弯机快近一倍

- 9-Axis Servo Control
- Controlled by Industrial PC (IPC) with Touchscreen Interface
- Built-in Windows Operating System with Extensive Memory Capacity
- Operator and Administrator Access Levels Can Be Set to Prevent Unauthorized Data Changes
- Each Bend Can Be Individually Programmed with Specific Action Modes and Release Gaps
- Manual/Automatic Modes Display Machine Movements and Axis Positions Graphically
- 3D Product Display for File Editing, Enhancing Editing Efficiency
- Interference Simulation Allows Operators to Input Parameters and Check for Potential Collisions
- Push-Bending Capability for Products with Large Bend Radii
- Supports Single or Double Layer Molds, Enabling Bending of Products with Two Different Radii
- Nearly Twice as Efficient as CNC Single Benders

和企机械
HEKEY MACHINERY

九轴伺服中转双弯机 9-Axis Servo Transfer Double-Head Tube Bender	
主要规格/机型 Main Specifications/Model	SW-39CNC×9A-2S-ZZ
最大弯管能力（CLR1.5D) Maximum bending capacity (CLR1.5D)	Ø38×1.5t
可装模具层数 Number of mold layers	二层 second floor
最大弯曲半径 mm Maximum bending radius mm	150
轮模中心离地面高度mm Die center height from the ground mm	1560
最大弯曲角度 Maximum bending angle	180°
轮模中心距调节范围mm Adjustable range of the center distance of the wheel mold mm	285 - 4760
弯管方向 Bending direction	由下往上 bottom top
伺服轴数 Number of servo axes	9轴 9-axis
最多可弯曲数量 Maximum number of bends	60弯 60bent
机器尺寸mm Machine size mm	6710*1700*1710
机器重量kg Machine weight kg	5500

双弯机系列
DOUBLE-HEAD TUBE BENDER SERIES

适用于家具、汽车座椅、户外休闲用品等管件弯曲行业
Ideal for Tube Bending in the Furniture and Outdoor Leisure Industries

1

独创随动油路分配器，确保油管不缠绕

Innovative Follower Hydraulic Distributor to Prevent Hose Tangling

2

左右机头移动,采用重型滚柱线轨
搭配斜齿轮稳定可靠
Heavy-Duty Roller Linear Guides with Helical Gears for Stable and Reliable Movement of Left and Right Heads

3

机器自带内定位挡块，实现数字输入
调整工件长度，准确方便
Built-In Internal Positioning Stop with Digital Input for Easy and Accurate Adjustment of Workpiece Length

- 四轴伺服控制
- 角度 长度均通过屏幕输入设定
- 按图输入数据，设定简单
- 可根据输入数据计算管件展开长度
- 内置定位挡块、具有定位补偿功能，自动定位
- 可弯U形、四方框或多边形框
- 可连线机械手臂自动上下料生产

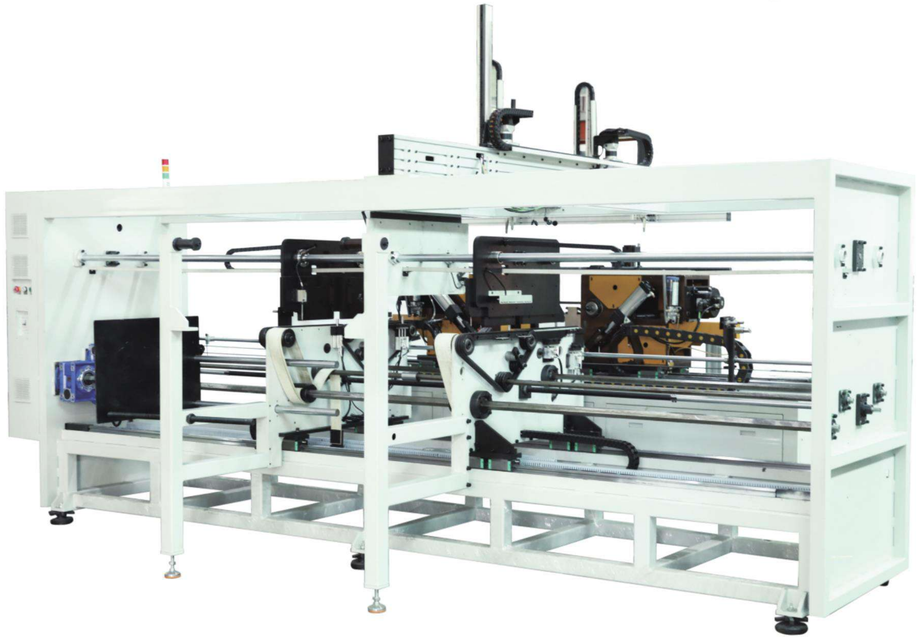
- 4-Axis Servo Control
- Angle and Length Settings Input Directly via Screen
- Easy Setup by Entering Data According to Drawings
- Automatically Calculates Tube Unfolded Length Based on Input Data
- Built-In Positioning Stop with Compensation Function for Automatic Positioning
- Capable of Bending U-Shapes, Square Frames, or Polygonal Frames
- Can Be Integrated with Robotic Arms for Automatic Loading and Unloading Production

主要规格/机型 Main specifications/models	SW-38NC×2A-1S	SW-39CNC×4A-1S	SW-39CNC×9A-2S-ZZ-TW
最大弯管能力（CLR1.5D) Maximum bending capacity (CLR1.5D)	Ø38×1.5t	Ø38×1.5t	Ø38×1.5t
可装模具层数 Number of mold layers	一层 sheet	一层 sheet	二层 second floor
*最大弯曲半径 mm *Maximum bending radius mm	150	150	150
轮模中心离地面高度mm Die center height from the ground mm	1200	1200	1560
最大弯曲角度 Maximum bending angle	100°	135°	180°
*轮模中心距调节范围mm *Adjustable range of the center distance of the die mm	240 -- 1250	230--2400	285 -- 4760
弯管方向 Bending direction	由上往下 top to bottom	由上往下 top to bottom	由下往上 bottom top
伺服轴数 Number of servo axes	2轴 2 axes	4轴 4 axes	9轴 9 axes
最多可弯曲数量 Maximum number of bends	2弯 2 bends	10弯 10 bends	60弯 60bends
机器尺寸mm Machine size mm	2800*1000*1650	4100*1600*2200	6710*1700*1710
机器重量kg Machine weight kg	1236	3500	5500

带*号项目可根据需求定制 Items marked with * can be customized upon request

双弯机系列
DOUBLE-HEAD TUBE BENDER SERIES

适用于家具、汽车座椅、户外休闲用品等管件弯曲行业
Ideal for Tube Bending in the Furniture and Outdoor Leisure Industries

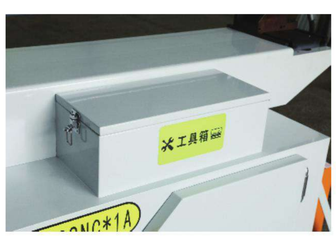


框架结构设计自动上料架，圆方矩椭通用，稳定可靠
Frame Structure Design Automatic Loading Rack, Compatible with Round, Square, Rectangular, and Oval Tubes, Ensuring Stability and Reliability

- 自动上料机5轴伺服，调整方便
- 独创工件两头定位模式，均分锯切长度误差
- 自动上下料弯管，节省人工成本同时减少工伤发生率
- 双行架机械臂效率高，工作节拍10秒/次

- 5-Axis Servo Automatic Loader for Easy Adjustments
- Innovative Dual-End Workpiece Positioning Mode, Minimizing Length Variation in Saw Cutting
- Automatic Loading and Unloading for Tube Bending, Reducing Labor Costs and Lowering the Risk of Workplace Injuries
- Dual-Rack Robotic Arm with High Efficiency, Operating at a Cycle Time of 10 Seconds per Job

伺服单弯机系列
SERVO SINGLE-HEAD TUBE BENDER SERIES



1 机器自带工具箱，使用方便
Built-In Toolbox for Convenient Use

2 可选配分离模功能
Optional Separate Mold Function Available

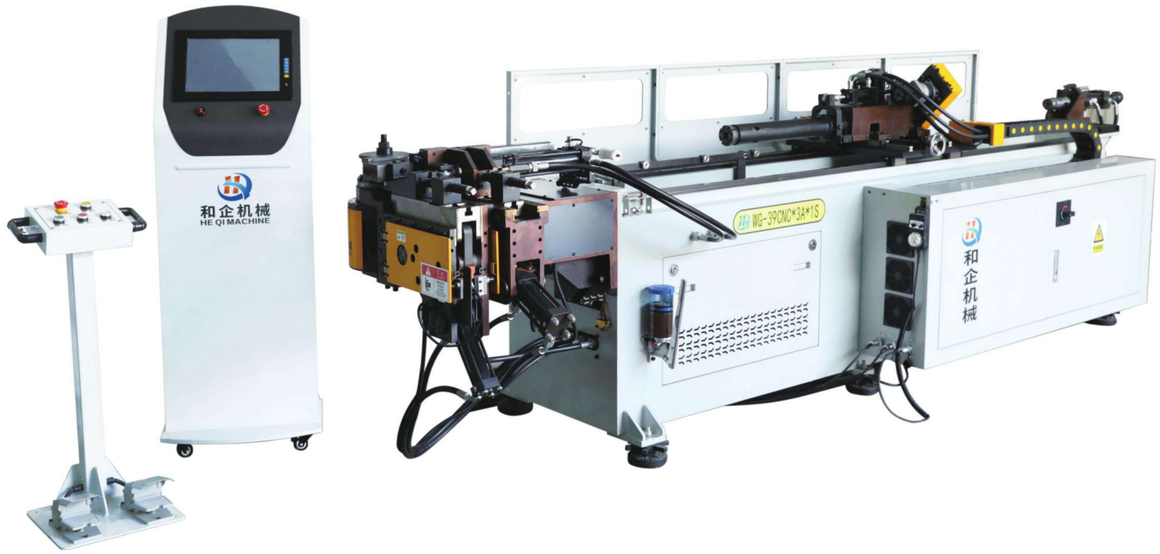
3 弯管臂内外侧均有安全防护板及安全开关
Safety Guard Plates and Safety Switches on Both Inner and Outer Sides of the Bending Arm

主要规格/机型 Main specifications/models	WG-39NC×1A	WG-50NC×1A	WG-66NC×1A
最大弯管能力（CLR1.5D) Maximum bending capacity (CLR1.5D)	Ø38×1.5t	Ø50.8×1.5t	Ø66×2.0t
*最大弯曲半径 mm *Maximum bending radius mm	150	220	250
最大弯曲角度 ° Maximum bending angle °	190	190	190
最大穿芯长度mm Maximum core-piercing length mm	1650	1650	1850
伺服轴数 Number of servo axes	1轴 1-axis	1轴 1-axis	1轴 1-axis
弯管精度 Bending accuracy	±0.1°	±0.1°	±0.1°
机器尺寸mm Machine size mm	2800*1000*1650	2800*1100*	4120*1200*1350
机器重量kg Machine weight kg	1200	1500	2650

带*号项目可根据需求定制 Items marked with * can be customized upon request

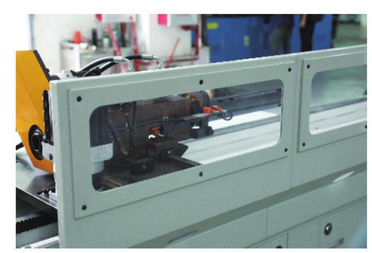
CNC单头弯管机系列
CNC SINGLE-HEAD TUBE BENDER SERIES

适用行业：家具 电瓶车 汽配 五金等行业管件弯曲



主要规格/机型 Main specifications/models		WG-39CNC×3A-1S WG-39CNC×5A-2S-TW	WG-50CNC×3A-1S WG-50CNC×5A-2S-TW	WG-65CNC×3A-1S WG-65CNC×5A-2S-TW	WG-80CNC×3A-1S WG-80CNC×5A-2S-TW
最大弯管能力（CLR1.5D) Maximum bending capacity (CLR1.5D)		Ø38×1.5t	Ø50.8×2.0t	Ø63.5×2.0t	Ø76×2.0t
*最大弯曲半径 *Maximum Bending Radius		150mm	250mm	250mm	250mm
最大弯管角度 Maximum bending angle		190°	190°	190°	190°
*最大穿芯长度 *Maximum core length		2600mm	3200mm	3500mm	5000mm
*最大送料长度/直送 *Maximum feed length/straight feed		2300mm	2500mm 1-axis	2500mm 1-axis	3000mm
工作精度 Working Accuracy	弯管角度 Bend Angle	±0.1°	±0.1°	±0.1°	±0.1°
	倾转角度 Tilt angle	±0.1°	±0.1°	±0.1°	±0.1°
	送料长度 Feed length	±0.1mm	±0.1mm	±0.1mm	±0.1mm
机器尺寸mm Machine size mm		4470*1400*2000	5000*1400*1500	5000*15000*1500	6500*2200*1700
机器重量kg Machine weight kg		1500/2500	3000/3600	3800/4500	7000/8000

带*号项目可根据需求定制 Items marked with * can be customized upon request



1 送料座侧面装有安全防护板
Safety Guard Plate Mounted on the Side of the Feeding Seat

2 送料齿条在两线轨中间受力均衡运行更稳定可靠
Balanced Force Distribution on the Feeding Rack Between Two Linear Guides for More Stable and Reliable Operation

3 可选配冲孔功能
Optional Punching Function Available

柔性自动化连线上料机
FLEXIBLE AUTOMATION LINE LOADER

- 独创激光寻料定位设计
- 将物料车推入寻料区即可实现自动上料，无需人工再次搬运
- 触控屏幕人机对话式操作，所有参数通过屏幕输入，操作简便
- 管件长度300--2000mm轻松切换，输入长度即可到达指定位置
- 上料过程管件之间无摩擦，避免管件表面擦伤
- 焊缝识别功能（色差）

- Innovative Laser Material Positioning Design
- Automatic Loading by Simply Pushing the Material Cart into the Detection Area, No Additional Manual Handling Required
- Touchscreen Interface for Easy Operation, All Parameters Input via Screen
- Seamless Switching for Tube Lengths from 300mm to 2000mm, Simply Enter the Length to Reach the Desired Position
- No Friction Between Tubes During Loading, Preventing Surface Scratches
- Weld Seam Detection Feature (Color Difference)

项目/机型 Project/Model	TS-300*2000L上料机 TS-300*2000L loading machine	项目/机型 Project/Model	TS-300*2000L上料机 TS-300*2000L loading machine
输入电压 Input Voltage	AC380V/3P	上料方式 Feeding method	专用小车推入 Dedicated trolley push-in
额定功率 Rated power	5.5kw	工作节拍 Rhythm of work	6~8s/p 6~8s/p
使用气源 Air source	0.45~0.7mpa	寻料方式 Searching method	激光寻位 Laser position finding
适用材料 Applicable materials	铁管、铝管、不锈钢管 Iron pipe, aluminum pipe, stainless steel pipe	焊缝识别 Welding seam recognition	色标传感器 (适用) Color Sensor (Applicable)
适用管径 Pipe diameter	Φ16~Φ38空心管 Φ16~Φ38 hollow tube	机器尺寸L.W.H(cm) Machine Dimensions L.W.H(cm)	320*170*185
适用管长 Pipe length	300-2000mm	机器重量 Machine weight	≈1020KG

钢刷机/去毛刺机
STEEL BRUSH MACHINE/DEBURRING MACHINE

和企机械
HEKEY MACHINERY

- PLC控制人机对话式操作，操作简单
- 左右钢刷轮可上下左右方向轻松调节，调整部位配有手轮+丝杆
- 翻转式进料设计，实现圆方矩椭360°无死角刷毛刺
- 左右机头移动采用线轨设计，移动更轻松

- PLC-Controlled Touchscreen Interface for Simple Operation
- Easy Adjustment of Left and Right Steel Brush Wheels in All Directions, Featuring Handwheels and Lead Screws for Fine Tuning
- Flip-Feed Design for 360° Burr Removal on Round, Square, Rectangular, and Oval Tubes
- Linear Guide Design for Smooth Movement of Left and Right Heads

规格/型号 Specification/Model			GS-1500L	GS-2000L
移动方式/传送方式 Mode of movement/transmission	手动移动	manual operation		
	适用长度	Applicable length	215-1500MM	300-2000MM
	钢刷片规格	Steel Brush Blade Specifications	Φ250*50*T15*90PCS	Φ250*50*T15*90PCS
适用范围 Scope of application	圆管(mm)	Round tube(mm)	Φ80	Φ80
	方管(mm)	Square tube(mm)	100*100	100*100
	椭圆管(mm)	Oval tube(mm)	依据产品给参数 Parameterized according to product	依据产品给参数 Parameterized according to product
电控 Electric control	人机界面	Human-machine interface	触控屏+PLC Touch Screen + PLC	触控屏+PLC Touch Screen + PLC
	动力电源	Power supply	380V/AC220V/50HZ	380V/AC220V/50HZ
	总功率	Total power	11KW	11KW
机台尺寸/重量 Machine size/weight	长*宽*高(CM)	Length*Width*Height(CM)	330*220*150	390*290*135
	重量(Kg)	Weight(Kg)	≈3100	≈3400

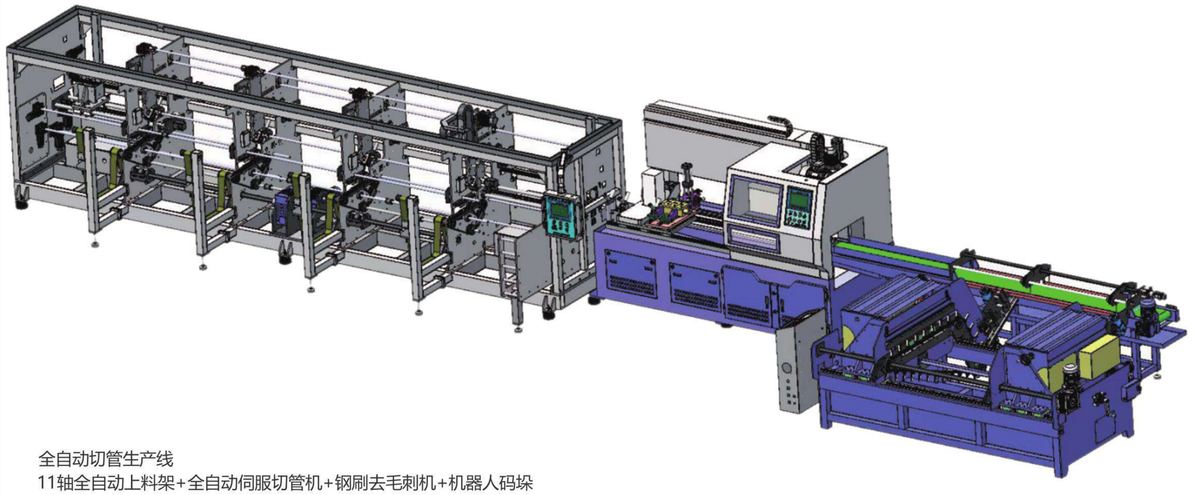
全自动高速精密切管自动生产线

FULLY AUTOMATIC HIGH-SPEED PRECISION TUBE CUTTING PRODUCTION LINE

GQ-78NC

- 独创设计11轴伺服背料架，整捆料上料稳定可靠
- 圆方矩椭形管适用，可实现多支自动上料
- PLC控制人机对话式操作，操作简便
- 可保存不同规格管件参数，不同规格档案实现一键切换，无需人工调节
- 具有原材料自动推齐功能让料头料尾更准确
- 四支管件一起锯切运行更稳定可靠，效率高
- 短料尾功能减少原材料浪费
- 搭配钢刷机及机器人自动码垛，实现自动化生产，降低人工成本
- Innovative 11-Axis Servo Back Feeder, Ensuring Stable and Reliable Loading of Whole Material Bundles
- Compatible with Round, Square, Rectangular, and Oval Tubes, Enabling Automatic Loading of Multiple Tubes
- PLC-Controlled Touchscreen Interface for Easy Operation
- Save Parameters for Different Tube Specifications with One-Click Switching Between Files, No Manual Adjustments Needed
- Automatic Material Pushing Function Ensures Accurate Positioning of Tube Ends
- Simultaneous Cutting of Four Tubes for Increased Stability and High Efficiency
- Short Tube End Function to Minimize Raw Material Waste
- Integrated with Steel Brush Machine and Robotic Palletizing for Full Automation, Reducing Labor Costs

项目/机型 Project/Model		GQ-78NC-2000L(1000L)			
最大锯切能力/适用范围 Maximum sawing capacity/range of application	圆管(mm) Round tube(mm)	Φ15-Φ30 四支,Φ31-Φ50 两支,≤Φ80一支 Φ15-Φ30 four, Φ31-Φ50 two, ≤Φ80 one	输送方式 Conveying method	送料方式/结构 Feeding method/structure	伺服电机+齿轮齿条(研磨) Servo motor + rack and pinion (grinding)
	方管(mm) Square Tube(mm)	15*15-30*30 四支,31-40 两支,≤80*80 一支 15*15-30*30 four, 31-40 two, ≤80*80 one		尾料处理/结构 Tail material handling/structure	伺服电机+滚珠丝杆 Servo motor + ball screw
	矩形管(mm) Rectangular Tube(mm)	10*20-30*40 四支， ≤80 一支 10*20-30*40 four, ≤80 one branch		单次送料行程 Single feeding stroke	50-1500mm/2000mm
	椭圆管(mm) Elliptical tube(mm)	依据产品给参数 According to the product to the parameters		料头长度设定 Head length setting	≥10mm
	厚度范围 Thickness Range	实心棒≤30 Solid bar≤30		料尾长度范围 Tail length range	≥25mm
适用锯片 Applicable saw blades	高速钢(mm) High Speed Steel(mm)	Φ350-Φ250	夹钳方式 Clamping method	送料夹 Feed Clamps	气动大力机械夹 Pneumatic Power Mechanical Clamp
	主轴轴径 Spindle diameter	Φ32		主夹 Main Clamp	伺服电机+齿轮齿条 Servo motor + rack and pinion
	碳化钨锯片 (mm) Tungsten carbide saw blade (mm)	Φ250		尾料处理拉料夹 Tail Handling Pulling Clip	同步气动夹 Synchronized pneumatic clamp
机头 Machine head	冷却润滑 Cooling lubrication	1/4HP水泵冷却 1/4HP water pump cooling	电控 electronically control	动力电源 Power supply	380V
	马达(kw/p) Motor (kw/p)	3.75/4		控制 Controls	网端PLC+14寸触控屏 PLC + 14 inch touch screen on net end
	主轴转速(RPM) Spindle speed (RPM)	110-365		总功率 Total Power	15KW
	进刀方式 Feed mode	伺服进刀+气缸配重 Servo feed + cylinder counterweight	机台尺寸 Machine Size	长*宽高(CM) Length*Width*Height(CM)	1470*220*220
	齿轮箱结构 Gearbox structure	全齿轮结构 Full gear structure	机台重量 Machine weight	Kg	≈3200

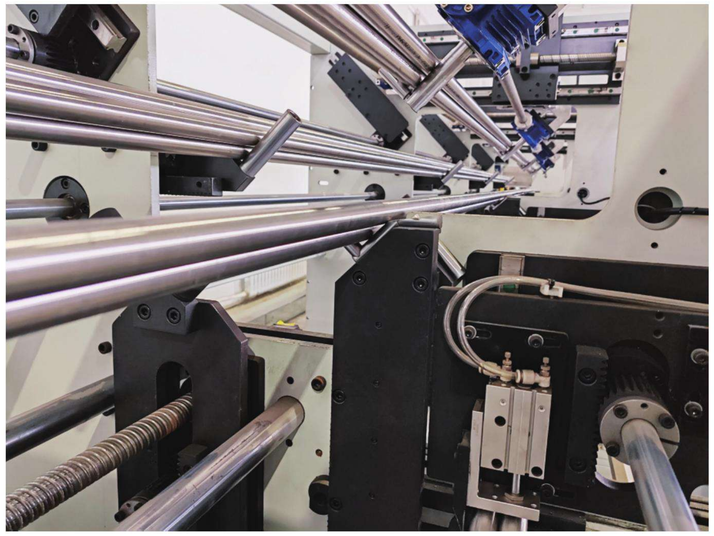


全自动切管生产线

11轴全自动上料架+全自动伺服切管机+钢刷去毛刺机+机器人码垛

Fully Automatic Tube Cutting Production Line

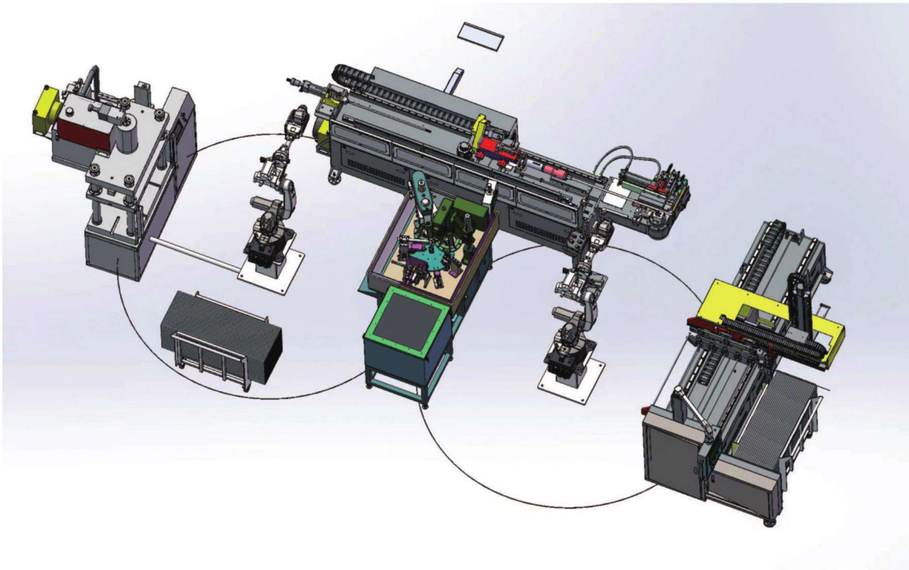
11-Axis Fully Automatic Loader + Fully Automatic Servo Tube Cutting Machine + Steel Brush Deburring Machine + Robotic Palletizing



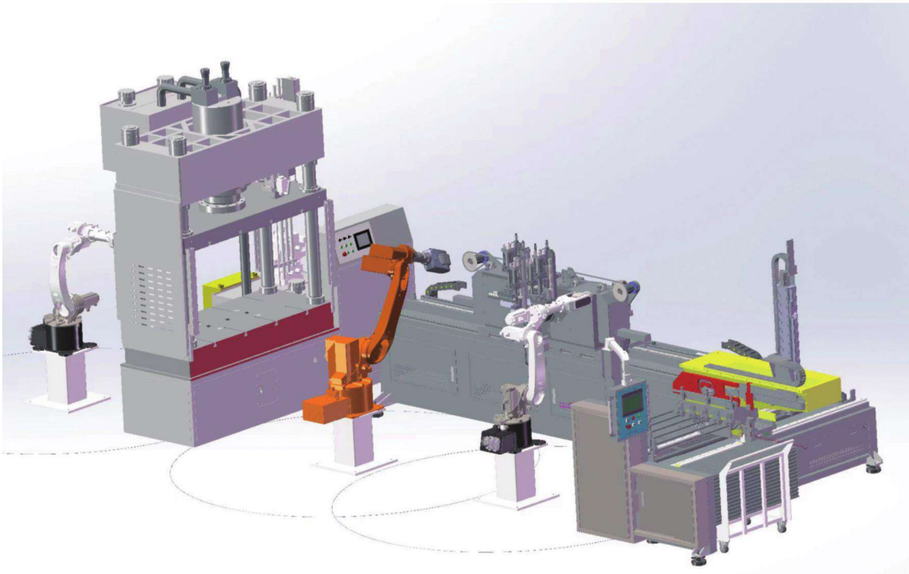
独创上料方式稳定可靠，

上料过程中原材料不易刮伤

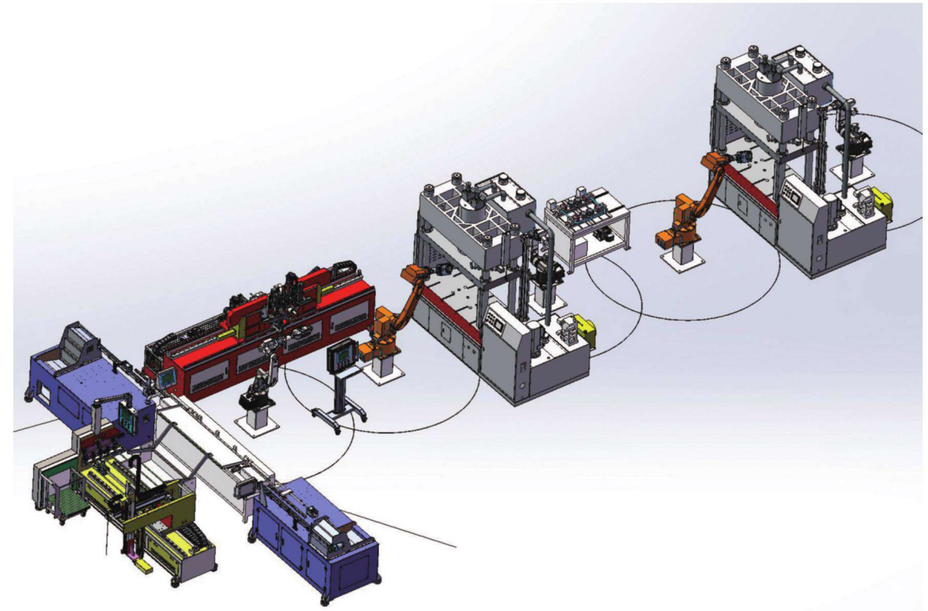
Innovative Loading Method Ensures Stability and Reduces Risk of Material Scratches During Loading



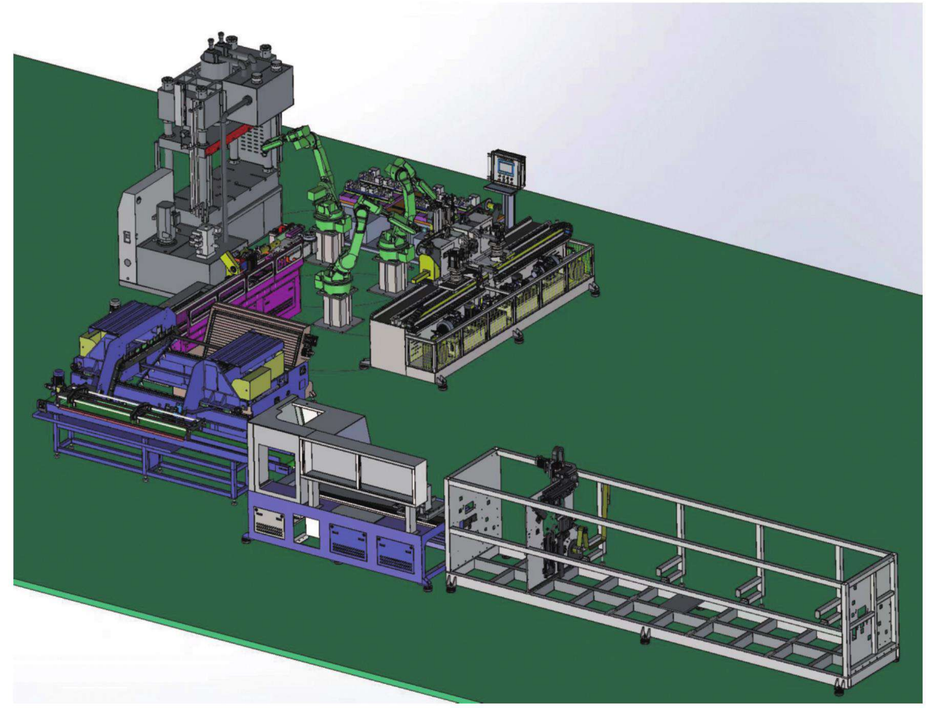
弯管 冲孔 成型自动生产线
设备组成：焊缝识别自动上料机+CNC弯管机+伺服油压机+六轴机械手
Automatic Tube Bending, Punching, and Forming Production Line
Equipment Composition: Weld Seam Detection Automatic Loader + CNC Tube Bender + Servo Hydraulic Press + 6-Axis Robotic Arm



弯管 冲孔 成型自动生产线
设备组成：焊缝识别自动上料机+伺服双弯机+伺服油压机+六轴机械手
Automatic Tube Bending, Punching, and Forming Production Line
Equipment Composition: Weld Seam Detection Automatic Loader + Servo Double Bender + Servo Hydraulic Press + 6-Axis Robotic Arm



自动上料+穿管+弯管+冲孔成型生产线
Automatic Loading + Tube Insertion + Tube Bending + Punching Production Line



全自动切管线+自动弯管产线
Fully Automatic Tube Cutting Line + Automatic Tube Bending Production Line

弯管+成型自动生产单元
BENDING + FORMING AUTOMATIC PRODUCTION UNIT

TS-39NC

- 自动上料→弯管→（缩管+冲孔+压扁）
- 设备组成：自动上料弯管机+6轴机械手+成型机
- 缩管、冲孔、压扁一次成型，效率高
- 自动上下料弯管，节省人工成本同时减少工伤发生率
- Automatic Loading → Bending (Tube Shrinking + Punching + Flattening)
- Equipment Composition: Automatic Loading Tube Bender + 6-Axis Robotic Arm + Forming Machine
- Tube Shrinking, Punching, and Flattening in One Step, High Efficiency
- Automatic Loading and Unloading for Tube Bending, Reducing Labor Costs and Workplace Injury Rates

爬坡式自动上料系统 Inclined Automatic Loading System

主要规格/机型 Main specifications/models	TS-39NC
最大弯管能力（CLR1.5D) Maximum bending capacity (CLR1.5D)	Ø38×1.5t
最大弯曲半径 mm Maximum bending radius mm	150
弯管上料方式 Bend loading method	爬坡式+传输带自动上料 Climbing type + conveyor belt for automatic loading
缩管 冲孔上下料方式 Shrinking Punching loading and unloading method	6轴机械手 6-axis robot
适用管长范围mm Applicable tube length range mm	120--500
工作效率 Efficiency	13秒/件 13 seconds/piece
自动上料弯管机尺寸 Automatic feeding pipe bender size	2650*1400*2100mm
机器重量kg Machine weight kg	1250

和企机械
HEKEY MACHINERY

CORPORATE CULTURE

企业文化
CORPORATE CULTURE

敬畏专业的技术,技术是工业前进的灵魂,更是和企团队的灵魂
Respect for professional technology: Technology is the soul of industrial progress and the soul of the Heqi team

企业愿景
Corporate Vision

与客户共成长，做中国的百年企业
Grow with customers, striving to become a century-old enterprise in China

核心价值观
Core Values

安全、专注品质、服务创新、共赢
Safety, focus on quality, service innovation, and win-win

经营宗旨
Company Mission

以精湛技术和创新工艺,夯实和企品牌,为员工创造更好的发展平台。
With advanced technology and innovative processes, solidify the Heqi brand and create better development opportunities for employees

科技改变生活，
愿我们的付出
让您有更多时间
陪伴家人！

Technology changes lives
—may our efforts give
you more time to spend
with your family