

DFB-008

半自动硬质合金圆棒切断机

Semi-automatic carbide rod cutting machine



设备介绍 Equipment Introduction

半自动硬质合金圆棒切断机

Semi-automatic carbide rod cutting machine

机型小巧，一键启动，快速切断

Compact and flexible equipment body, one button start, quick cut-off

设备特点 Equipment Feature

- 人性化触控控制面板
- 灵活，便捷，一次夹持免重新设置可切外径1~25mm，可对各种棒料和板材进行切断
- 一键启动，切断动作一次循环。
- 极短设置和上手时间
- 切断面无崩缺，掉角，斜口的现象
- Easy Set up control panel
- Flexible, convenient, once clamped without resetting can cut outer diameter Φ 1-25mm, can cut all kinds of bar and plate
- One button start, cut off action in one cycle
- Easy to set up and quick to get start
- There is no phenomenon of collapse, corner drop and oblique opening on the cutting surface.

产品参数 Parameters

设备型号 Equipment Model	DFB-008	电机 Motor	1.5KW 2HP
切断数量 Number Of Cutting ONE	1支 NOE	主轴转速 Spindle speed	3800rpm
最大切割直径 Max cutting diameter	Φ 25mm	砂轮切割片 Cut -Off Wheel	Φ 152x Φ 25.4xH1.0
切割精度 Cutting Accuracy	\pm 0.05mm	外形尺寸 Outside Dimension	1650x1500x950mm
加工范围 Processing Range	Φ 1 ~ Φ 25mm	机器重量 Machine weight	230kg
切料长度 Cutting Length	不限长度 Unlimited length		

DFQ-30NC

全自动硬质合金棒料单槽切断机

Automatic Carbide rod single groove cutting machine



设备介绍 Equipment Introduction

系列全自动硬质合金切断机，专为硬质合金棒料切断研发，共有三款型号，分别为08NC、12NC、30NC，可切外径范围3~40mm，广泛应用于硬质合金行业、硬质合金刀具行业、3C、航天、军工等行业自动化产线中并且提供最优切断加工工艺支持

Series of fully automatic carbide cut-off machine, designed for carbide bar cutting research and development, a total of three models, respectively, 08NC, 12NC, 30NC, can cut the outer diameter range of 3 ~ 40mm, widely used in the carbide industry carbide cutting tool industry, 3C, aerospace, military and other industries in the automation of the production line and to provide the optimal cut-off processing technology support.

设备特点 Equipment Feature

- 整体护罩为灵活敞开式，方便操作和日常维护
- 操作系统智能化，便捷化，加工过程全自动化
- 可任意设置切割长度
- 带自动对刀系统
- 切割面无崩缺，掉角，斜口的现象
- 支持全球无线联网，可24小时远程监控设备
- Flexible, open-ended overall cover for ease of operation and routine maintenance.
- Intelligent and convenient operating system, fully automated process
- Any cutting length can be set
- with automatic tool setting system
- No chipping, cornering, or beveling of cut surfaces
- supports global wireless network

超大兼容性，最大可切 $\Phi 40\text{mm}$
Extra large compatibility, can cut up to $\Phi 40\text{mm}$

产品参数 Parameters

设备型号 Equipment Model	DFQ-30NC	送料行程 Feeding Schedule	480mm	主轴转速 Spindle speed	3800 rpm
切断数量 Number Of Cutting	1支 1pcs	主电机 Main motor	3.7 kW	砂轮切割片 Cutting Wheel	$\Phi 200 \times \Phi 25.4 \times H1.0$
最大切割直径 Max cutting diameter	$\Phi 40\text{mm}$	送料伺服电机 Feeding Servo Motor	400W	装料仓宽度 Rods Hopper Width	400 mm
切割精度 Cutting Accuracy	$\pm 0.05\text{mm}$	切料伺服电机 Cutting Servo Motor	750W	外形尺寸 Outside Dimension	1650x1500 x950mm
加工范围 Processing Range	$\Phi 3 \sim \Phi 40\text{mm}$	移槽伺服电机 Slotting Servo Motor	无伺服电机 No Servo Motor	机器重量 Machine weight	1350kg

DFQ-12NC

全自动硬质合金棒料双槽切断机

Automatic carbide rod double groove cutting machine



设备介绍 Equipment Introduction

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设备特点 Equipment Feature

- 整体护罩为灵活敞开式，方便操作和日常维护
- 操作系统智能化，便捷化，加工过程全自动化
- 可任意设置切割长度
- 带自动对刀系统
- 切割面无崩缺，掉角，斜口的现象
- 支持全球无线联网，可24小时远程监控设备
- Flexible, open-ended overall cover for ease of operation and routine maintenance.
- Intelligent and convenient operating system, fully automated process
- Any cutting length can be set
- with automatic tool setting system
- No chipping, cornering, or beveling of cut surfaces
- supports global wireless networking

高效通用型，同时切断两支，可切断 $\Phi 3 \sim 16\text{mm}$
High-efficiency general-purpose type, cut off 2 rods at the same time, can cut off $\Phi 3 \sim 16\text{mm}$.

产品参数 Parameters

设备型号 Equipment Model	DFQ-12NC	送料行程 Feeding Schedule	480mm	主轴转速 Spindle speed	3800 rpm
切断数量 Number Of Cutting	2支 2pcs	主电机 Main motor	3.7 kW	砂轮切割片 Cutting Wheel	$\Phi 200 \times \Phi 25.4 \times H1.0$
最大切割直径 Max cutting diameter	$\Phi 16\text{mm}$	送料伺服电机 Feeding Servo Motor	400W	装料仓宽度 Rods Hopper Width	400 mm
切割精度 Cutting Accuracy	$\pm 0.05\text{mm}$	切料伺服电机 Cutting Servo Motor	750W	外形尺寸 Outside Dimension	1650x1500 x950mm
加工范围 Processing Range	$\Phi 3 \sim \Phi 16\text{mm}$	移槽伺服电机 Slotting Servo Motor	无伺服电机 No Servo Motor	机器重量 Machine weight	1350kg

DFQ-08NC

全自动硬质合金棒料四槽切断机

Automatic carbide rod four groove cutting machine



设备介绍 Equipment Introduction

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设备特点 Equipment Feature

- 整体护罩为灵活敞开式，方便操作和日常维护
- 操作系统智能化，便捷化，加工过程全自动化
- 可任意设置切割长度
- 带自动对刀系统
- 切割面无崩缺，掉角，斜口的现象
- 支持全球无线联网，可24小时远程监控设备
- Flexible, open-ended overall cover for ease of operation and routine maintenance.
- Intelligent and convenient operating system, fully automated process
- Any cutting length can be set
- with automatic tool setting system
- No chipping, cornering, or beveling of cut surfaces
- supports global wireless networking

全球首创，4支同时切断，可切断 $\Phi 3 \sim 12$

The world's first, 4 rods cut off at the same time, can cut off $\Phi 3 \sim 12$

产品参数 Parameters

设备型号 Equipment Model	DFQ-08NC	送料行程 Feeding Schedule	480mm	主轴转速 Spindle speed	3800 rpm
切断数量 Number Of Cutting	4支 4 pcs	主电机 Main motor	3.7 kW	砂轮切割片 Cutting Wheel	$\Phi 200 \times \Phi 25.4 \times H1.0$
最大切割直径 Max cutting diameter	$\Phi 8 \text{mm}$	送料伺服电机 Feeding Servo Motor	400W	装料仓宽度 Rods Hopper Width	400 mm
切割精度 Cutting Accuracy	$\pm 0.05 \text{mm}$	切料伺服电机 Cutting Servo Motor	750W	外形尺寸 Outside Dimension	1650x1500 x950mm
加工范围 Processing Range	$\Phi 3 \sim \Phi 8 \text{mm}$	移槽伺服电机 Slotting Servo Motor	200W	机器重量 Machine weight	1350kg

DF-GDJ06

滚筒式硬质合金棒倒角机

Roller carbide rod
chamfering machine



设备介绍 Equipment Introduction

该系列产品是一款硬质合金棒材外圆自动倒角磨削的专用机床。该设备适用于小规格硬质合金棒材外圆倒角。蜗轮机构传动带动送料盘旋转，自动送料。通过X轴、Y轴调节位置，工作砂轮成45°角水平于送料盘。胶轮旋转运动与送料盘静止运动之间的作用力带动棒材旋转进行磨削倒角。

This series of products is a special designed machine for automatic chamfering grinding of cemented carbide rods. The equipment is suitable for small size cemented carbide rod round chamfering. The wormgear mechanism drives the feeding disc to rotate and automatically feed. The position is adjusted by X and Y axes and the grinding wheel is horizontal at 45° angle to the feeding plate. The force between the rotating motion of the rubber wheel and the static motion of the feeding disc brings the rod to rotate for grinding chamfering.

设备特点 Equipment Feature

- 3秒一支，超高效率
3 seconds a piece, ultra-high efficiency

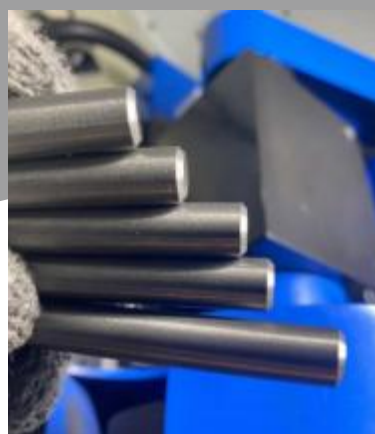
产品参数 Parameters

设备型号 Equipment Model	DF-GDJ04	DF-GDJ06	DF-GDJ08
加工范围 Processing Range	Φ4x40 ~75mm	Φ6x40 ~75mm	Φ8x40 ~75mm
最大磨削直径 Max Grinding Diameter	Φ4mm	Φ6mm	Φ8mm
X轴送料行程 X Feeding Schedule	50mm	50mm	50mm
Y轴送料行程 Y Feeding Schedule	50mm	50mm	50mm
倒角精度 Chamfering Accuracy	±1°/±0.05mm	1°/±0.05mm	1°/±0.05mm
主轴转速 Spindle Speed	1400 rpm	1400 rpm	1400 rpm
外形尺寸 Boundary Dimension	1190x585x1338mm	1190x585x1338mm	1190x585x1338mm
机器重量 Machine Weight	350kg	350kg	350kg

QDJ-20NC

精密筒夹式硬质合金棒倒角机

Precision Collet Carbide rod
Chamfering Machine



设备介绍 Equipment Introduction

该倒角机是专门针对大规格硬质合金棒材外圆倒角磨削而设计的专用机床。该设备利用夹料主轴和前后强力推送的精密空压夹头，将棒材定位并带动旋转。X轴与夹料轴成45°夹角，通过X、Y双轴同步运动，使磨削砂轮完成棒材端部倒角。同时通过自动上料机构同步上料，直线推动已完成的棒材向后出料，从而实现加工过程的全自动化。

The chamfering machine is a special designed machine for cylindrical chamfering grinding of large-sized cemented carbide rods. The equipment uses the clamping spindle and the precision air pressed chuck to push the rod forward and backward to right position and to rotate the rods. The angle between the X axis and the clamping axis is 45°, and the grinding wheel finish chamfering of the rod through the synchronous movement of the X and Y axes. At the same time, through the automatic feeding mechanism, the material is fed synchronously, and the finished rod is pushed back in a straight line, so as to realize the full automation of the processing process.

设备特点 Equipment Feature

- 精密倒角，三轴前定位直线磨削
Precision chamfering, 3-axis front positioning linear grinding

产品参数 Parameters

设备型号 Equipment Model	QDJ-20NC	伺服总功率 Total servo power	5kW
倒角数量 Number of chamfers	1支 1pcs	工作台速度 Table speed	3 ~ 23mm/min
机械性能 Mechanical property	全伺服进给系统、PLC系统 Full servo feed system, PLC system	X轴行走精度 X Travel accuracy	0.02 ~ 0.03mm
送料行程 Feeding schedule	400mm	Y轴进给精度 Y Feed accuracy	0.02 ~ 0.05mm
最大倒角直径 Maximum chamfer diameter	1000*300mm	Z轴行走精度 Z Travel accuracy	0.02 ~ 0.03mm
倒角精度 Chamfering Accuracy	±1°	倒角长度范围 Chamfering length range	50 ~ 120mm
倒角外径范围 Chamfering outer diameter range	Φ8 ~ Φ18 mm	外形尺寸 Boundary Dimension	1750x1500x2200
砂轮外径 Grinding wheel diameter Oil pump motor	Φ200x Φ31.75x20 mm	机器重量 Machine Weight	1350kg
主电机 Main motor	1.5kW		

DF-YN25

内径研磨机

Pressure Wheel Type Internal Grinding Machine



设备介绍 Equipment Introduction

该研磨机机体由底座、中座和三个主要部分组成上座，X、Y轴可左右、前后移动，

中心高度可上下调节。产品夹紧方式为滚轮、压轮，工件采用成型方式磨削砂轮切割和磨削。

The machine body consists of three main parts: the base, the middle seat and the upper seat, and the X and Y axes can be moved left and right, front and back, and the center height can be adjusted up and down. The products are clamped by rollers and pressure wheels, and the workpieces are ground by the way of molding grinding wheels cutting and grinding.

设备特点 Equipment Feature

本机台适用对象：①导套②弹性筒夹③陶瓷导套④陶瓷油嘴内孔⑤相关零件组件微小内孔研磨
Applicable objects of this machine:①Guide sleeve ②Elastic collet ③Ceramic guide sleeve ④Inner hole of ceramic oil nipple ⑤Grinding of small inner hole of related parts and components

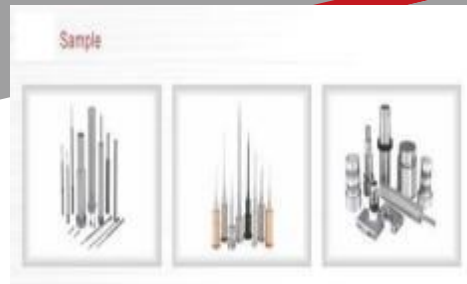
产品参数 Product parameters

project		DF-YM25	DF-YM40
Workpiece diameter that can be clamped		Φ1mm-25mm	Φ1mm-40mm
Maximum stroke	Before and after	40mm	50mm
	about	70mm	100mm
	center	30mm	30mm
working head speed		0-380rpm	0-380rpm
Rotation angle of working head		±5°	±5°
Spindle speed		0-5500rpm	0-5500rpm
Spindle motor		0.75KW 3/4HP	1KW
Mechanical Dimensions		700*600*1600mm	700*800*1700mm
Machine weight(approximately)		270KG	310KG

DF-YM25

外径研磨机

Pressure Wheel Type Outer Grinding Machine



设备介绍 Equipment Introduction

该研磨机机体由底座、中座和三个主要部分组成
上座，X、Y轴可左右、前后移动，

中心高度可上下调节。产品夹紧方式为
滚轮、压轮，工件采用成型方式磨削
砂轮切割和磨削。

The machine body consists of three main parts: the base, the middle seat and the upper seat, and the X and Y axes can be moved left and right, front and back, and the center height can be adjusted up and down. The products are clamped by rollers and pressure wheels, and the workpieces are ground by the way of molding grinding wheels cutting and grinding.

设备特点 Equipment Feature

本机台适用对象：①冲头②顶针筒③刀具段差

④粉末冶金⑤微小心轴⑥相关零组件微小外径研磨

Applicable objects of this machine:①Punch ②

himble cylinder③Tool segment difference ④

Powder metallurgy ⑤Micro mandrel⑥Relevant parts

and components grinding with small outer

diameter

产品参数Product parameters

project		DF-YM25	DF-YM40
Workpiece diameter that can be clamped		Φ1mm-25mm	Φ1mm-40mm
Maximum stroke	Before and after	40mm	50mm
	about	70mm	100mm
	center	25mm	25mm
working head speed		180rpm	0-380rpm
Rotation angle of working head		±5°	±5°
Spindle speed		7500rpm	0-7500rpm
Spindle motor		0.75KW 3/4HP	1KW
Mechanical Dimensions		700*600*1600mm	800*700*1600mm
Machine weight(approuimately)		270KG	310KG