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BEILI

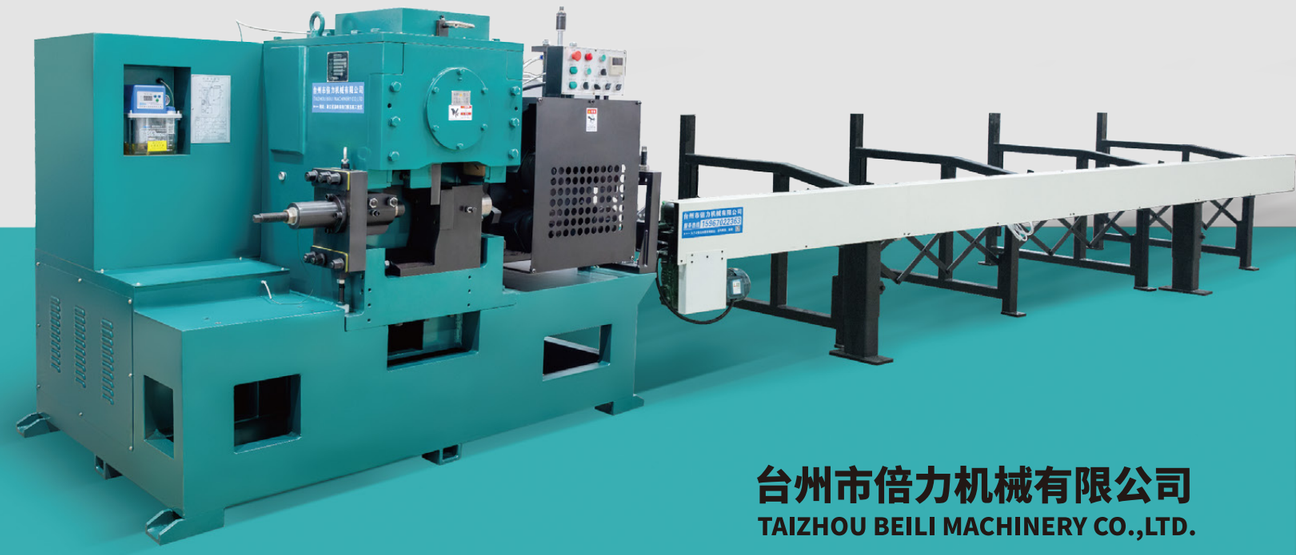
全自动高速圆锯机
全自动圆钢切断机

为客户提供专业解决方案
Specialized solutions
for our customers

AUTO ROUND BAR CUTTER

始于2012
高端圆锯&切断设备制造商
品质为本·创新为魂

Started in 2012
Manufacturer of high-end circular
saws and cutting-off machines
Quality-Innovation



台州市倍力机械有限公司
TAIZHOU BEILI MACHINERY CO.,LTD.

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台州市倍力机械有限公司
TAIZHOU BEILI MACHINERY CO.,LTD.

BEILI
全自动圆钢切断机

权威认证
AUTHORITATIVE CERTIFICATION

台州市倍力机械有限公司
斩获国内多项专利

一种自动化捡料装置
一种调切装置以及切断机切刀
一种上料系统
一种切断装置以及调直机
一种钢筋切断机
一种钳口式定心夹紧装置
一种自动整料装置
一种机械式横切装置
一种运料机构以及上料系统
一种折叠式自动整料装置

…… ……

（篇幅有限不一一展示）

Persist
用创新与专业
持续书写倍力新篇章

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公司简介
COMPANY PROFILE

台州市倍力机械有限公司成立于2012年，作为国家级高新技术企业，公司深耕全自动高速圆锯机与全自动圆钢切断机领域，是一家集设计、开发、制造、销售及服务于一体的创新型企业。

依托深厚研发实力，公司自主开发了全自动圆钢切断机，斩获国内多项专利，产品畅销海外多个国家。自成立起，公司秉持“品质为本”理念，以先进设计思路与严谨管理态度，为客户创造可靠价值。

展望前路，倍力人将以“为客户提供专业解决方案”为使命，持续深耕设备制造领域，用创新与专业为全球客户打造更高效、更优质的机械产品，助力行业发展，书写属于倍力的崭新篇章 。

Taizhou Beili Machinery Co., Ltd., founded in 2012 and recognized as a National High - Tech Enterprise, specializes in fully automatic high - speed circular sawing machines and fully automatic round steel cutting machines. As an innovative enterprise integrating design, development, manufacturing, sales, and service, the company has established deep expertise in its field.

Backed by strong R&D capabilities, Beili has independently developed fully automatic round steel cutting machines, securing multiple national patents. Its products are sold in numerous overseas markets. Since its establishment, the company has adhered to the philosophy of "Quality First," creating reliable value for customers through advanced design concepts and rigorous management practices.

Looking ahead, guided by the mission of "providing professional solutions for customers," Beili people will continue to deepen its focus on equipment manufacturing. Leveraging innovation and professionalism, the company aims to create more efficient and high - quality mechanical products for global clients, driving industry progress and writing a new chapter in Beili's development.

BEILI
全自动圆钢切断机

LYQ-30 全自动圆钢切断机
Fully Automatic Round Bar Cutting Machine

优势

采用全自动送料架，无需人工上料翻料推料，省时省力省成本
加强型齿轮合金钢制作，规范热处理、传动扭矩大
使用合金钢制作曲轴，刚性高、抗疲劳强度大
专业双金属滑动导轨，抗磨损、耐用性好
自动定时定量润滑导轨，断油自动报警
一体化挡料机构设计，使用寿命更长、调整方便
一体式刀座保证持久使用之后也不会塌陷。
使用封闭式齿轮箱，齿轮轴承浸油、润滑可靠
优化的挡料机构使下料重量偏差小、断面平整度高
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Advantage

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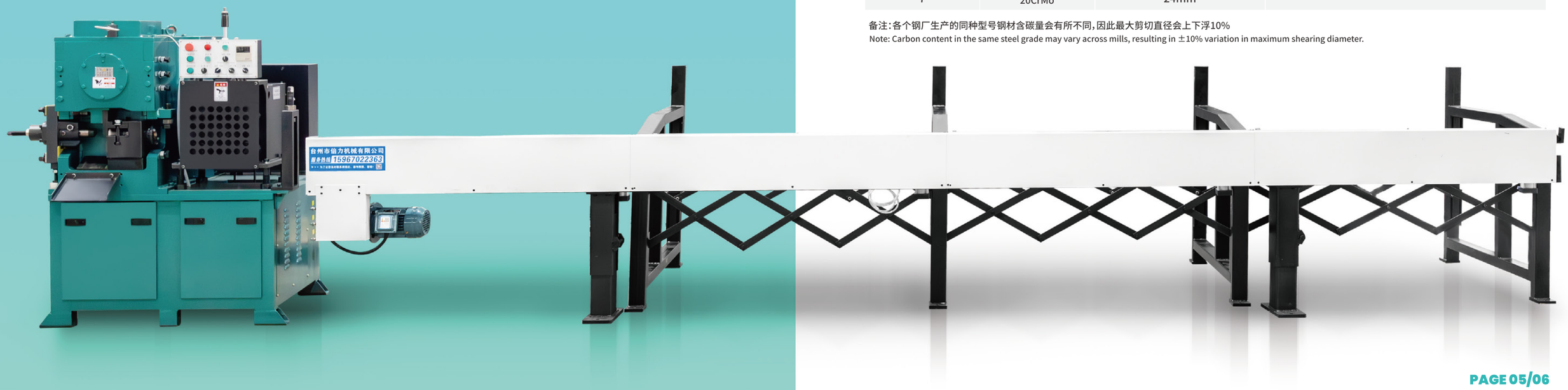

技术参数 Technical Parameters

参数内容 Parameter Content		参数值 Parameter Value	备注 Remarks
型号参数	Model Parameters	LYQ-30	（以45#钢为例）Take 45# steel as an example.
剪切最大直径	Maximum Cutting Diameter	Φ30mm	
最快剪切次数s/min	Maximum Cutting Frequency (times per minute)	65	
剪切长度	Cutting Length	25-300mm	• 剪切长度可咨询厂方定做 • The cutting length can be customized by consulting the manufacturer.
端面圆度	End Face Roundness	0.95	
剪切重量误差	Cutting Weight Tolerance	≤1%总重量 total weight	• 切的重量越重误差越大 • The heavier the cutting weight, the greater the error.
主电机功率kw	Main Motor Power (kW)	3kw	
进料电机kw	Feeding Motor Power (kW)	1.5Kw+0.75kw	
整机重量	Overall Machine Weight	2000kg	
送料架送料速度	Feeding Speed of Material Feeding Frame	250mm/s	

备注：剪切次数跟剪切长度成反比，剪切长度越长，则一分钟剪切速度越慢
Note: Shearing cycles are inversely proportional to material length — longer cuts result in fewer cycles per minute.

切料配置表 Cutting Material Configuration Table

序号 No.	材料 Material	最大下料直径 Maximum Cutting Diameter	备注 Remarks
1	45#	30mm	表中最大切料尺寸为钢材热轧或退火状态下的参考值，如所切材料为冷拉或冷拔状态，则最大切料尺寸向下调整20% The maximum cutting dimensions in the table are reference values for steel in the hot-rolled or annealed state. If the material to be cut is in the cold-drawn or cold-rolled state, the maximum cutting dimensions should be adjusted downward by 20%.
2	Q235	30mm	
3	20Cr	30mm	
4	40Cr	22mm	
5	20CrMnTi	24mm	
6	42CrMo	18mm	
7	20CrMo	24mm	

备注：各个钢厂生产的同种型号钢材含碳量会有所不同，因此最大剪切直径会上下浮10%
Note: Carbon content in the same steel grade may vary across mills, resulting in ±10% variation in maximum shearing diameter.

BEILI
全自动圆钢切断机

LYQ-40 全自动圆钢切断机
Fully Automatic Round Bar Cutting Machine

优势

采用全自动送料架，无需人工上料翻料推料，省时省力省成本
加强型齿轮合金钢制作，规范热处理、传动扭矩大
使用合金钢制作曲轴，刚性高、抗疲劳强度大
专业双金属滑动导轨，抗磨损、耐用性好
自动定时定量润滑导轨，断油自动报警
一体化挡料机构设计，使用寿命更长、调整方便
一体式刀座保证持久使用之后也不会塌陷。
使用封闭式齿轮箱，齿轮轴承浸油、润滑可靠
优化的挡料机构使下料重量偏差小、断面平整度高
智能对中装置全自动驱动圆钢精准对准模腔中心，告别人工校准造成的送料卡料问题

Advantage

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技术参数 Technical Parameters

参数内容 Parameter Content		参数值 Parameter Value	备注 Remarks
型号参数	Model Parameters	LYQ-40	（以45#钢为例）Take 45# steel as an example.
剪切最大直径	Maximum Cutting Diameter	Φ40mm	
最快剪切次数s/min	Maximum Cutting Frequency (times per minute)	60	
剪切长度	Cutting Length	25-350mm	• 剪切长度可咨询厂方定做 • 切的重量越重误差越大 • The cutting length can be customized by consulting the manufacturer. • The heavier the cutting weight, the greater the error.
端面圆度	End Face Roundness	0.95	
剪切重量误差	Cutting Weight Tolerance	≤1%总重量 total weight	
主电机功率kw	Main Motor Power (kW)	5.5kw	
进料电机kw	Feeding Motor Power (kW)	1.5Kw+0.75kw	
整机重量	Overall Machine Weight	2500kg	
送料架送料速度	Feeding Speed of Material Feeding Frame	250mm/s	

备注：剪切次数跟剪切长度成反比，剪切长度越长，则一分钟剪切速度越慢
Note: Shearing cycles are inversely proportional to material length — longer cuts result in fewer cycles per minute.

切料配置表 Cutting Material Configuration Table

序号 No.	材料 Material	最大下料直径 Maximum Cutting Diameter	备注 Remarks
1	45#	40mm	表中最大切料尺寸为钢材热轧或退火状态下的参考值，如所切材料为冷拉或冷拔状态，则最大切料尺寸向下调整20% The maximum cutting dimensions in the table are reference values for steel in the hot-rolled or annealed state. If the material to be cut is in the cold-drawn or cold-rolled state, the maximum cutting dimensions should be adjusted downward by 20%.
2	Q235	40mm	
3	20Cr	40mm	
4	40Cr	28mm	
5	20CrMnTi	30mm	
6	42CrMo	24mm	
7	20CrMo	30mm	

备注：各个钢厂生产的同种型号钢材含碳量会有所不同，因此最大剪切直径会上下浮10%
Note: Carbon content in the same steel grade may vary across mills, resulting in ±10% variation in maximum shearing diameter.

BEILI
全自动圆钢切断机

LYQ-50 全自动圆钢切断机
Fully Automatic Round Bar Cutting Machine

优势

采用全自动送料架，无需人工上料翻料推料，省时省力省成本
加强型齿轮合金钢制作，规范热处理、传动扭矩大
使用合金钢制作曲轴，刚性高、抗疲劳强度大
专业双金属滑动导轨，抗磨损、耐用性好
自动定时定量润滑导轨，断油自动报警
一体化挡料机构设计，使用寿命更长、调整方便
一体式刀座保证持久使用之后也不会塌陷。
使用封闭式齿轮箱，齿轮轴承浸油、润滑可靠
优化的挡料机构使下料重量偏差小、断面平整度高
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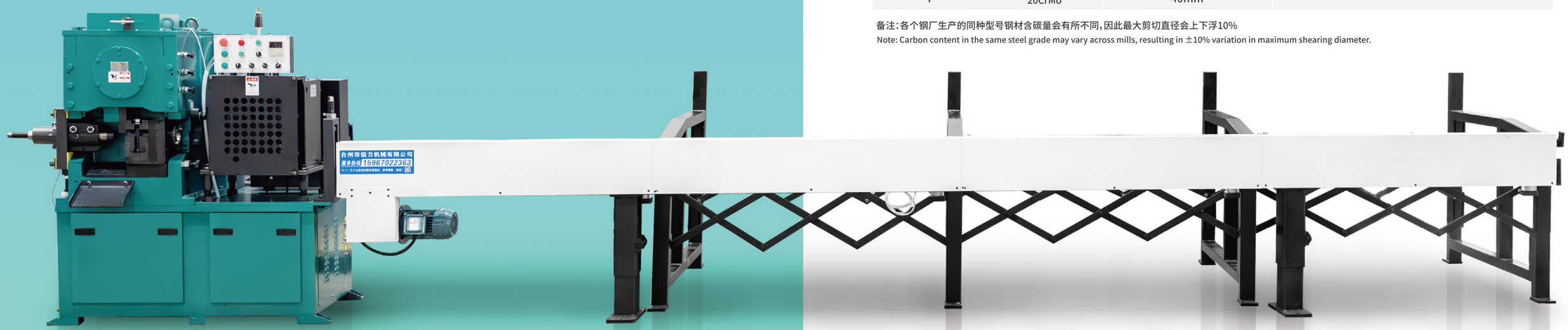

技术参数 Technical Parameters

参数内容 Parameter Content		参数值 Parameter Value	备注 Remarks
型号参数	Model Parameters	LYQ-50	（以45#钢为例）Take 45# steel as an example.
剪切最大直径	Maximum Cutting Diameter	Φ50mm	
最快剪切次数s/min	Maximum Cutting Frequency (times per minute)	50	
剪切长度	Cutting Length	25-350mm	• 剪切长度可咨询厂方定做 • 切的重量越重误差越大 • The cutting length can be customized by consulting the manufacturer. • The heavier the cutting weight, the greater the error.
端面圆度	End Face Roundness	0.95	
剪切重量误差	Cutting Weight Tolerance	≤1%总重量 total weight	
主电机功率kw	Main Motor Power (kW)	7.5kw	
进料电机kw	Feeding Motor Power (kW)	1.5Kw+0.75kw	
整机重量	Overall Machine Weight	3200kg	
送料架送料速度	Feeding Speed of Material Feeding Frame	250mm/s	

备注：剪切次数跟剪切长度成反比，剪切长度越长，则一分钟剪切速度越慢
Note: Shearing cycles are inversely proportional to material length — longer cuts result in fewer cycles per minute.

切料配置表 Cutting Material Configuration Table

序号 No.	材料 Material	最大下料直径 Maximum Cutting Diameter	备注 Remarks
1	45#	50mm	表中最大切料尺寸为钢材热轧或退火状态下的参考值，如所切材料为冷拉或冷拔状态，则最大切料尺寸向下调整20% The maximum cutting dimensions in the table are reference values for steel in the hot-rolled or annealed state. If the material to be cut is in the cold-drawn or cold-rolled state, the maximum cutting dimensions should be adjusted downward by 20%.
2	Q235	50mm	
3	20Cr	50mm	
4	40Cr	38mm	
5	20CrMnTi	40mm	
6	42CrMo	32mm	
7	20CrMo	40mm	

备注：各个钢厂生产的同种型号钢材含碳量会有所不同，因此最大剪切直径会上下浮10%
Note: Carbon content in the same steel grade may vary across mills, resulting in ±10% variation in maximum shearing diameter.

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Fully Automatic Round Bar Cutting Machine

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采用全自动送料架，无需人工上料翻料推料，省时省力省成本
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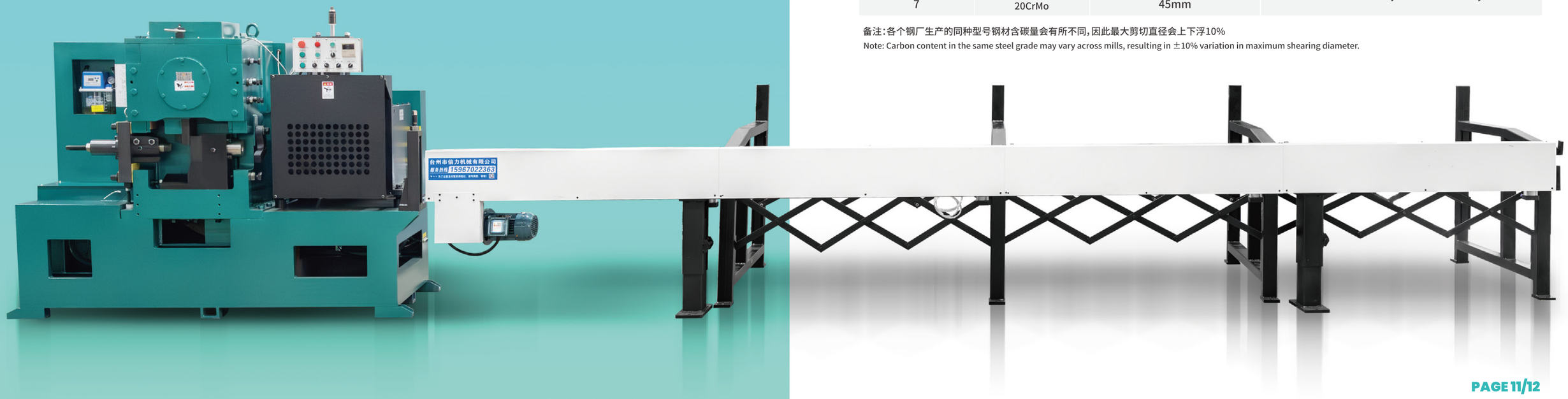

技术参数 Technical Parameters

参数内容 Parameter Content		参数值 Parameter Value	备注 Remarks
型号参数	Model Parameters	LYQ-65	（以45#钢为例）Take 45# steel as an example.
剪切最大直径	Maximum Cutting Diameter	Φ55mm	
最快剪切次数s/min	Maximum Cutting Frequency (times per minute)	32	
剪切长度	Cutting Length	50-300mm	• 剪切长度可咨询厂方定做 • 切的重量越重误差越大 • The cutting length can be customized by consulting the manufacturer. • The heavier the cutting weight, the greater the error.
端面圆度	End Face Roundness	0.95	
剪切重量误差	Cutting Weight Tolerance	≤1%总重量 total weight	
主电机功率kw	Main Motor Power (kW)	11kw	
进料电机kw	Feeding Motor Power (kW)	2.2Kw+1.5kw	
整机重量	Overall Machine Weight	5000kg	
送料架送料速度	Feeding Speed of Material Feeding Frame	250mm/s	

备注：剪切次数跟剪切长度成反比，剪切长度越长，则一分钟剪切速度越慢
Note: Shearing cycles are inversely proportional to material length — longer cuts result in fewer cycles per minute.

切料配置表 Cutting Material Configuration Table

序号 No.	材料 Material	最大下料直径 Maximum Cutting Diameter	备注 Remarks
1	45#	55mm	表中最大切料尺寸为钢材热轧或退火状态下的参考值，如所切材料为冷拉或冷拔状态，则最大切料尺寸向下调整20% The maximum cutting dimensions in the table are reference values for steel in the hot-rolled or annealed state. If the material to be cut is in the cold-drawn or cold-rolled state, the maximum cutting dimensions should be adjusted downward by 20%.
2	Q235	55mm	
3	20Cr	55mm	
4	40Cr	45mm	
5	20CrMnTi	48mm	
6	42CrMo	40mm	
7	20CrMo	45mm	

备注：各个钢厂生产的同种型号钢材含碳量会有所不同，因此最大剪切直径会上下浮10%
Note: Carbon content in the same steel grade may vary across mills, resulting in ±10% variation in maximum shearing diameter.

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全自动圆钢切断机

LYQ-80 全自动圆钢切断机
Fully Automatic Round Bar Cutting Machine

优势

采用全自动送料架，无需人工上料翻料推料，省时省力省成本
加强型齿轮合金钢制作，规范热处理、传动扭矩大
使用合金钢制作曲轴，刚性高、抗疲劳强度大
专业双金属滑动导轨，抗磨损、耐用性好
自动定时定量润滑导轨，断油自动报警
一体化挡料机构设计，使用寿命更长、调整方便
一体式刀座保证持久使用之后也不会塌陷。
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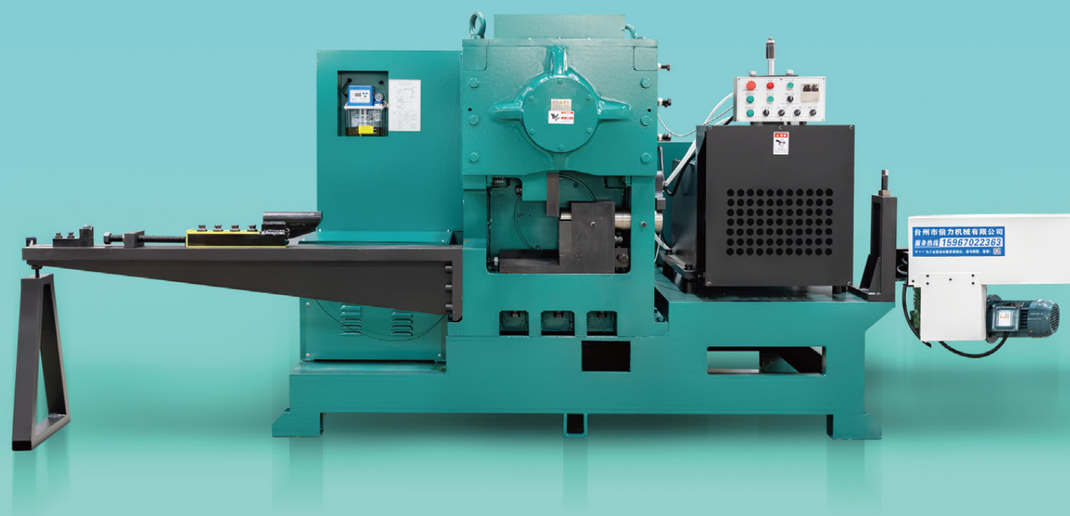
Advantage

Adopt fully automatic feeding frame, no need for manual loading and turning material pushing material, save time, save labor and save cost
Strengthened gear made of alloy steel, standardized heat treatment, transmission torque
Crankshaft made of alloy steel, high rigidity, fatigue strength
Professional bimetallic sliding guide, anti-wear, durability
Automatic timing and quantitative lubrication of the guide, automatic alarm for oil breakage
Integration of the blocking mechanism design, longer service life, easy to adjust
Integration of the knife seat Ensure that it will not collapse even after long-lasting use.
Use of closed gear box, gear bearing oil immersion, reliable lubrication
Optimized blocking mechanism makes the weight of the material deviation is small, section flatness is high
Intelligent centering device automatically drives the round steel to accurately align with the center of the mold cavity, farewell to manual calibration caused by the feeding of material jamming problems



技术参数 Technical Parameters

参数内容 Parameter Content		参数值 Parameter Value	备注 Remarks
型号参数	Model Parameters	LYQ-80	（以45#钢为例）Take 45# steel as an example.
剪切最大直径	Maximum Cutting Diameter	Φ70mm	
最快剪切次数s/min	Maximum Cutting Frequency (times per minute)	22	
剪切长度	Cutting Length	50-300mm	• 剪切长度可咨询厂方定做 • 切的重量越重误差越大 • The cutting length can be customized by consulting the manufacturer. • The heavier the cutting weight, the greater the error.
端面圆度	End Face Roundness	0.95	
剪切重量误差	Cutting Weight Tolerance	≤1%总重量 total weight	
主电机功率kw	Main Motor Power (kW)	22kw	
进料电机kw	Feeding Motor Power (kW)	2.2Kw+1.5kw	
整机重量	Overall Machine Weight	7000kg	
送料架送料速度	Feeding Speed of Material Feeding Frame	250mm/s	

备注：剪切次数跟剪切长度成反比，剪切长度越长，则一分钟剪切速度越慢
Note: Shearing cycles are inversely proportional to material length — longer cuts result in fewer cycles per minute.

切料配置表 Cutting Material Configuration Table

序号 No.	材料 Material	最大下料直径 Maximum Cutting Diameter	备注 Remarks
1	45#	70mm	表中最大切料尺寸为钢材热轧或退火状态下的参考值，如所切材料为冷拉或冷拔状态，则最大切料尺寸向下调整20% The maximum cutting dimensions in the table are reference values for steel in the hot-rolled or annealed state. If the material to be cut is in the cold-drawn or cold-rolled state, the maximum cutting dimensions should be adjusted downward by 20%.
2	Q235	70mm	
3	20Cr	70mm	
4	40Cr	55mm	
5	20CrMnTi	60mm	
6	42CrMo	45mm	
7	20CrMo	60mm	

备注：各个钢厂生产的同种型号钢材含碳量会有所不同，因此最大剪切直径会上下浮10%
Note: Carbon content in the same steel grade may vary across mills, resulting in ±10% variation in maximum shearing diameter.

BEILI
全自动高速圆锯机

JP-70 高速圆锯机
High-Speed Circular Sawing Machine

高效

- 采用日本先进锯切及送料结构设计，实现更快进给与更大扭矩锯切，保证更高切削效率和更好平稳性；
- 采用全自动上料送料结构，实现无人化操作，有效缩减上料时间，节省人工并提升效率；
- 搭配精密圆锯片，锯切时实现高度契合的匹配性，充分发挥锯切效率，大幅提高单位产量。

Efficient

- Advanced Japanese Sawing & Feeding Structure, Enables faster feed rates and higher torque sawing, ensuring superior cutting efficiency and operational stability.
- Fully Automated Loading & Feeding System, Achieves unmanned operation, significantly reducing loading time, labor costs, and boosting overall productivity.
- Precision Circular Saw Blade, Delivers perfect compatibility during cutting, maximizing sawing performance and substantially increasing unit output.

精准

- 丝杠、导轨、伺服电机等关键部件均采用原装进口品牌，保证更高的传动精度和锯切精度。
- 采用自动控制背隙控制器，针对不同材料工件锯切，实现更高锯切精度及圆锯片使用寿命。
- 电气及控制系统采用国际品牌，控制程序软件自主研发，使得操作更加便捷，锯切更加精准。

Precise

- Key components including lead screws, guide rails, and servo motors are all sourced from original imported brands, ensuring higher transmission and sawing precision.
- Automatic backlash controller optimizes cutting processes for different materials, achieving superior sawing accuracy and extending circular saw blade lifespan.
- Electrical & control systems utilize internation-al-brand components, paired with self-devel-oped control software, enabling intuitive operation and pinpoint cutting precision.

稳定

- 床身采用有限元分析，锯切时受力更加均匀，使得各工序运作时更加平稳，设备精度保持性更加长久。
- 设备各部件均采用世界知名品牌，最大程度的减少故障率，使得设备运行更加安全稳定。
- 锯切进给系统采用的是独特的导轨丝杠传动结构，使得锯切时承受力更大，抖动更小，产品加工更加稳定。

Stable

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技术参数 Technical Parameters

锯切能力 Sawing Capacity	●，○ (mm)	10~75 ，壁厚＞3 10~75 ， Wall Thickness: >3 mm
	■，□ (mm)	10~60 ，壁厚＞3 10~60 ， Wall Thickness: >3 mm
主轴 Spindle	圆锯片规格（mm） Circular saw blade specifications (mm)	ф285 x ф32
	转速 (rpm) Rotation speed (rpm)	20～170
	主马达功率（Kw） Main motor power (Kw)	7.5KW/4 或者5.5KW/6 7.5KW/4 or .5KW/6
	进给方式 Feeding method	伺服马达，精密滚珠丝杆 Servo motor，Precision ball screw
	进给马达功率（Kw） Feeding motor power (Kw)	1
	消隙装置 Clearance elimination device	高可靠长寿命刹车方式 High-reliability and long-life braking mode
	圆锯片清屑 Circular saw blade chip removal	被动型钢丝刷 Passive wire brush
送料 Material feeding	驱动方式 Driving method	伺服马达，精密滚珠丝杆 Servo motor，Precision ball screw
	送料长度 (mm) Feeding length (mm)	单次最大500；多次最大9999 Single maximum: 500 ; Multiple maximum: 9999
	端切长度 (mm) End cutting length (mm)	最大200 Maximum: 200
	马达功率（Kw） Motor power (Kw)	1.0
料架 Material rack	料架长度 (mm) Material rack length (mm)	2000~6000
	储料区宽度 (mm) Material storage area width (mm)	1400 （3000KG)
	拨料方式 Material dialing method	自动液压拨料 Automatic hydraulic material feeding
液压系统 Hydraulic system	油压马达功率（Kw） Hydraulic motor power (Kw)	1.5-4P，系统压力7Mpa 1.5-4P, system pressure 7MPa
	油箱容量 （L） Oil tank capacity (L)	90
外形尺寸（mm） Overall dimensions (mm)		1450(W)×1700(H)×1800(L)

BEILI
全自动高速圆锯机

F-80 高速圆锯机
High-Speed Circular Sawing Machine

高效

- 采用日本先进锯切及送料结构设计，实现更快进给与更大扭矩锯切，保证更高切削效率和更好平稳性；
- 采用全自动上料送料结构，实现无人化操作，有效缩减上料时间，节省人工并提升效率；
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- 采用自动控制背隙控制器，针对不同材料工件锯切，实现更高锯切精度及圆锯片使用寿命。
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技术参数 Technical Parameters

锯切能力 Sawing Capacity	●，○ (mm)	10~80 ，壁厚＞3 10~80 ， Wall Thickness: >3 mm
	■，□ (mm)	10~80 ，壁厚＞3 10~70 ， Wall Thickness: >3 mm
主轴 Spindle	圆锯片规格（mm） Circular saw blade specifications (mm)	ф300 x ф32
	转速 (rpm) Rotation speed (rpm)	20～170
	主马达功率（Kw） Main motor power (Kw)	7.5KW/1500转或者5.5/1000转 7.5KW/1500rpm or 5.5KW/1000rpm
	进给方式 Feeding method	伺服马达，精密滚珠丝杆 Servo motor，Precision ball screw
	进给马达功率（Kw） Feeding motor power (Kw)	1.5
	消隙装置 Clearance elimination device	高可靠长寿命刹车方式 High-reliability and long-life braking mode
	圆锯片清屑 Circular saw blade chip removal	被动型钢丝刷 Passive wire brush
送料 Material feeding	驱动方式 Driving method	伺服马达，精密滚珠丝杆 Servo motor，Precision ball screw
	送料长度 (mm) Feeding length (mm)	单次最大800；多次最大9999 Single maximum: 800 ; Multiple maximum: 9999
	端切长度 (mm) End cutting length (mm)	最大200 Maximum: 200
	马达功率（Kw） Motor power (Kw)	1.0
料架 Material rack	料架长度 (mm) Material rack length (mm)	6米，可放7米材料长度 6 meters, can accommodate materials with a length of 7 meters
	储料区宽度 (mm) Material storage area width (mm)	1400 （3000KG)
	拨料方式 Material dialing method	自动液压拨料 Automatic hydraulic material feeding
液压系统 Hydraulic system	油压马达功率（Kw） Hydraulic motor power (Kw)	1.5-4P，系统压力7Mpa 1.5-4P, system pressure 7MPa
	油箱容量 （L） Oil tank capacity (L)	90
外形尺寸（mm） Overall dimensions (mm)		1760(W)×1853(H)×2100(L)机床重量2.5吨 1760(W)×1853(H)×2100(L), machine tool weight: 2.5 tons

BEILI
全自动高速圆锯机

F-100 高速圆锯机
High-Speed Circular Sawing Machine

高效

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精准

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- 采用自动控制背隙控制器，针对不同材料工件锯切，实现更高锯切精度及圆锯片使用寿命。
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技术参数 Technical Parameters

锯切能力 Sawing Capacity	●，○ (mm)	15~100，壁厚＞3 15~100， Wall Thickness: >3 mm
	■，□ (mm)	10~80，壁厚＞3 10~80， Wall Thickness: >3 mm
主轴 Spindle	圆锯片规格（mm） Circular saw blade specifications (mm)	ф360 x ф50
	转速 (rpm) Rotation speed (rpm)	20～170
	主马达功率（Kw） Main motor power (Kw)	11KW/1500转或者7.5/960转 11KW/1500rpm or 7.5KW/960rpm
	进给方式 Feeding method	伺服马达，精密滚珠丝杆 Servo motor，Precision ball screw
	进给马达功率（Kw） Feeding motor power (Kw)	1.8
	消隙装置 Clearance elimination device	高可靠长寿命刹车方式 High-reliability and long-life braking mode
	圆锯片清屑 Circular saw blade chip removal	被动型钢丝刷 Passive wire brush
送料 Material feeding	驱动方式 Driving method	伺服马达，精密滚珠丝杆 Servo motor，Precision ball screw
	送料长度 (mm) Feeding length (mm)	单次最大800；多次最大9999 Single maximum: 800；Multiple maximum: 9999
	端切长度 (mm) End cutting length (mm)	最大200 Maximum: 200
	马达功率（Kw） Motor power (Kw)	1.5
料架 Material rack	料架长度 (mm) Material rack length (mm)	6米，可放7米材料长度 6 meters, can accommodate materials with a length of 7 meters
	储料区宽度 (mm) Material storage area width (mm)	1400 （5000KG）
	拨料方式 Material dialing method	自动液压拨料 Automatic hydraulic material feeding
液压系统 Hydraulic system	油压马达功率（Kw） Hydraulic motor power (Kw)	1.5-4P，系统压力7Mpa 1.5-4P, system pressure 7MPa
	油箱容量 （L） Oil tank capacity (L)	90
外形尺寸（mm） Overall dimensions (mm)		1760(W)×1853(H)×2100(L)机床重量2.8吨 1760(W)×1853(H)×2100(L), machine tool weight: 2.8 tons

BEILI
全自动高速圆锯机

F-120 高速圆锯机
High-Speed Circular Sawing Machine

高效

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- 采用自动控制背隙控制器，针对不同材料工件锯切，实现更高锯切精度及圆锯片使用寿命。
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技术参数 Technical Parameters

锯切能力 Sawing Capacity	●，○ (mm)	15~120，壁厚＞3 15~120， Wall Thickness: >3 mm
	■，□ (mm)	15~100，壁厚＞3 15~100， Wall Thickness: >3 mm
主轴 Spindle	圆锯片规格（mm） Circular saw blade specifications (mm)	ф380 x ф50
	转速 (rpm) Rotation speed (rpm)	20～170
	主马达功率（Kw） Main motor power (Kw)	15KW/4 或者11KW/6 15KW/4 or 11KW/6
	进给方式 Feeding method	伺服马达，精密滚珠丝杆 Servo motor，Precision ball screw
	进给马达功率（Kw） Feeding motor power (Kw)	2.8
	消隙装置 Clearance elimination device	高可靠长寿命刹车方式 High-reliability and long-life braking mode
	圆锯片清屑 Circular saw blade chip removal	被动型钢丝刷 Passive wire brush
送料 Material feeding	驱动方式 Driving method	伺服马达，精密滚珠丝杆 Servo motor，Precision ball screw
	送料长度 (mm) Feeding length (mm)	单次最大800；多次最大9999 Single maximum: 800；Multiple maximum: 9999
	端切长度 (mm) End cutting length (mm)	最大200 Maximum: 200
	马达功率（Kw） Motor power (Kw)	2
料架 Material rack	料架长度 (mm) Material rack length (mm)	6米 6 meters
	储料区宽度 (mm) Material storage area width (mm)	1400 （5000KG）
	拨料方式 Material dialing method	自动液压拨料 Automatic hydraulic material feeding
液压系统 Hydraulic system	油压马达功率（Kw） Hydraulic motor power (Kw)	2.2-4P，系统压力7Mpa 2.2-4P, system pressure 7MPa
	油箱容量 （L） Oil tank capacity (L)	90
外形尺寸（mm） Overall dimensions (mm)		1760(W)×1853(H)×2100(L)

BEILI
全自动高速圆锯机

F-150 高速圆锯机
High-Speed Circular Sawing Machine

高效

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- 丝杠、导轨、伺服电机等关键部件均采用原装进口品牌，保证更高的传动精度和锯切精度。
- 采用自动控制背隙控制器，针对不同材料工件锯切，实现更高锯切精度及圆锯片使用寿命。
- 电气及控制系统采用国际品牌，控制程序软件自主研发，使得操作更加便捷，锯切更加精准。

Precise

- Key components including lead screws, guide rails, and servo motors are all sourced from original imported brands, ensuring higher transmission and sawing precision.
- Automatic backlash controller optimizes cutting processes for different materials, achieving superior sawing accuracy and extending circular saw blade lifespan.
- Electrical & control systems utilize internation-al-brand components, paired with self-devel-oped control software, enabling intuitive operation and pinpoint cutting precision.

稳定

- 床身采用有限元分析，锯切时受力更加均匀，使得各工序运作时更加平稳，设备精度保持性更加长久。
- 设备各部件均采用世界知名品牌，最大程度的减少故障率，使得设备运行更加安全稳定。
- 锯切进给系统采用的是独特的导轨丝杠传动结构，使得锯切时承受力更大，抖动更小，产品加工更加稳定。

Stable

- Bed Structure with Finite Element Analysis (FEA), Ensures uniform stress distribution during sawing, enabling smoother operation across all processes and long-term precision retention.
- All parts of the machine are made of world famous brands, which minimize the failure rate and make the machine run more safely and stably.
- The sawing feed system adopts a unique guide rail screw drive structure, which makes the sawing force greater, less jitter, more stable product processing.

技术参数 Technical Parameters

锯切能力 Sawing Capacity	●，○ (mm)	50~150，壁厚＞3 50~150， Wall Thickness: >3 mm
	■，□ (mm)	45~140，壁厚＞3 45~140， Wall Thickness: >3 mm
主轴 Spindle	圆锯片规格（mm） Circular saw blade specifications (mm)	ф460 x ф50
	转速 (rpm) Rotation speed (rpm)	20～170
	主马达功率（Kw） Main motor power (Kw)	15KW/6 或者18KW/4 15KW/6 or 18KW/4
	进给方式 Feeding method	伺服马达，精密滚珠丝杆 Servo motor，Precision ball screw
	进给马达功率（Kw） Feeding motor power (Kw)	4
	消隙装置 Clearance elimination device	高可靠长寿命刹车方式 High-reliability and long-life braking mode
	圆锯片清屑 Circular saw blade chip removal	被动型钢丝刷 Passive wire brush
送料 Material feeding	驱动方式 Driving method	伺服马达，精密滚珠丝杆 Servo motor，Precision ball screw
	送料长度 (mm) Feeding length (mm)	单次最大800；多次最大9999 Single maximum: 800；Multiple maximum: 9999
	端切长度 (mm) End cutting length (mm)	最大200 Maximum: 200
	马达功率（Kw） Motor power (Kw)	3
料架 Material rack	料架长度 (mm) Material rack length (mm)	6米 6 meters
	储料区宽度 (mm) Material storage area width (mm)	1400 （6000KG)
	拨料方式 Material dialing method	自动液压拨料 Automatic hydraulic material feeding
液压系统 Hydraulic system	油压马达功率（Kw） Hydraulic motor power (Kw)	2.2-4P，系统压力7Mpa 2.2-4P, system pressure 7MPa
	油箱容量 （L） Oil tank capacity (L)	90
外形尺寸（mm） Overall dimensions (mm)		1860(W)×1853(H)×2600(L)

BEILI
圆钢调直切断机

台州市倍力机械有限公司
TAIZHOU BEILI MACHINERY CO.,LTD.

优势

高效作业：可一次性完成圆钢的调直与切断，大幅提升加工效率，减少人工操作步骤。
精度保障：能精准控制圆钢的直线度和切断长度，满足不同加工场景的精度要求。
操作简便：设备操作流程相对简单，操作人员经简单培训即可上手，降低人力成本。
适用范围广：可处理不同直径的圆钢，适应多种规格的原材料加工需求。
维护简单：液压元件密封性好，维护周期长（通常每5000小时更换液压油），日常保养简单，减少停机检修时间
运行平稳，设备损耗低：液压传动过程无冲击，振动和噪音小，相比机械齿轮传动更安静，且减少设备各部件的磨损，延长液压泵、模具等核心部件的使用寿命。
安全可靠：设备配备过载保护、急停按钮等安全装置，液压系统泄漏风险低，操作更安全可靠，符合工业生产安全标准。

Advantage

Efficient Operation: Can complete straightening and cutting of round steel in one go, significantly improving processing efficiency and reducing manual operation steps.
Precision Assurance: Accurately controls the straightness of round steel and cutting length, meeting precision requirements for different processing scenarios.
Easy Operation: The equipment features a simple operation process—operators can get started after basic training, reducing labor costs.
Wide Application Range: Capable of processing round steel with different diameters, adapting to raw material processing needs of various specifications.
Simple Maintenance: Hydraulic components have good sealing performance, with a long maintenance cycle (typically replace hydraulic oil every 5,000 hours). Daily maintenance is simple, minimizing downtime for repairs.
Stable Operation & Low Equipment Wear: Hydraulic drive operates without impact, resulting in minimal vibration and noise. Compared to mechanical gear transmission, it is quieter and reduces wear on all equipment components, extending the service life of core parts such as hydraulic pumps and molds.
Safe & Reliable: Equipped with safety devices like overload protection and emergency stop buttons. The hydraulic system has a low risk of leakage, ensuring safer operation that complies with industrial production safety standards.

YTQ-18 圆钢调直切断机
Round Steel Straightening and Cutting Machine

技术参数 Technical Parameters

参数内容 Parameter Content		参数值 Parameter Value	备注 Remarks
型号参数	Model Parameters	YTQ-18	（以45#钢为例）Take 45# steel as an example.
剪切最大直径	Maximum Cutting Diameter	Φ18mm	
最快剪切次数s/min	Maximum Cutting Frequency (times per minute)	50	
剪切长度	Cutting Length	25-300mm	• 剪切长度可咨询厂方定做 • The cutting length can be customized by consulting the manufacturer.
端面圆度	End Face Roundness	0.95	
剪切重量误差	Cutting Weight Tolerance	≤1%总重量 total weight	• 切的重量越重误差越大 • The heavier the cutting weight, the greater the error.
主电机功率kw	Main Motor Power (kW)	7.5kw	
进料电机kw	Feeding Motor Power (kW)	15Kw	
整机重量	Overall Machine Weight	1800kg	
送料架送料速度	Feeding Speed of Material Feeding Frame	250mm/s	

备注：剪切次数跟剪切长度成反比，剪切长度越长，则一分钟剪切速度越慢
Note: Shearing cycles are inversely proportional to material length — longer cuts result in fewer cycles per minute.

切料配置表 Cutting Material Configuration Table

序号 No.	材料 Material	最大下料直径 Maximum Cutting Diameter
1	45#	18mm
2	Q235	18mm
3	20Cr	18mm
4	40Cr	16mm
5	20CrMnTi	18mm
6	42CrMo	16mm
7	20CrMo	18mm

优势

高效作业：可一次性完成圆钢的调直与切断，大幅提升加工效率，减少人工操作步骤。
精度保障：能精准控制圆钢的直线度和切断长度，满足不同加工场景的精度要求。
操作简便：设备操作流程相对简单，操作人员经简单培训即可上手，降低人力成本。
适用范围广：可处理不同直径的圆钢，适应多种规格的原材料加工需求。
维护简单：液压元件密封性好，维护周期长（通常每5000小时更换液压油），日常保养简单，减少停机检修时间
运行平稳，设备损耗低：液压传动过程无冲击，振动和噪音小，相比机械齿轮传动更安静，且减少设备各部件的磨损，延长液压泵、模具等核心部件的使用寿命。
安全可靠：设备配备过载保护、急停按钮等安全装置，液压系统泄漏风险低，操作更安全可靠，符合工业生产安全标准。

Advantage

Efficient Operation: Can complete straightening and cutting of round steel in one go, significantly improving processing efficiency and reducing manual operation steps.
Precision Assurance: Accurately controls the straightness of round steel and cutting length, meeting precision requirements for different processing scenarios.
Easy Operation: The equipment features a simple operation process—operators can get started after basic training, reducing labor costs.
Wide Application Range: Capable of processing round steel with different diameters, adapting to raw material processing needs of various specifications.
Simple Maintenance: Hydraulic components have good sealing performance, with a long maintenance cycle (typically replace hydraulic oil every 5,000 hours). Daily maintenance is simple, minimizing downtime for repairs.
Stable Operation & Low Equipment Wear: Hydraulic drive operates without impact, resulting in minimal vibration and noise. Compared to mechanical gear transmission, it is quieter and reduces wear on all equipment components, extending the service life of core parts such as hydraulic pumps and molds.
Safe & Reliable: Equipped with safety devices like overload protection and emergency stop buttons. The hydraulic system has a low risk of leakage, ensuring safer operation that complies with industrial production safety standards.

YTQ-25 圆钢调直切断机
Round Steel Straightening and Cutting Machine

技术参数 Technical Parameters

参数内容 Parameter Content		参数值 Parameter Value	备注 Remarks
型号参数	Model Parameters	YTQ-25	（以45#钢为例）Take 45# steel as an example.
剪切最大直径	Maximum Cutting Diameter	Φ25mm	
最快剪切次数s/min	Maximum Cutting Frequency (times per minute)	50	
剪切长度	Cutting Length	25-350mm	• 剪切长度可咨询厂方定做
端面圆度	End Face Roundness	0.95	• 切的重量越重误差越大
剪切重量误差	Cutting Weight Tolerance	≤1%总重量 total weight	• The cutting length can be customized by consulting the manufacturer.
主电机功率kw	Main Motor Power (kW)	15kw	• The heavier the cutting weight, the greater the error.
进料电机kw	Feeding Motor Power (kW)	45Kw	
整机重量	Overall Machine Weight	2500kg	
送料架送料速度	Feeding Speed of Material Feeding Frame	250mm/s	

备注：剪切次数跟剪切长度成反比，剪切长度越长，则一分钟剪切速度越慢
Note: Shearing cycles are inversely proportional to material length — longer cuts result in fewer cycles per minute.

切料配置表 Cutting Material Configuration Table

序号 No.	材料 Material	最大下料直径 Maximum Cutting Diameter
1	45#	25mm
2	Q235	25mm
3	20Cr	25mm
4	40Cr	22mm
5	20CrMnTi	25mm
6	42CrMo	20mm
7	20CrMo	25mm

高速圆锯机截断产品
High-speed circular saw machine cuts off products

圆钢切断机截断产品
Products Cut by Round Steel Cutting Machine