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COGENTECH INTERNATIONAL LTD.
SHANDONG COGENTECH DEBURRING MACHINE MANUFACTURING CO.,LTD.

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Cogentech International Ltd.
Shandong Cogentech Deburring Machine Manufacturing Co.,Ltd.

Company Profile

山东辰鸣去毛刺机生产工厂（青岛）是一家国家级高新技术企业，拥有60多项国内外专利，集研发、制造、销售、售后服务一体专业定制高端专用机床的公司。工厂占地面积20000平方米，员工80余人。拥有多台高精度机加工设备，机器人自动化焊接设备和精密检测仪器。

我们拥有业内领先的金属表面研磨技术和强大的制造能力，在砂光、打磨、去渣、去毛刺、拉丝、抛光、自动化上下料等方面均取得了多项成果。

我们的产品主要用于毛刺去除（对激光切割、剪板下料、冲压下料、水刀切割、等离子切割等工件表面预磨、拉丝、抛光、去划伤、去毛刺、倒角倒钝等加工。对工件棱边、孔洞进行去毛刺处理，使工件表面一致，所有棱边孔洞达到均匀的R弧），表面抛光，圆边倒角，精密研磨，去渣倒角，去氧化皮等等。广泛应用于钣金行业，航空航天，通讯电子，轨道交通，新能源，重工机械，精密加工，医疗器械，汽车零部件等行业。

通过我们优质的机械和无与伦比的服务，提升您的金属加工操作。与我们合作，实现精准、高效和持久的成功。



Cogentech International Ltd.'s deburring machine manufacturing factory (Qingdao) is a national high-tech enterprise with more than 60 domestic and foreign patents. It is a company that integrates research and development, manufacturing, sales, and after-sales service, and specializes in customizing high-end special deburring machines. The factory covers an area of 20,000 square meters and has more than 80 employees. It is equipped with multiple high-precision machining equipment, robotic automated welding equipment, and precision testing instruments.

We possess industry-leading metal surface grinding technology and strong manufacturing capabilities, and have achieved numerous results in aspects such as sanding, grinding, dross removal, deburring, wire drawing, polishing, automated loading and unloading, etc.

Our products are mainly used for deburring (pre-grinding, wire drawing, polishing, scratch removal, deburring, chamfering and edge rounding of the surface of workpieces processed by laser cutting, plate shearing and blanking, stamping and blanking, waterjet cutting, plasma cutting, etc. Deburring of the edges and holes of workpieces to make the surface of the workpieces uniform, and all edges and holes achieve a uniform R arc), surface polishing, round edge chamfering, precision grinding, dross removal and chamfering, removal of oxide scale, etc. They are widely applied in industries such as sheet metal, aerospace, communication electronics, rail transit, new energy, heavy-duty machinery, precision machining, medical devices, automotive parts, etc.

Elevate your metalworking operations with our premium machinery and unrivaled service. Partner with us to achieve precision, efficiency, and lasting success.

Advanced manufacturing platform, Complete quality management!



Cogentech – your best partner for the deburring machine industries!



The global leader in the manufacturing of deburring machines!



CTP-RP 中薄板去毛刺机系列

CTP-RP Medium sheet deburring machine series



RP系列的设备特点

通过式加工，取代低效人工打磨工作稳定可靠的 专利砂带控制技术一次进料完成去毛刺、倒角工作操作便捷、直观、设备内置LED光源真空式输送平台，可加工小工件柔性打磨，不伤工件表面选配湿式集尘器，工作时吸走粉尘。

RP series equipment characteristics

Through type machining, instead of inefficient manual grinding work Stable and reliable cogentech patented sand belt control technology One feed to complete deburring, chamfering work Easy to operate, intuitive, built-in LED light source Vacuum conveying platform can process small workpieces Flexible grinding, no damage to the surface of the workpiece Optional wet dust collector to absorb dust when working.

RP系列的设备功能

- 去除边缘较硬毛刺
- 去除切割熔渣
- 倒R角功能
- 强力真空吸附传送带
- 磨料自动补偿
- 磨料寿命提示
- 金属表面拉丝
- 去除氧化皮

RP series of equipment functions

- Remove hard edge burrs
- Remove cutting slag
- Inverted R Angle function
- Powerful vacuum adsorption conveyor belt
- Automatic abrasive compensation
- Abrasive life tips
- Metal surface brushed
- Deoxidizing

选配结构

针对大毛刺预处理，例如激光、等离子下料工件，存在比较大的熔渣或者挂渣，可以选配一组或者多组强力宽砂带大毛刺预处理结构来配合辊刷后面的加工。
针对于特殊行业要求带有倒角后的表面拉丝工件，也可将宽砂带拉丝工位布置于辊刷后面。

Optional structure

For large burr pretreatment, such as laser, plasma feeding workpiece, there is relatively large slag or hanging slag, can be selected - group or multiple groups of strong wide sand belt large burr pretreatment structure to match the processing behind the roller brush.
For special industry requirements with chamfered surface drawing workpiece, can also be arranged wide sand belt drawing station behind the roller brush.

应用案例

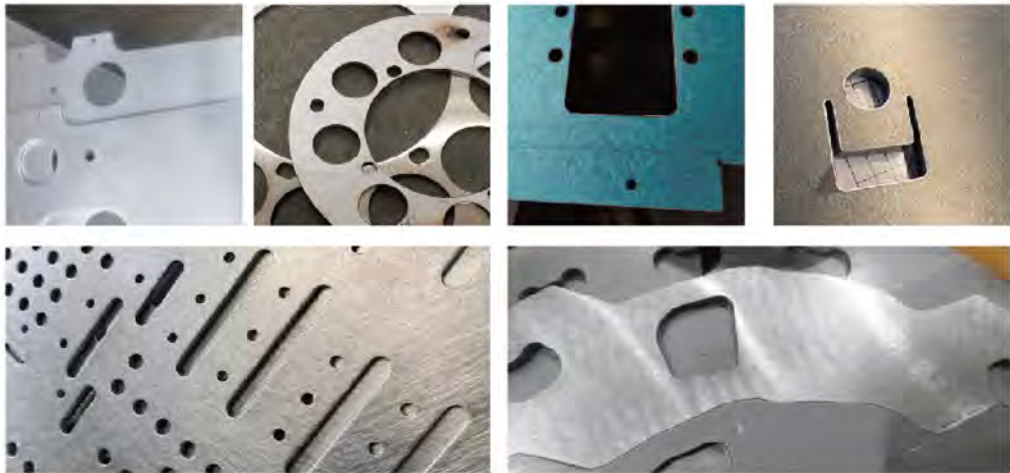
适合的下料工艺：
激光切割，等离子，火焰，NCT下料，模具冲压，剪切冷加工。

适合的板材：
不锈钢，铝板，冷板，碳钢，覆膜工件，镀锌板。

Application list

Suitable blanking process:
laser cutting, plasma, flame, NCT blanking, die stamping, shear cold processing.

Suitable plate:
stainless steel, aluminum plate, cold plate, carbon steel, coated workpiece, galvanized plate.



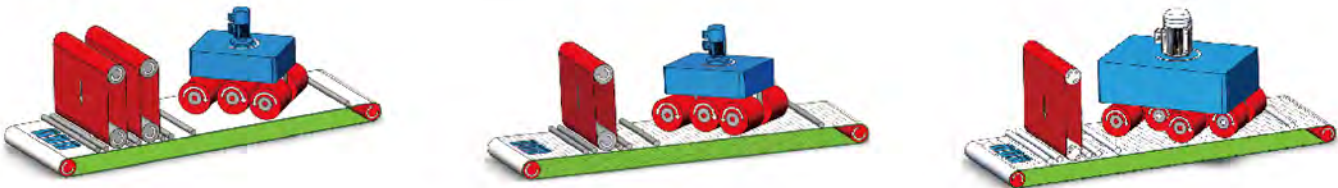
基本参数

Basic parameters

设备加工宽度选择 Equipment processing width selection	450/800/1000/1300/1600mm	辊刷尺寸 Brush size	150*250/300*300/300*400mm
加工厚度 Machining thickness	0.5-100mm	倒角范围 Chamfer range	R0.1-0.5mm
送料速度 Feed rate	0.5-6m/min	工作台面 Work surface	900-1000mm
辊刷自传速度 Roller brush autobiographical speed	9-21r/s	最小加工尺寸 Minimum machining size	50*50*1mm(真空吸附) 50*50*1mm(Vacuum adsorption)

可根据客户不同要求定制

Can be customized according to different customer requirements



CTP-MRP/MRRP 碳钢去毛刺机系列

CTP-MRP carbon steel deburring machine series



MRP系列的设备特点

通过式加工，取代低效人工打磨工作，稳定可靠的 专利砂带控制技术，一次进料完成去毛刺、倒角工作，操作便捷、直观、设备内置LED光源，强磁力输送平台，可加工小工件，柔性打磨，不伤工件表面，选配湿式集尘器，工作时吸走粉尘。

MRP series equipment characteristics

Through type machining, instead of inefficient manual grinding work, Stable and reliable cogentech patented sand belt control technology, One feed to complete deburring, chamfering work, Easy to operate, intuitive, built-in LED light source, Strong magnetic conveying platform, can process small workpieces, Flexible grinding, no damage to the surface of the workpiece, Optional wet dust collector to absorb dust when working.

MRP系列的设备功能

- 去除边缘较硬毛刺
- 去除切割熔渣
- 倒R角功能
- 强磁力吸附传送带
- 磨料自动补偿
- 磨料寿命提示
- 一键自动运行
- 去除氧化皮
- 去毛刺保留氧化皮

MRP series of equipment functions

- Remove hard edge burrs
- Remove cutting slag
- Inverted R Angle function
- Strong magnetic adsorption conveyor belt
- Automatic abrasive compensation
- Abrasive life tips
- One-click automatic operation
- Deoxidizing
- Deburring to preserve the oxide

选配结构

针对大毛刺预处理，例如激光、等离子下料工件，存在比较大的熔渣或者挂渣，可以选配一组或者多组强力宽砂带大毛刺预处理结构来配合辊刷后面的加工。

针对于特殊行业要求带有倒角后的表面拉丝工件，也可将宽砂带拉丝工位布置于辊刷后面。

Optional structure

For large burr pretreatment, such as laser, plasma feeding workpiece, there is relatively large slag or hanging slag, can be selected - group or multiple groups of strong wide sand belt large burr pretreatment structure to match the processing behind the roller brush.

For special industry requirements with chamfered surface drawing workpiece, can also be arranged wide sand belt drawing station behind the roller brush.

应用案例

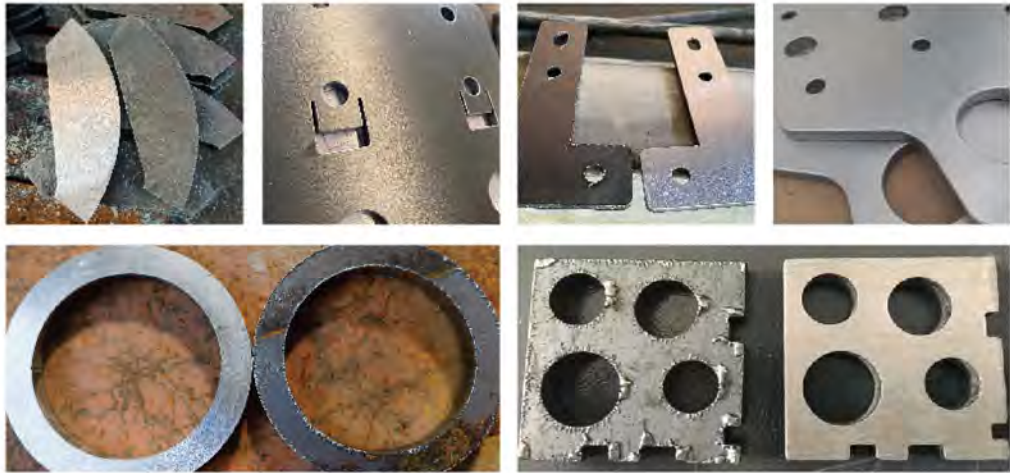
适合的下料工艺：
激光切割，等离子，火焰，NCT下料，模具冲压，剪切冷加工。

适合的板材：
不锈钢，铝板，冷板，碳钢，覆膜工件，镀锌板。

Application list

Suitable blanking process:
laser cutting, plasma, flame, NCT blanking, die stamping, shear cold processing.

Suitable plate:
Stainless steel, aluminum plate, cold plate, carbon steel, coated workpiece, galvanized plate.



可根据客户不同要求定制

Can be customized according to different customer requirements



基本参数

Basic parameters

设备加工宽度选择 Equipment processing width selection	450/800/1000/1300/1600mm	辊刷尺寸 Brush size	300*300/300*400mm
加工厚度 Machining thickness	0.5-100mm	倒角范围 Chamfer range	R0.1-1.0mm
送料速度 Feed rate	0.5-6m/min	工作台面 Work surface	900-1000mm
辊刷自传速度 Roller brush autobiographical speed	9-21r/s	最小加工尺寸 Minimum machining size	30*30*1mm(磁吸) 30*30*1mm(Magnetic adsorption)

CTP-RPR去毛刺拉丝一体机系列

CTP-RPR Deburring and drawing machine series



RPR系列的设备特点

通过式加工，取代低效人工打磨工作，稳定可靠的 专利砂带控制技术，内置式电机设计，操作便捷、直观、设备内置LED光源，可加工表面变形、不平整材料，去毛刺、倒角后拉丝加工，一次完成，选配湿式集尘器，工作时吸走粉尘。

RPR series equipment characteristics

Through type machining, instead of inefficient manual grinding work, Stable and reliable cogentech patented sand belt control technology, Built-in motor design, Easy to operate, intuitive, built-in LED light source, Can process surface deformation, uneven materials, Deburring, chamfering and drawing process, complete in one go, Optional wet dust collector to absorb dust when working.

RPR系列的设备功能

- 去除边缘较硬毛刺
- 去除切割熔渣
- 倒R角功能
- 强力真空吸附传送带
- 磨料自动补偿
- 磨料寿命提示
- 金属表面去毛刺拉丝
- 去除氧化皮

RPR series of equipment functions

- Remove hard edge burrs
- Remove cutting slag
- Inverted R Angle function
- Powerful vacuum adsorption conveyor belt
- Automatic abrasive compensation
- Abrasive life tips
- Metal surface deburring and drawing
- Deoxidizing

选配结构

可选配双面打磨配置；
用于板面均匀研磨拉丝的打磨结构。

Optional structure

Optional double-sided grinding configuration;
Grinding structure for uniform grinding and drawing of plate surface.

应用案例

适合的下料工艺：
激光切割，等离子，火焰，NCT下料，模具冲压，剪切冷加工。

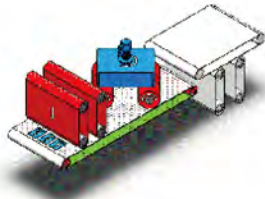
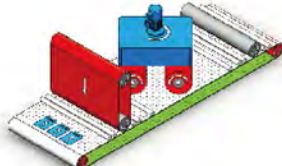
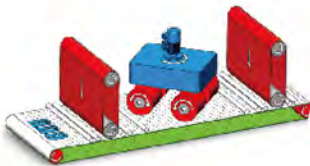
Application list

Suitable blanking process:
laser cutting, plasma, flame, NCT blanking, die stamping, shear cold processing.

Suitable plate:
Stainless steel, aluminum plate, cold plate, carbon steel, coated workpiece, galvanized plate.



可根据客户不同要求定制
Can be customized according to different customer requirements



基本参数

Basic parameters

设备加工宽度选择 Equipment processing width selection	450/800/1000/1300/1600mm	辊刷尺寸 Brush size	150*250/300*300/300*400mm
加工厚度 Machining thickness	0.5-100mm	砂带速度 Belt velocity	5-15m/s
送料速度 Feed rate	0.5-6m/min	电压 Voltage	380v
辊刷自传速度 Roller brush autobiographical speed	9-21r/s	最小加工尺寸 Minimum machining size	50*50*1mm(真空吸附) 50*50*1mm(Vacuum adsorption)

CTP-RPRT 去毛刺拉丝抛光一体机系列

CTP-RPRT Deburring and wire drawing polishing machine series



RPRT系列的设备特点

- 宽砂带打磨前置工位，用于打毛刺预处理或表面拉丝
- 对产品表面进行拉丝抛光
- 可实现工件表面长直丝纹路
- 可加工表面微成型或者表面机加工零件
- 耗材寿命长，均匀消耗
- 操作便捷、直观，内设LED光源，观察内部加工状况
- 选配湿式集尘器，工作时吸走粉尘
- 可选配磁力吸附，加工极小碳钢件

RPRT series equipment characteristics

- Wide belt sanding front station for burring pre-treatment or surface drawing
- The surface of the product is brushed and polished
- Can realize the workpiece surface long straight silk path
- Can be machined surface micro-forming or surface machined parts
- Long life of consumables, uniform consumption
- Easy to operate, intuitive, equipped with LED light source, observe the internal processing status
- Optional wet dust collector to absorb dust when working
- Optional magnetic adsorption, processing very small carbon steel parts

选配结构

- 去除边缘较硬毛刺
- 去除切割熔渣
- 倒R角功能
- 强力真空吸附传送带
- 磨料自动补偿
- 磨料寿命提示
- 金属表面去毛刺拉丝
- 去除氧化皮

Optional structure

- Remove hard edge burrs
- Remove cutting slag
- Inverted R Angle function
- Powerful vacuum adsorption conveyor belt
- Automatic abrasive compensation
- Abrasive life tips
- Metal surface deburring and drawing
- Deoxidizing

应用案例

适合的下料工艺：
激光切割，等离子，火焰，NCT下料，模具冲压，剪切冷加工。

Application list

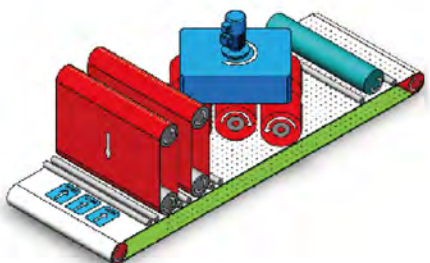
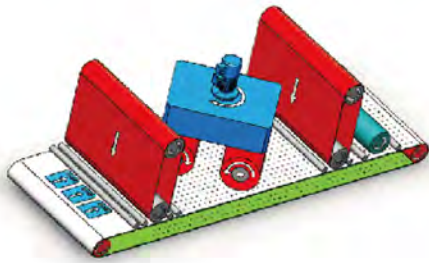
Suitable blanking process:
laser cutting, plasma, flame, NCT blanking, die stamping, shear cold processing.

适合的板材：
不锈钢，铝板，冷板，碳钢，覆膜工件，镀锌板。

Suitable plate:
Stainless steel, aluminum plate, cold plate, carbon steel, coated workpiece, galvanized plate.



可根据客户不同要求定制
Can be customized according to different customer requirements



基本参数
Basic parameters

设备加工宽度选择 Equipment processing width selection	450/800/1000/1300/1600mm	砂带速度 Belt velocity	5-15m/s
加工厚度 Machining thickness	0.5-100mm	拉丝纹路 Brushed grain	雪花砂拉丝、雪花短丝 Snowflake sand brushed, snow short silk
送料速度 Feed rate	0.5-6m/min	电压 Voltage	380V
工作台面 Work surface	900-1000mm	最小加工尺寸 Minimum machining size	50*50*1mm(真空吸附) 50*50*1mm(Vacuum adsorption)

CTP-600RP经济型去毛刺机系列

CTP-600RP Economical deburring machine series



600RP系列的设备特点

通过式加工，取代低效人工打磨工作，
稳定可靠的 专利砂带控制技术，
一次进料完成去毛刺、倒角工作，
操作便捷、直观、设备内置LED光源，
真空式输送平台，可加工小工件，
柔性打磨，不伤工件表面，
选配湿式集尘器，工作时吸走粉尘。

600RP series equipment characteristics

Through type machining, instead of inefficient manual grinding work,
Stable and reliable cogentech patented sand belt control technology,
One feed to complete deburring, chamfering work,
Easy to operate, intuitive, built-in LED light source,
Vacuum conveying platform can process small workpieces,
Flexible grinding, no damage to the surface of the workpiece,
Optional wet dust collector to absorb dust when working.

选配结构

去除边缘较硬毛刺
去除切割熔渣
强力磁力吸附传送带
磨料自动补偿
磨料寿命提示
一键自动运行
去除氧化皮

Optional structure

Remove hard edge burrs
Remove cutting slag
Strong magnetic adsorption conveyor belt
Automatic abrasive compensation
Abrasive life tips
One-click automatic operation
Deoxidizing

应用案例

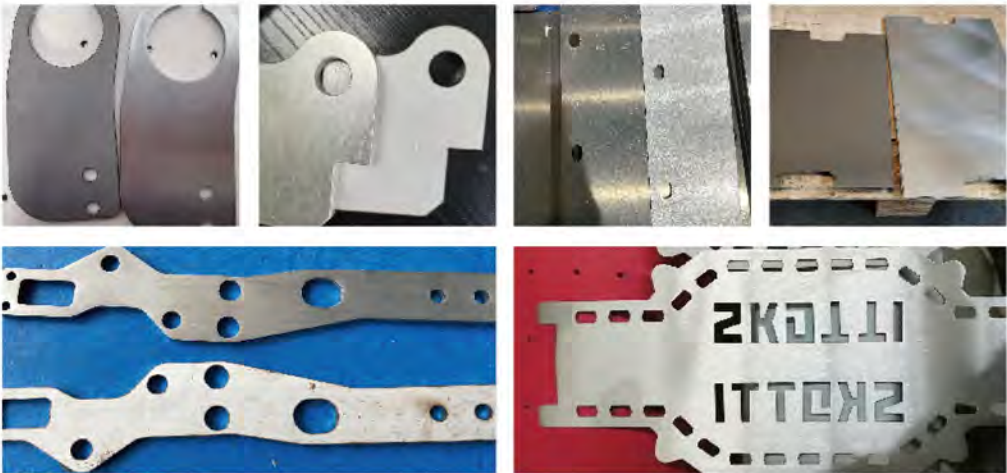
适合的下料工艺：
激光切割，等离子，火焰，NCT下料，模具冲压，剪切冷加工。

适合的板材：
不锈钢，铝板，冷板，碳钢，覆膜工件，镀锌板。

Application list

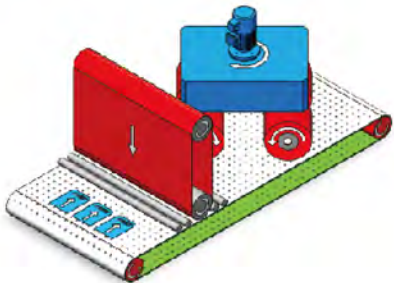
Suitable blanking process:
laser cutting, plasma, flame, NCT blanking, die stamping, shear cold processing.

Suitable plate:
Stainless steel, aluminum plate, cold plate, carbon steel, coated workpiece, galvanized plate.



可根据客户不同要求定制

Can be customized according to different customer requirements



基本参数

Basic parameters

设备加工宽度选择 Equipment processing width selection	600mm	砂带速度 Belt velocity	5-15m/s
加工厚度 Machining thickness	0.5-100mm	倒角范围 Chamfer range	R0.1-0.3mm
送料速度 Feed rate	0.5-6m/min	电压 Voltage	380V
工作台面 Work surface	900-1000mm	最小加工尺寸 Minimum machining size	30*30*1mm 30*30*1mm

CTP-RRT平面干式拉丝机系列

CTP-RRT Plane dry drawing machine series



RRT系列的设备特点

宽砂带打磨前置工位，用于打毛刺预处理或表面拉丝，对产品表面进行拉丝抛光，可实现工件表面长直丝纹路，可加工表面微成型或者表面机加工零件。耗材寿命长，均匀消耗，操作便捷、直观，内设LED光源，观察内部加工状况，选配湿式集尘器，工作时吸走粉尘。

RRT series equipment characteristics

Wide sanding belt front position for burring Treatment or surface drawing, The surface of the product is brushed and polished, Can realize the workpiece surface long straight silk path, Can be machined surface micro-forming or surface machined parts, Long life of consumables, uniform consumption, Easy to operate, intuitive, built-in LED light source, view Check the internal processing condition, Optional wet dust collector to absorb dust when working.

RRT系列的设备功能

- 去除表面较硬毛刺
- 去除切割熔，剪切毛边
- 表面拉短直丝
- 抛光，细化纹路
- 磨料自动补偿
- 磨料寿命提示
- 有色金属表面抛光
- 去除氧化皮

RRT series of equipment functions

- Remove hard surface burrs
- Remove cutting melt, cut raw edge
- Surface pull short straight wire
- Polished, fine lines
- Automatic abrasive compensation
- Abrasive life tips
- Non-ferrous metal surface polishing
- Deoxidizing

选配结构

可选配双面打磨配置；
用于板面均匀研磨拉丝的打磨结构。

Optional structure

Optional double-sided grinding configuration;
Grinding structure for uniform grinding and drawing of plate surface.

应用案例

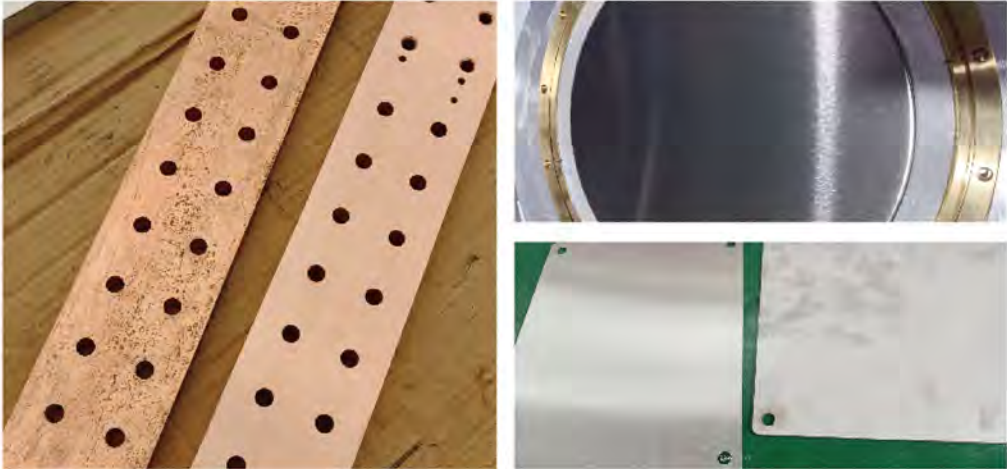
适合的下料工艺：
激光切割，等离子，火焰，NCT下料，模具冲压，剪切冷加工。

Application list

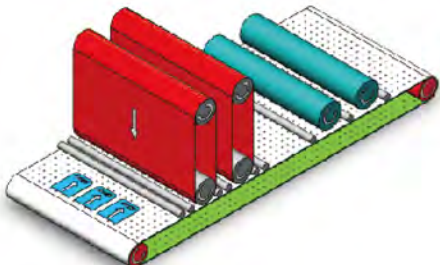
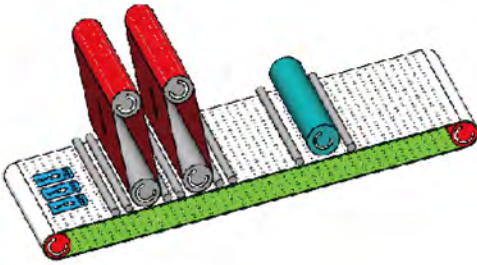
Suitable blanking process:
laser cutting, plasma, flame, NCT blanking, die stamping, shear cold processing.

适合的板材：
不锈钢，铝板，冷板，碳钢，覆膜工件，镀锌板。

Suitable plate:
Stainless steel, aluminum plate, cold plate, carbon steel, coated workpiece, galvanized plate.



可根据客户不同要求定制
Can be customized according to different customer requirements



基本参数

Basic parameters

设备加工宽度选择 Equipment processing width selection	600/1000/1300/1600mm	抛光轮尺寸 Polishing wheel size	外径200mm Outer diameter 200mm
加工厚度 Machining thickness	0.5-100mm	电压 Voltage	380V
送料速度 Feed rate	0.5-6m/min	工作台面 Work surface	900-1000mm

CTP-WRR平面湿式拉丝机系列

CTP-WRR Flat wet drawing machine series



WRR系列的设备特点

湿式拉丝机，水磨加工，拉丝纹路更加细腻，表面粗糙度高，选配挤水辊、风刀、输送平台、过滤机等，多用于铝板、铜板等有色金属的表面拉丝加工，水磨加工带走多余的热量，产品不会受热变形。

WRR series equipment characteristics

Wet wire drawing machine, water grinding processing. The drawing lines are more delicate and the surface roughness is high. Optional extrusion roller, air knife, conveying platform, filter and so on. It is mainly used for surface drawing processing of non-ferrous metals such as aluminum plate and copper plate. The water grinding process takes away the excess heat, and the product will not be deformed by heat.

WRR系列的设备功能

去除表面较硬毛刺
去除切割熔渣
表面拉丝加工
磨料自动补偿
磨料寿命提示
去除氧化皮

WRR series of equipment functions

Remove hard surface burrs
Remove cutting slag
Surface drawing
Automatic abrasive compensation
Abrasive life tips
Deoxidizing

选配结构

宽幅砂带或抛光辊达到更好的拉丝效果挤水辊、风刀、过滤机、输送平台等。

Optional structure

Wide sanding belt or polishing roller for better drawing effect Squeezing roller, air knife, filter, conveyer Send the platform, etc.

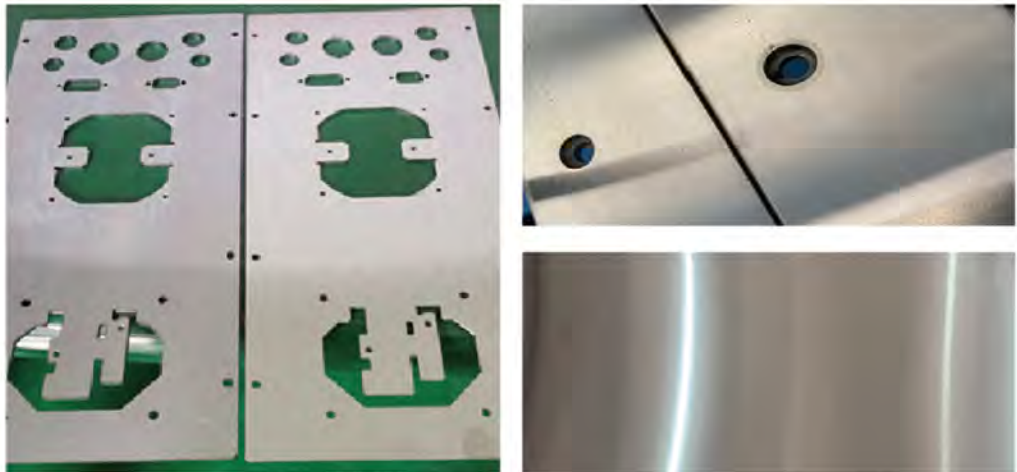
应用案例

适合的下料工艺：
激光切割，等离子，火焰，NCT下料，模具冲压，剪切冷加工。

Application list

Suitable blanking process:
laser cutting, plasma, flame, NCT blanking, die stamping, shear cold processing.

Suitable plate:
Stainless steel, aluminum plate, cold plate, carbon steel, coated workpiece, galvanized plate.



可根据客户不同要求定制
Can be customized according to different customer requirements



基本参数

Basic parameters

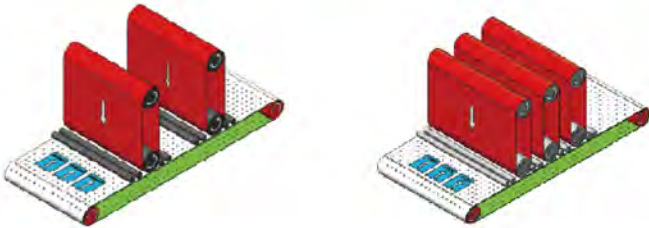
设备加工宽度选择 Equipment processing width selection	600/1000/1300/1600mm	加工介质 Processing medium	液体 liquid
加工厚度 Machining thickness	0.5-100mm	电压 Voltage	380V
送料速度 Feed rate	0.5-6m/min	工作台面 Work surface	900-1000mm

CTP-RR 金属砂光机系列

CTP-RR Metal Sander series



可根据客户不同要求定制
Can be customized according to different customer requirements



基本参数

Basic parameters

设备加工宽度选择 Equipment processing width selection	600/1000/1300/1600mm	工作台面 Work surface	900-1000mm
加工厚度 Machining thickness	1-100mm	电压 Voltage	380V
送料速度 Feed rate	1-7m/min	最小加工尺寸 Minimum machining size	30*30*1mm(磁吸) 30*30*1mm(Magnetic adsorption)

RR系列的设备特点

通过式加工，一次进料完成去毛刺工作，大理石输送平台，表面平整度高，配置部分磁吸区域，选配湿式集尘器，工作时吸走粉尘，多用于较厚碳钢件去除较大毛刺、氧化皮。

RR series equipment characteristics

Through type processing, one feed to complete the deburring work, Marble conveying platform, high surface flatness, configuration Part of the magnetic area, Optional wet collector, suction dust when working, It is mainly used to remove large burrs and oxide skin from thick carbon steel parts.

RR系列的设备功能

- 去除边缘较硬、较大毛刺
- 去除切割熔渣
- 去除表面氧化皮
- 多组砂带切削量大
- 部分区域强磁力吸附
- 可加工极小碳钢工作

RR series of equipment functions

- Remove large burrs with hard edges
- Remove cutting slag
- Remove the surface oxide
- Multiple groups of sand belt cutting large
- Some areas of strong magnetic adsorption
- can be processed pole Small carbon steel work

应用案例

- 适合的下料工艺：
激光切割，等离子，火焰，NCT下料。
- 适合的板材：
不锈钢，冷板，碳钢。

Application list

- Suitable blanking process:
laser cutting, plasma, flame, NCT blanking.
- Suitable plate:
Stainless steel, cold plate, carbon steel.

WDC系列湿式集尘器

WDC Series wet dust collector



WDC系列的设备特点

能耗低，故障率低，除尘效率高，设备阻力低，且不易堵塞，能够处理高温，高湿气流，高比电阻粉尘，及易燃易爆的含尘气体，既起除尘作用，又起到冷却、净化的作用。

WDC series equipment features

Low energy consumption, low failure rate, High dust removal efficiency, The equipment has low resistance and is not easy to clog, It can handle high temperature, high moisture airflow, high resistance dust, and flammable, and explosive dust containing gas, It not only has the effect of dust removal, but also plays the role of cooling and purification.

WDC系列湿式除尘器的的工作原理

在风机负压作用下，使含尘气体进入水过滤结构单元，与液体（一般为水）密切接触，利用水滴和尘粒的惯性碰撞及其它作用捕集尘粒或使粒径增大的装置 可以有效地除去直径为3~30 μm 的液态或固态粒子，也能脱除部分气态污染物。同时，水也会随着气流自下而上，在挡水板和除雾单元的共同作用下，达到气液分离，水回落到水箱，实现无泵水循环。对10 μm 以上粉尘的净化效率可达90%以上。

WDC series wet dust collector working principle:

Low energy consumption, low failure rate, High dust removal efficiency, The equipment has low resistance and is not easy to clog, It can handle high temperature, high moisture airflow, high resistance dust, and flammable, and explosive dust containing gas, It not only has the effect of dust removal, but also plays the role of cooling and purification.

基本参数

Basic parameters

设备型号 Equipment type	WDC-3000	WDC-5500	WDC-7500
输入电源 Input power supply	AC380V (三相五线) / AC380V (Three-phase five wire)		
功率(kw) Power (kw)	3.0kw	5.5kw	7.5kw
处理风量 (m³/h) Handling air volume (m³/h)	4146 m³/h	5962 m³/h	6416 m³/h
全压 (Pa) Total pressure (Pa)	1343Pa	1723Pa	3200Pa
进风口(mm) Air inlet (mm)	Φ200	Φ300	Φ400
外形尺寸L*W*H(mm)含进风口 Dimensions L*W*H(mm) including air inlet	1400*1000*1900	1600*1250*2300	1800*1400*2500
净化效率 Purification efficiency	≥90 %		

CTP-MHRP 去毛刺拉丝机系列

CTP-MHRP deburring, drawing machine series



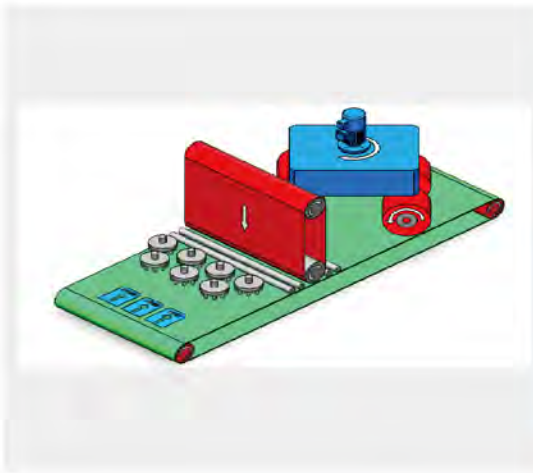
MHRP专为去除火焰切割、空气切割等后工件表面残留的熔渣以及进行去毛刺、去氧化皮、拉丝处理而设计。它集成了锤盘H去熔渣、砂带R去毛刺、滚刷P倒角等多种功能，可一站式完成多种表面处理任务，有效提高生产效率和产品质量。

- 1.工件表面毛刺、熔渣处理: 配备1组（11只）清渣锤机构，清渣锤高速旋转，左右摆动，去除工件表面的熔渣颗粒、大翻边等毛刺。
- 2.工件表面去毛刺、去氧化皮、拉丝处理: 配备一组宽幅砂带结构，砂带在磨削辊带动下高速旋转，去除工件表面的熔渣颗粒、氧化皮、大翻边等毛刺，可同时满足优质拉丝效果。
- 3.工件边缘、孔洞去毛刺处理: 配备四排（每排两组）万向滚刷结构，辊刷磨料高速旋转，对工件表面进行拍打，使工件表面四周及孔内的轮廓边缘光滑圆润，产生圆角效果。针对冲压、剪切、激光机切割、等离子切割等过程中产生的毛刺能全方位一次性去除，让工件所有棱边、孔洞达到小的R弧效果，加工过程安全、可靠，使工件达到完美效果。
- 4.设备输送:设备使用耐高温输送带传送工件，输送平台磁力吸附，尤适应小工件加工。变频调速。

- 5.设备集尘: 配置1台5.5KW湿式除尘器。除尘方式: 主机在工作时产生的粉尘通过集尘口有效吸走大部分粉尘。杜绝粉尘爆炸隐患，保持设备内部清洁。
- 6.砂带电机: 实现砂带速度与送料速度实时匹配，避免薄型工件产生 烧伤风险，真正实现冷态磨削。电机功率大，加工产品更加轻松。
- 7.平台升降电机: 采用伺服电机，为闭环控制、反应快、精度高。
- 8.输送平台:整机焊接而成，龙门铣加工后时效处理；平台经过龙门机床加工，平面度公差<0.02mm，精度高。
- 9.控制系统: DELAT PLC高清晰触摸屏。

MHRP is specially designed to remove slag residue on the surface of workpieces after flame cutting, air cutting, etc., as well as to perform deburring, descaling, and wire drawing treatments. It integrates multiple functions such as hammer disc H for slag removal, abrasive belt R for deburring, and roller brush P for chamfering, enabling one-stop completion of various surface treatment tasks, effectively improving production efficiency and product quality.

- 1.Treatment of burrs and slag on workpiece surface: Equipped with 1 set (11 pieces) of slag cleaning hammer mechanisms. The slag cleaning hammers rotate at high speed and swing left and right to remove slag particles, large flanges, and other burrs on the workpiece surface.
- 2.Deburring, descaling, and wire drawing on workpiece surface: Equipped with a set of wide-width abrasive belt structures. Driven by the grinding roller, the abrasive belt rotates at high speed to remove slag particles, oxide scales, large flanges, and other burrs on the workpiece surface, while achieving high-quality wire drawing effects.
- 3.Deburring of workpiece edges and holes: Equipped with four rows (two groups per row) of universal roller brush structures. The abrasive of the roller brush rotates at high speed to flap the workpiece surface, making the contour edges around the workpiece surface and inside the holes smooth and rounded, resulting in a fillet effect. It can comprehensively and once remove burrs generated during stamping, shearing, laser cutting, plasma cutting, etc., making all edges and holes of the workpiece achieve a small R-arc effect. The processing process is safe and reliable, ensuring the workpiece reaches a perfect effect.
- 4.Equipment conveying: The equipment uses a high-temperature-resistant conveyor belt to transport workpieces, and the conveying platform is magnetically adsorbed, which is especially suitable for processing small workpieces. It features frequency conversion speed regulation.
- 5.Equipment dust collection: Configured with a 5.5KW wet dust collector. Dust collection method: Most of the dust generated by the main machine during operation is effectively sucked away through the dust collection port. This eliminates the hidden danger of dust explosion and keeps the inside of the equipment clean.
- 6.Abrasive belt motor: Realizes real-time matching between the abrasive belt speed and the feeding speed, avoiding the risk of burns on thin workpieces and truly achieving cold grinding. The motor has high power, making the processing of products easier.
- 7.Platform lifting motor: Adopts a servo motor, featuring closed-loop control, fast response, and high precision.
- 8.Conveying platform: The whole machine is welded, and undergoes aging treatment after gantry milling; the platform is processed by a gantry machine tool, with a flatness tolerance of <0.02mm and high precision.
- 9.Control system: DELAT PLC with a high-definition touch screen.



NO.	MODEL	UNIT	CTP-800MHRP	CTP-1000MHRP
1	Table width	mm	800	1300
2	Machining thickness	mm	1-100	1-80
3	Min.machining size	mm	≥100*50*10	≥100*50*10
4	Feeding speed（Variable）	m/min	1-7	1-7
5	Sand-belt speed	m/min	1-15	1-15
6	Slag cleaning hammer speed	r/min	9-18	9-18r
7	Roller-brush speed	m/min	1-12	1-12
8	Rotating speed	m/min	1-21	1-21
9	Motor power	kW	25	55
10	Wet dust collector power	kW	5.5	5.5
11	Air pressure	Mpa	0.6-0.8	0.6-0.8
12	Sand-belt size	mm	1900*820	2200*1320
13	Slag cleaning hammer size	mm	Φ150	Φ150
14	Roller-brush size	mm	300*300*40	300*400*40
15	Overall dimensions	mm	3800*1850*2200	4300*2200*2300
16	Weight	kg	3500	6500

CTP-1308D手动去毛刺机

Manual deburring machine



1. 本设备是一款金属手动去毛刺机，用于金属表面去毛刺、倒圆角、打磨等。
2. 手动打磨头的一侧装有研磨介质以实现重型打磨，另一侧则可安装例如用于去毛刺、倒圆角和表面处理的刷头。如果需要，还可打造镜面抛光效果。而180度旋转轴可使不同耗材的更换变得轻而易举。
3. 手动打磨机采用人体工学设计，优化操作条件
4. 机器台面的专用垫拥有高阻尼防滑表面，可在去毛刺和表面拉丝时固定工件。通过集成真空吸附平台将小工件固定到位。针对冲压、剪切、激光机切割、等离子切割等过程中产生的毛刺能全方位去除，让工件所有棱边、孔洞达到小的R弧效果，加工过程安全、可靠，使工件达到完美效果。

1. This equipment is a metal manual deburring machine which is used for deburring, rounding, grinding and other operations on the metal surface.
2. One side of the manual grinding head is equipped with a grinding medium to achieve heavy-duty grinding, and the other side can be installed with a brush head for deburring, rounding and surface treatment, for example. If necessary, a mirror

polishing effect can also be achieved. The 180-degree rotating shaft makes it easy to replace different consumables.

3. The manual grinder adopts an ergonomic design to optimize the operating conditions.

4. The special pad on the machine table has a high-damping anti-slip surface, which can fix the workpiece during deburring and surface brushing. Small workpieces are fixed in place through an integrated vacuum adsorption platform. It can comprehensively remove the burrs generated during processes such as stamping, shearing, laser cutting, and plasma cutting, making all edges and holes of the workpiece achieve a small R-arc effect. The processing process is safe and reliable, enabling the workpiece to achieve a perfect effect.

设备配置

1. 可移动悬臂，双位调节，带重量补偿
2. 砂盘用于去除粗糙的毛边
3. 小工件高阻尼防滑垫
4. 集尘用可拆托盘
5. 变频控制驱动
6. 1300 x 800 mm 工作台
7. 重约 270 kg
8. 400 V / 1.5 kW 电机连接真空吸附平台
9. 侧板可根据工件高度调节，以保护个人安全和加工大工件

Main configurations

1. Movable cantilever, two-position adjustment, with weight compensation
2. Sanding disc is used to remove rough burrs
3. High-damping anti-slip pad for small workpieces
4. Detachable tray for dust collection
5. Variable frequency control drive
6. 1300 x 800 mm workbench
7. Approximately 270 kg in weight
8. 400 V / 1.5 kW motor is connected to the vacuum adsorption platform
9. The side plate can be adjusted according to the height of the workpiece to protect personal safety and process large workpieces



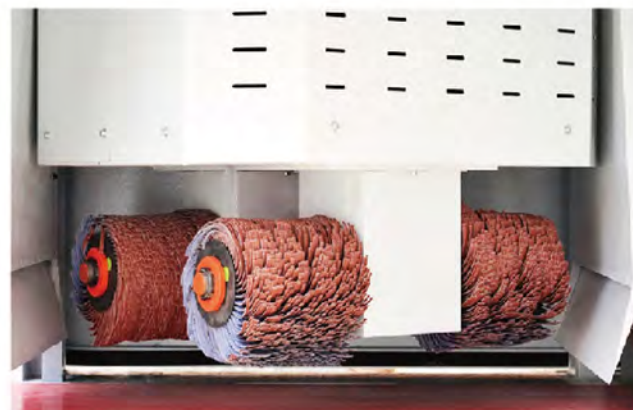
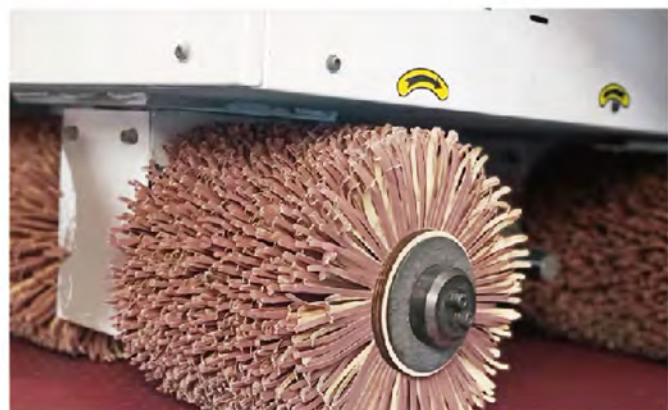
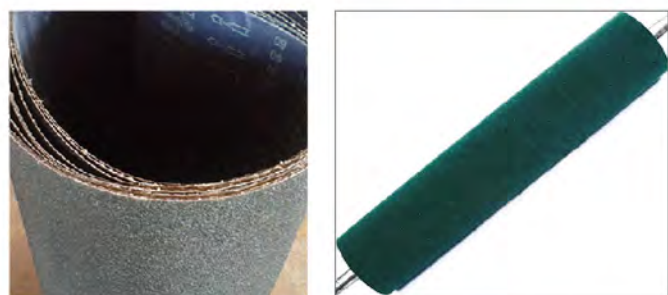
主要技术参数 Main specifications

1. 磨头数量: 1
2. 磨头类型: 盘式/杯形
3. 工作台: 1300 x 800 mm
4. 真空区域: 300 x 250 mm
5. 230 V / 0.75 kW / 4 A 磨具驱动马达
6. 150 mm 直径磨盘
7. 磨头可旋转180度
8. 最大可加工工件厚度60 mm
9. 最小加工尺寸: $\geq 50 \times 50$ mm
10. 工作台高度: 960 mm
11. 设备噪音: ≤ 85 dB
12. 倒角范围: R0.1~0.3
13. 加工研磨耗材: 各粒度砂盘及研磨砂片辊轮
14. 重量270 kg

1. Number of grinding heads: 1
2. Grinding head type: Disc type/Cup type
3. Workbench: 1300 x 800 mm
4. Vacuum area: 300 x 250 mm
5. 230 V / 0.75 kW / 4 A grinding tool drive motor
6. Grinding disc with a diameter of 150 mm
7. The grinding head can rotate 180 degrees
8. Maximum thickness of the workpiece that can be processed: 60 mm
9. Minimum processing size: $\geq 50 \times 50$ mm
10. Workbench height: 960 mm
11. Equipment noise: ≤ 85 dB
12. Chamfering range: R0.1~0.3
13. Processing and grinding consumables: Sand discs of various grain sizes and grinding sand sheet rollers
14. Weight: 270 kg

磨料

Abrasive materials



其它打磨耗材

砂带: 主要对工件表面抛光、拉丝、拉毛、除锈、去氧化皮、去除切割熔渣、毛刺等工艺;选择不同目数材质得到不同的表面工艺效果。目数40~1000日可选,材质氧化铝、碳化硅、刚玉、尼龙、百洁布等,等丝材质、钢丝材质等也可定制其它或其它组合材质。

砂丝轮: 对工件端面砂光去除工件棱边锐角毛刺并倒R角;选择不同目数材质得到不同的表面工艺效果。

磨料块: 砂布、砂布与百洁布组合两种结构材质,用于去毛刺倒圆角。

Other polishing supplies

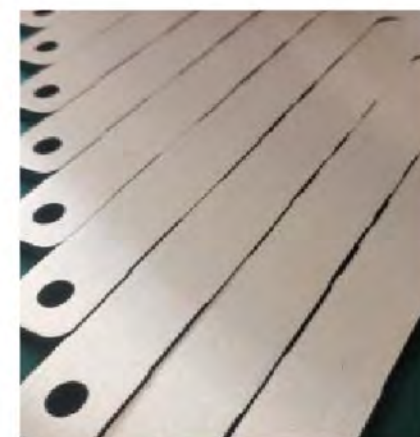
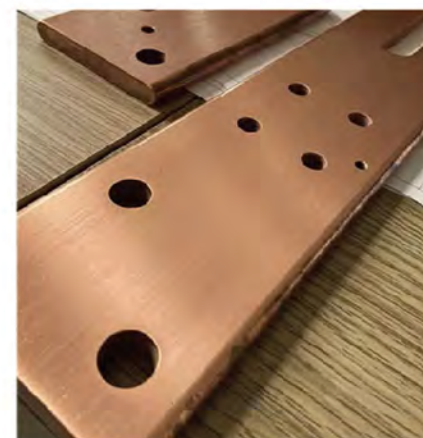
Sand belt: mainly used for polishing, drawing, roughening, rust removal, oxide skin removal, cutting slag removal, burrs and other processes on the surface of workpieces; Choose materials with different mesh sizes to achieve different surface processing effects. The mesh size can be selected from 40-1000 days, with materials such as alumina, silicon carbide, corundum, nylon, scouring pad, etc. Other or combined materials such as equal wire and steel wire can also be customized.

Sanding wheel: Sanding the end face of the workpiece to remove sharp edges and burrs, and invert the R angle; Choose materials of different mesh sizes Obtain different surface processing effects through quality.

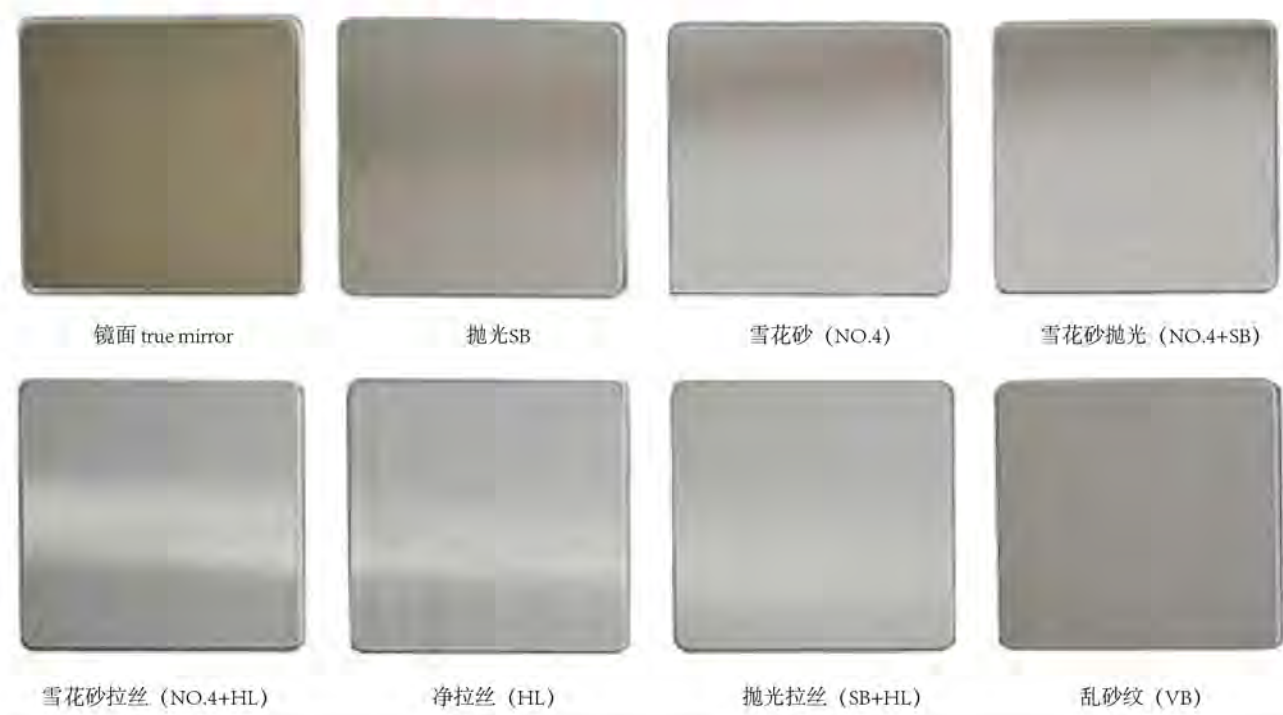
Abrasive block: Two structural materials, sandcloth and sandcloth combined with scouring pad, used for deburring and rounding corners.

产品效果图

Product Rendering



拉丝纹路资料Wire line data



序号 NO.	打磨效果 Grinding effect	适合机型 Suitable for models	对应耗材 Corresponding consumables	备注 Remarks
1.	砂光SB	RT、RRT	180#、240#砂带+240#抛光辊 180 #, 240 # sand belt + 240 # polishing roller	
2.	雪花砂 (NO.4)	RR	180#、240#砂带 180 # and 240 # sand belt	
3.	雪花砂抛光 (NO.4+SB)	RRT	180#、240#砂带+320#抛光辊 180 #, 240 # sand belt + 320 # polishing roller	12#砂带需加变频器Frequency converter shall be added to the 2 # sand belt
4.	雪花砂拉丝 (NO.4+HL)	RRT	180#、240#砂带+80#抛光辊 180 #, 240 # sand belt + 80 # polishing roller	2#砂带需加变频器 Frequency converter shall be added to the 2 # sand belt
5.	净拉丝 (HL)	RTT	120#、180#砂带+80#、120#抛光辊 120 #, 180 # sand belt + 80 #, 120 # polishing roller	砂带需加变频器 Frequency converter shall be added to the sand belt
6.	抛光拉丝 (SB+HL)	RT、RRT	180#、240#砂带+120#抛光辊 180 #, 240 # sand belt + 120 # polishing roller	

注：目前我司设备打磨镜面与乱纹砂实现不了。
Note: Currently, our company's equipment cannot achieve mirror surface grinding and random texture sand grinding.

注：RR与RRT机型，若客户有≤300*50mm的工件碳钢工件去毛刺、拉丝、去氧化皮，可以有针对性的加一道或者两道磁铁；铜、铝、不锈钢最小加工工件的尺寸为≤300*50mm。
Note: For RR and RRT models, if the customer has carbon steel workpieces with a size of ≤300*50mm for deburring, wire drawing, and oxide scale removal, one or two magnets can be added specifically. The minimum size of copper, aluminum and stainless steel workpieces to be processed is ≤300*50mm.

问卷-金属去毛刺机拉丝机
Questionnaire -- Metal deburring machine and wire drawing machine

要提供最佳的解决方案，请提供所需的详细信息，将问卷列出信息填写完整，谢谢你的帮助。
To provide the best solution, please provide the required details, complete the questionnaire list information, thank you for your help.

在表格中，需要填写百分比，如果没有，不需要填写。有的工作表中，需要填充√。
In some sheet, it needs to fill percentage, if there are no, you do not need to write 0%. In some sheet it needs to fill √.

功能选择 Application	去毛刺Deburring		材料类型占比 Plate Material Percentage (%)	不锈钢stainless steel	
	去挂渣Deslagging			碳钢carbon steel	
	倒角倒钝Chamfering			铜copper	
	拉丝Hairline			铝aluminum	
下料方式占比 Cutting method percentage(%)	激光空气切割 laser air cutting		下料方式占比 Cutting method percentage(%)	贴模板with film	
	激光氧气/氮气 Laser Oxygen/Nitrogen Cutting			其他others	
	等离子切割Plasma cutting			<1mm	
	火焰切割 Fire cutting			1~3mm	
最大加工 板材宽度 Max Processing Plate Width	其他others		加工面 Processing side	3mm~6mm	
	≤400mm			>6mm	
	≤800mm			单面single	
	≤1000mm			双面double	
	≤1300mm		工件尺寸 Plate size Percentage (%)	异形Alien	
	≤1600mm			<50x50mm	

请留下您的联系方式：Please leave your contact information below:

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NOTE