

EVOTEC

EVOTEC

THE STEP UP

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01

SR 300

01-02

Precision Finishing for
Small Parts

02

SR
Series

03-04

Wide belt +
Roller brush burr removing
machine

07

SSP
Series

13-14

Dry drawing machine

08

WSS
Series

15-16

Wet wire drawing machine

03

MSR
Series

05-06

Wide belt +
Roller brush full magnetic
deburring machine

04

SRS
Series

07-08

Wide belt +
Roller brush +
Wide belt burr machine

09

SS
Series

17-18

Metal sander

10

HydroDust
2.0

19-20

Wet dust collector

05

SRP
Series

09-10

Wide belt +
Roller brush +
Polishing wheel deburring
machine

06

S(R)D
Series

11-12

Wide belt +
Disk brush burr machine

CONTENTS

SR300

PRECISION FINISHING FOR SMALL PARTS



Can be customized according to different customer requirements



BASIC PARAMETERS

PARAMETERS	EDGEMASTER 300 MINI
SR	300
Conveyor belt speed	0.5-7 m/min
Production fixation	magnet system
Minimum workpiece dimensions	≥50 x 50 mm
Maximum workpiece width	300 mm
Maximum workpiece height	0.5-100 mm
Belt size	1650*320
Roller brush size	300*300*40 [1/set]
Workbench load-bearing	≤ 100 kg
Machine power supply	400 V 50 Hz 34 A 11.5 kW
Dimensions [LxWxH]	2150 mm X 700 mm X 2000 mm
Weight	1300 kg

OPTIONAL STRUCTURE

- The SR 300 is a two-station finishing machine designed for the safe and efficient processing of small components. Its magnetic or vacuum system securely holds parts, while the automatically adjustable grinding unit prevents scratches when inactive.
- With electrical compensation on the brush units, the conveyor belt is protected from wear. The intuitive touchscreen allows for easy speed adjustments of the belt, brushes, and grinding unit. Automated programs enable effortless repetition, with optional brush calibration for added precision. Fully automated stations ensure optimal performance and a seamless user experience.

EQUIPMENT CHARACTERISTICS

- Specifically developed for small sheet metal parts.
- Safe and efficient processing.
- Fully automatic adjustable stations.
- Intuitive multilingual HMI touchscreen.
- Reproducible with adjustable programs.
- Integration with ERP and handling systems.
- Automatic height adjustment of grinding unit.

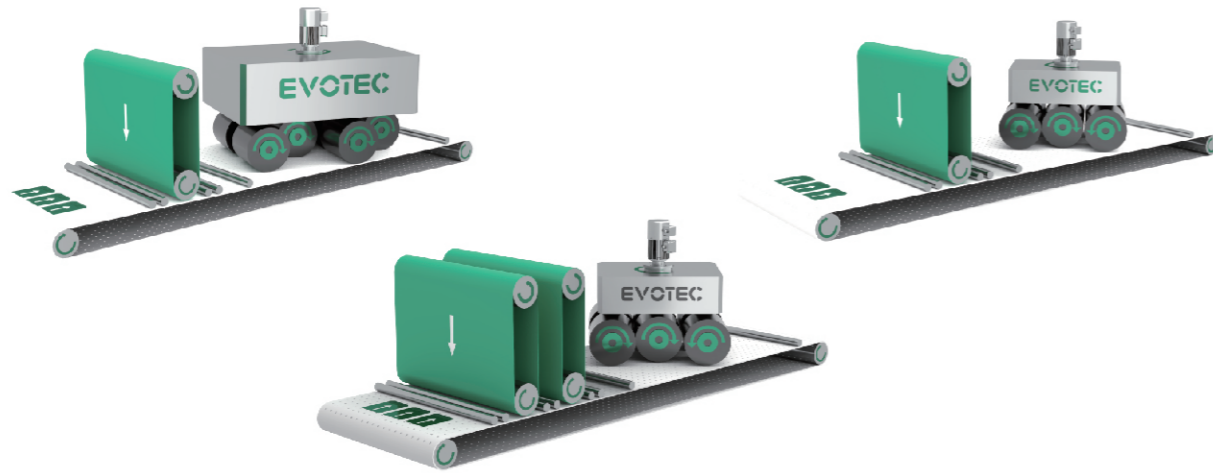
SR

DEBURRING AND DRAWING MACHINE SERIES

OPTIONAL STRUCTURE

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

Can be customized according to different customer requirements



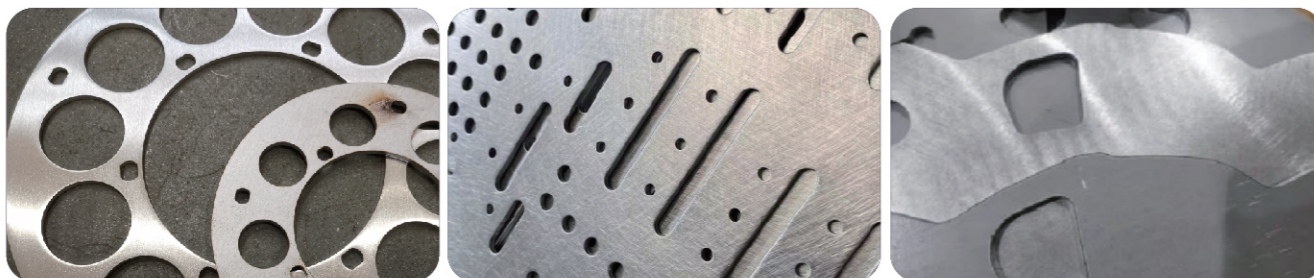
APPLICATION LIST

Suitable Cutting Processes:

Laser cutting, plasma cutting, flame cutting, NCT blanking, die stamping, shear cold processing.

Suitable Materials:

Stainless steel, aluminum plate, cold plate, carbon steel, coated workpieces, galvanized plate.



EQUIPMENT CHARACTERISTICS

- Through-type machining, replacing inefficient manual grinding work.
- Stable and reliable Evotec patented sand belt control technology.
- One feed to complete deburring and chamfering work.
- Easy to operate, intuitive, with 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 during operation.

DEVICE FUNCTIONS

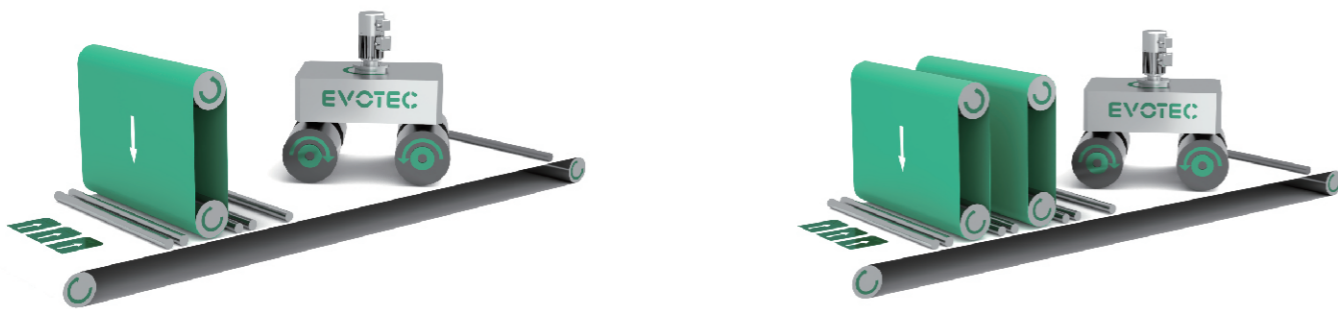
- Remove hard edge burrs.
- Remove cutting slag.
- Inverted R angle function.
- Powerful vacuum adsorption conveyor belt.
- Automatic abrasive compensation.
- Abrasive life indicator.
- Metal surface brushing.
- Deoxidizing.

BASIC PARAMETERS

Selection of Equipment Machining Width	450/800/1000/1300/1600 mm	Roll brush size	150*250/300*300/300*400 mm
Machining thickness	0.5-80 mm	Chamber range	R0.1-0.5 mm
Feed rate	0.5-6 m/min	Work surfate	900-980 mm
Roller brush rotation speed	9-21 r/s	Minimum mathining size	50*50 mm (vacuum adsorption)

MSR

CARBON STEEL DEBURRING MACHINE SERIES



Can be customized according to different customer requirements



EQUIPMENT CHARACTERISTICS

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

EQUIPMENT FUNCTIONS

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

BASIC PARAMETERS

Equipment machining width selection	450/800/1000/1300/1600 mm	Brush size	300*300/300*400 mm
Machining thickness	0.5-80 mm	Chamber range	R0.1-1.0 mm
Feed rate	0.5-6 m/min	Work surface	900-980 mm
Roller brush rotation speed	9-21 r/s	Minimum machining size	10*10 mm (Magnailic assorplony)

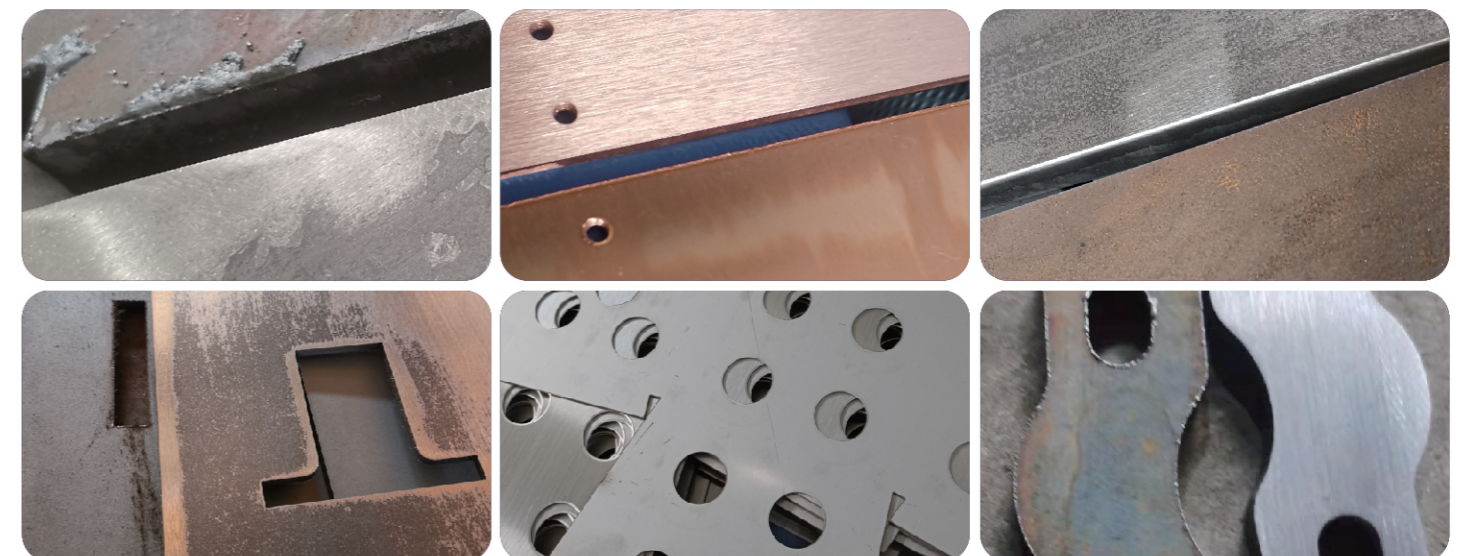
APPLICATION LIST

Suitable Cutting Processes:

Laser cutting, plasma cutting, flame cutting, NCT blanking, die stamping, shear cold processing.

Suitable Materials:

Stainless steel, aluminum plate, cold plate, carbon steel, coated workpieces, galvanized plate.



SRS

DEBURRING AND DRAWING MACHINE SERIES

OPTIONAL STRUCTURE

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

APPLICATION LIST

Suitable Cutting Processes:

Laser cutting, plasma cutting, flame cutting, NCT blanking, die stamping, shear cold processing.

Suitable Materials:

Stainless steel, aluminum plate, cold plate, carbon steel, coated workpieces, galvanized plate.



EQUIPMENT CHARACTERISTICS

- Through-type processing, replacing inefficient manual grinding work.
- Stable and reliable Evotec patented sand belt control technology.
- One feed to complete the deburring and chamfering work.
- Easy to operate, intuitive, with built-in LED light source.
- Strong magnetic transmission platform, capable of processing very small workpieces.
- Flexible grinding, ensuring no damage to the workpiece surface.
- An optional wet dust collector to absorb dust during operation.

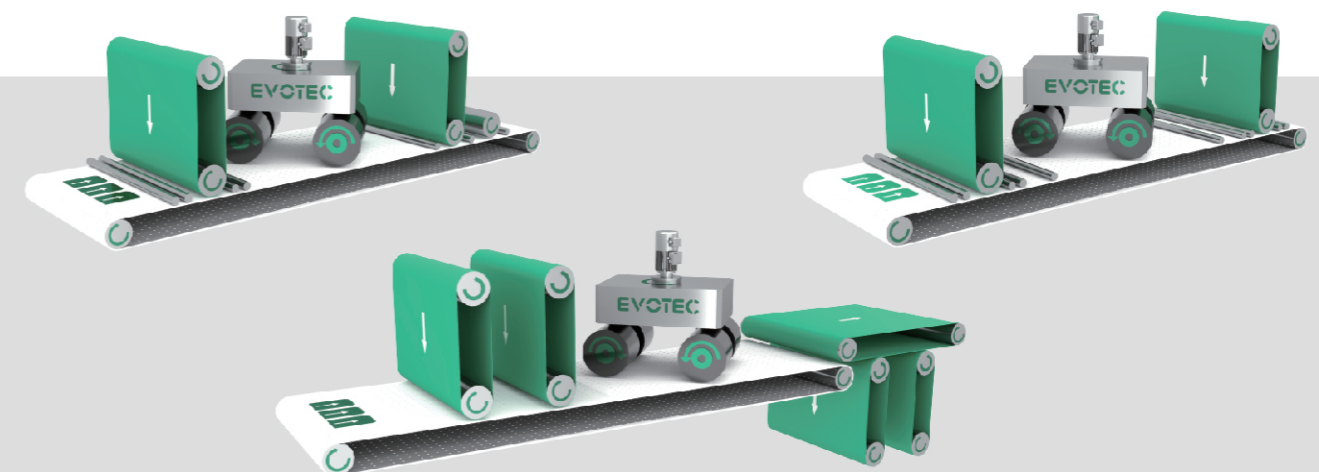
EQUIPMENT FUNCTIONS

- Remove hard edge burrs.
- Remove cutting slag.
- Inverted R angle function.
- Powerful vacuum adsorption conveyor belt.
- Automatic abrasive compensation.
- Abrasive life indicator.
- Metal surface deburring and drawing, deoxidizing.

BASIC PARAMETERS

Equipment machining width selection	450/800/1000/1300/1600 mm	Roll brush size	150*250/300*300/300*400 mm
Machining thickness	0.5-80 mm	Belt velocity	5-15 mvs
Feed rate	0.5-6 m/min	Voltage	380 v
Roller brush rotation speed	9-21 r/s	Minimum machining size	50*50 mm

Can be customized according to different customer requirements

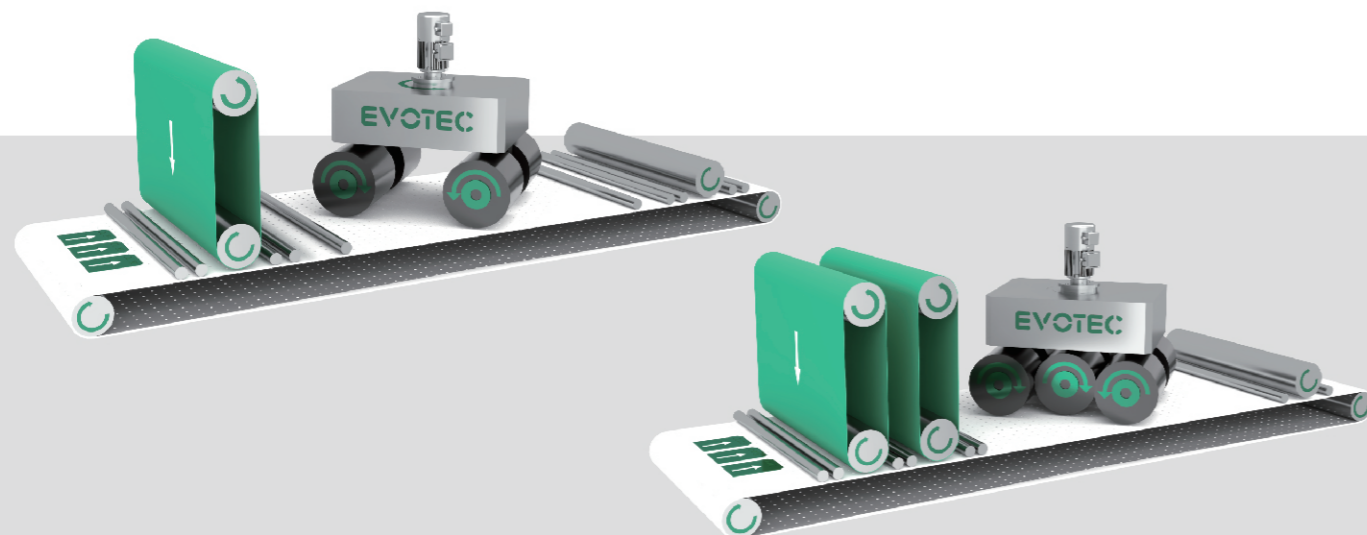


SRP

DEBURRING AND WIRE DRAWING POLISHING MACHINE SERIES



Can be customized according to different customer requirements



EQUIPMENT CHARACTERISTICS

- Through-type machining, replacing inefficient manual grinding work.
- Stable and reliable Evotec patented sand belt control technology.
- One feed to complete deburring and chamfering work.
- Easy to operate, intuitive, with a built-in LED light source.
- Strong magnetic conveying platform, capable of processing small workpieces.
- Flexible grinding, ensuring no damage to the surface of the workpiece.
- An optional wet dust collector to absorb dust during operation.

EQUIPMENT FUNCTIONS

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

BASIC PARAMETERS

Equipment machining width selection	450/800/1000/1300/1600 mm	Minimum machining size	150*250/300*300/300*400 mm
Machining thickness	0.5-80 mm	Voltage	380 v
Feed rate	1-10 m/min	Brushed grain	Long svaighl silk,sno short sik
Roller brush rotation speed	900-980 mm	Belt velocity	5-15 m/s

APPLICATION LIST

Suitable Cutting Processes:

Laser cutting, plasma cutting, flame cutting, NCT blanking, die stamping, shear cold processing.

Suitable Materials:

Stainless steel, aluminum plate, cold plate, carbon steel, coated workpieces, galvanized plate.

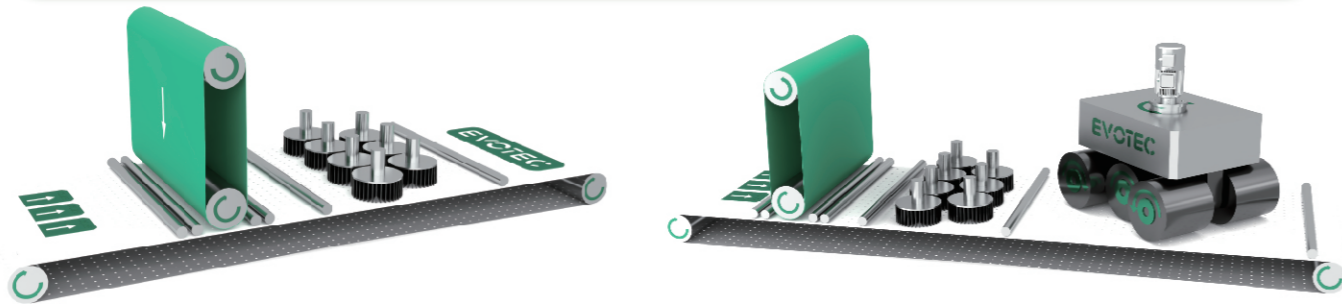


S(R)D

DISC BRUSH DEBURRING MACHINE SERIES



Can be customized according to different customer requirements



BASIC PARAMETERS

Equipment machining width selection	450/800/1000/1300/1600 mm	Roll brush size	150*250/300*300/300*400 mm
Processing thickness	0.5-80 mm	Sand belt speed	5-15 m/s
Feed rate	1-10 m/min	Wired lines	Long straight silk, snow and short silk
Working table	900-980 mm	Minimum processing size	50*50 mm (vac-sorb)

EQUIPMENT CHARACTERISTICS

- Used to remove large burrs, slag, or surface drawing.
- Strong magnetic adsorption conveyor platform.
- The cutting capacity of multiple sand belts is larger.
- Long life of consumables with uniform consumption.
- Easy to operate, intuitive, equipped with LED light source to observe the internal processing status.
- Touchscreen operation interface.
- Optional wet dust collector to absorb dust during operation.

EQUIPMENT FUNCTIONS

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

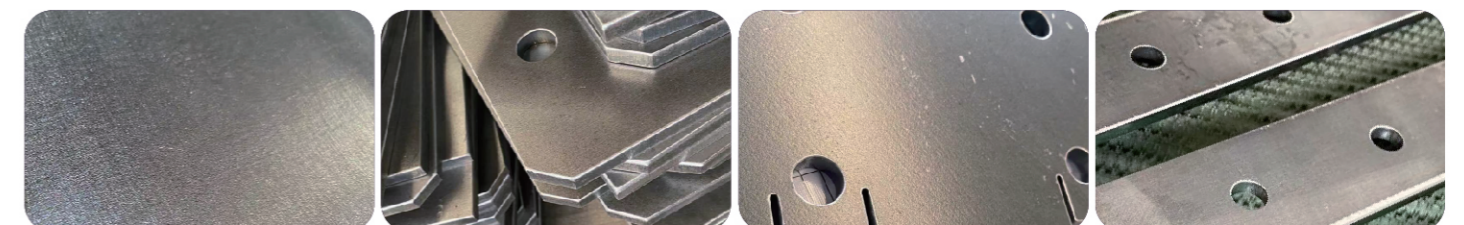
APPLICATION LIST

Suitable Cutting Processes:

Laser cutting, plasma cutting, flame cutting, NCT blanking, die stamping, shear cold processing.

Suitable Materials:

Stainless steel, aluminum plate, cold plate, carbon steel, coated workpieces, galvanized plate.



PLANE DRY DRAWING MACHINE SERIES

OPTIONAL STRUCTURE

Used for polishing copper plates, aluminum plates, and other special materials before plating, with multiple sets of sand belts or polishing wheels.

APPLICATION LIST

Suitable Cutting Processes:

Laser cutting, plasma cutting, flame cutting, NCT blanking, die stamping, shear cold processing.

Suitable Materials:

Stainless steel, aluminum plate, cold plate, carbon steel, coated workpieces, galvanized plate.



BASIC PARAMETERS

Equipment processing width section	600/800/1000/1300/1600 mm	Polishing wheel size	Outer diameter 200 mm
Machining thickness	0.5-80 mm	Voltage	380 v
Feed rate	0.5-6 m/min	Work surface	900-980 mm

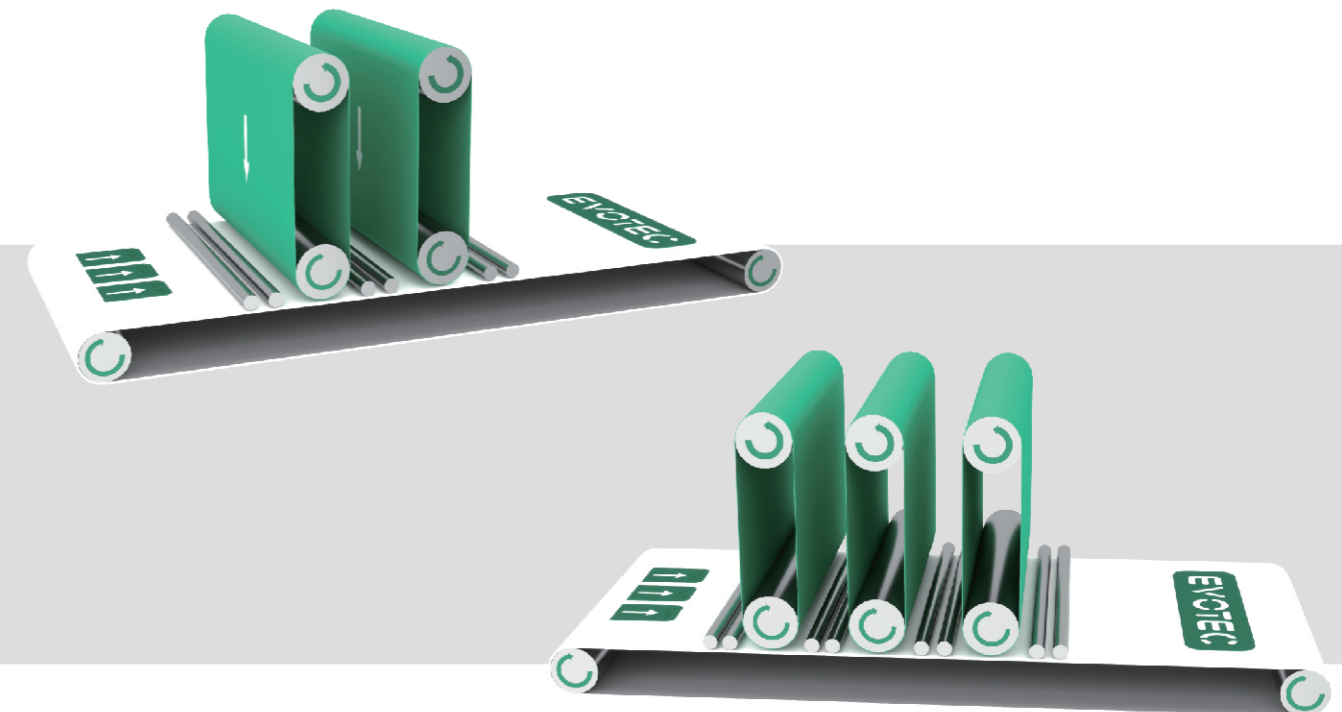
EQUIPMENT CHARACTERISTICS

- Wide sanding belt front position for deburring.
- Treatment for surface drawing.
- The surface of the product is brushed and polished.
- Can create long straight silk paths on the workpiece surface.
- Can machine surface micro-forming or surface-machined parts.
- Long life of consumables with uniform consumption.
- Easy to operate, intuitive, with a built-in LED light source for viewing.
- Check the internal processing condition.
- An optional wet dust collector to absorb dust during operation.

EQUIPMENT FUNCTIONS

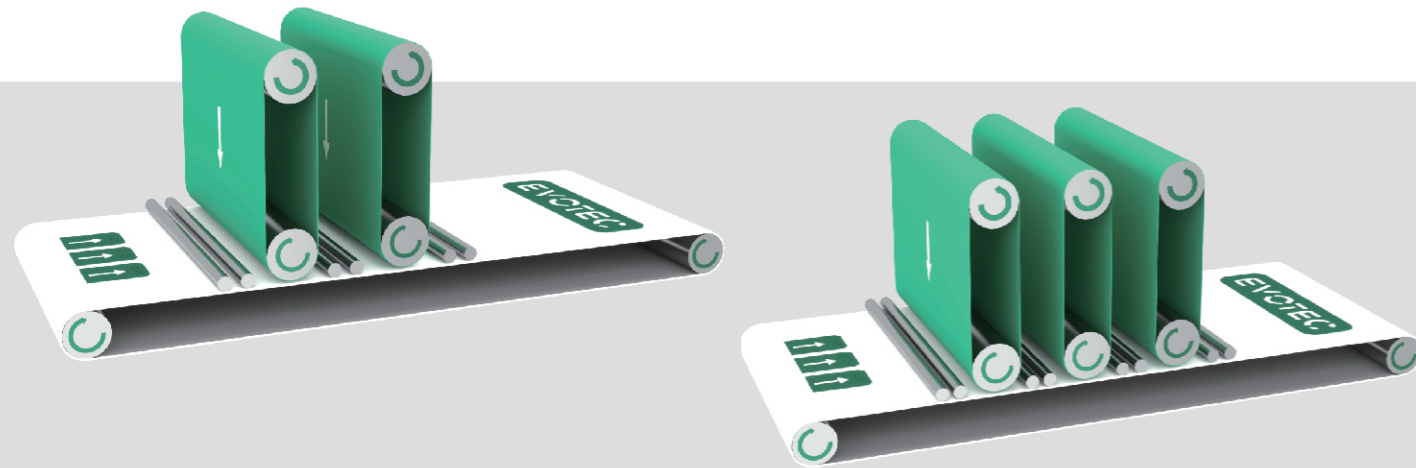
- Remove hard surface burrs.
- Remove cutting metal, cut raw edges.
- Surface polish with short straight wire.
- Polished with fine lines.
- Automatic abrasive compensation.
- Abrasive life indicator.
- Non-ferrous metal surface polishing and deoxidizing.

Can be customized according to different customer requirements



WSS

FLAT WET DRAWING MACHINE SERIES



Can be customized according to different customer requirements

EQUIPMENT CHARACTERISTICS

- Wet wire drawing machine with water grinding processing.
- The drawing lines are finer, and the surface roughness is higher.
- Optional extrusion roller, air knife, conveying platform, filter, and more.
- Mainly used for surface drawing processing of non-ferrous metals such as aluminum and copper plates.
- The water grinding process removes excess heat, preventing deformation of the product due to heat.

EQUIPMENT FUNCTIONS

- Remove hard surface burrs.
- Remove cutting slag.
- Surface drawing.
- Automatic abrasive compensation.
- Abrasive life indicator.
- Deoxidizing.

BASIC PARAMETERS

Equipment process width selection	600/800/1000/1300/1600 mm	Voltage	380 v
Machining thickness	0.5-80 mm	Processing medium	liquid
Feed rate	0.5-6 m/min	Work surface	900-980 mm



OPTIONAL STRUCTURE

A wide sanding belt or polishing roller is used for a better drawing effect, along with optional components like a squeezing roller, air knife, filter, and conveyor platform.

APPLICATION LIST

Suitable Cutting Processes:

Laser cutting, plasma cutting, flame cutting, NCT blanking, die stamping, shear cold processing.

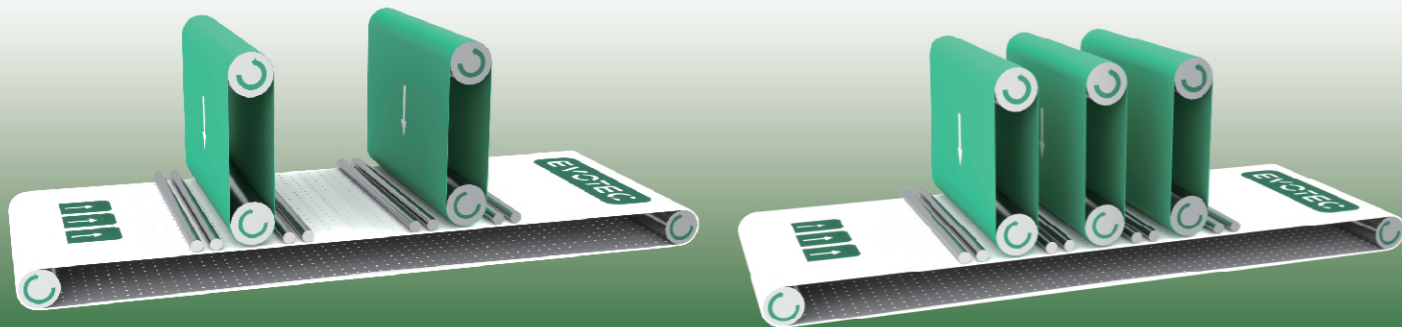
Suitable Materials:

Stainless steel, aluminum plate, cold plate, carbon steel, coated workpieces, galvanized plate.





Can be customized according to different customer requirements



BASIC PARAMETERS

Equipment processing width selection	600/1000/1300/1600 mm	Minimum machining size	10*10 mm (Magnetic adsorption)
Machining thickness	0.5-80 mm	Voltage	380 v
Feed rate	1-10 m/min	Work surface	900-980 mm

EQUIPMENT CHARACTERISTICS

- Marble conveying platform with high surface flatness and configuration.
- Part of the magnetic area.
- An optional wet collector to suction dust during operation.
- Mainly used to remove large burrs and oxide skin from thick carbon steel parts.

EQUIPMENT FUNCTIONS

- Remove large burrs with hard edges.
- Remove cutting slag.
- Remove surface oxide.
- Multiple groups of sand belts for large cutting.
- Some areas with strong magnetic adsorption, suitable for processing small carbon steel parts.

EQUIPMENT FUNCTIONS

- Delta PLC and touchscreen operating system.
- Grinding structure for uniform grinding and drawing of the plate surface.

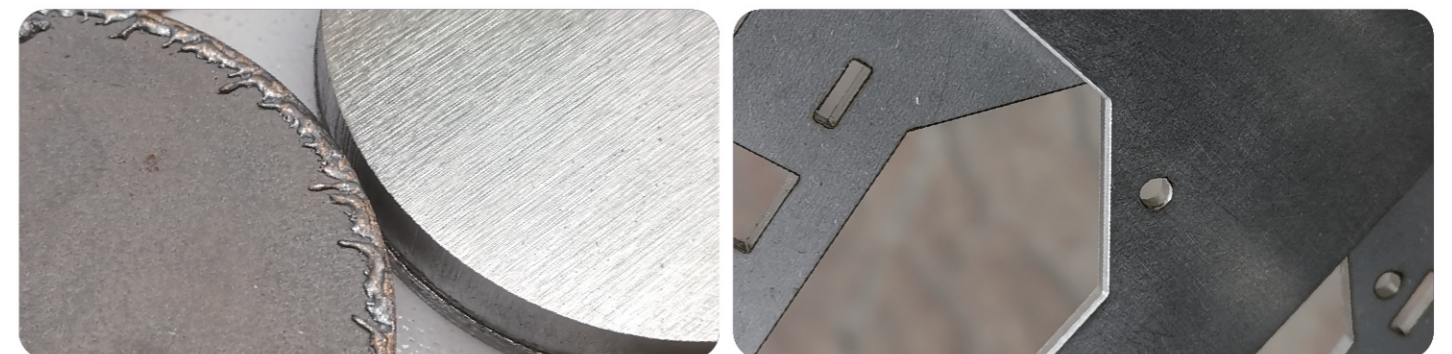
APPLICATION LIST

Suitable Cutting Processes:

Laser cutting, plasma cutting, flame cutting, NCT blanking, die stamping, shear cold processing.

Suitable Materials:

Stainless steel, aluminum plate, cold plate, carbon steel, coated workpieces, galvanized plate.



HydroDust 2.0

SERIES WET DUST COLLECTOR

EQUIPMENT CHARACTERISTICS

- Low energy consumption, low failure rate.
- High dust removal efficiency.
- The equipment has low resistance and is not easily clogged.
- Capable of handling high-temperature, high-moisture airflow, high-resistance dust, and flammable and explosive dust-containing gases.
- It removes dust while also cooling and purifying.

EQUIPMENT FUNCTIONS

- Some gaseous pollutants are removed.
- Effectively remove all types of dust.
- The dust purification efficiency can reach more than 90%.

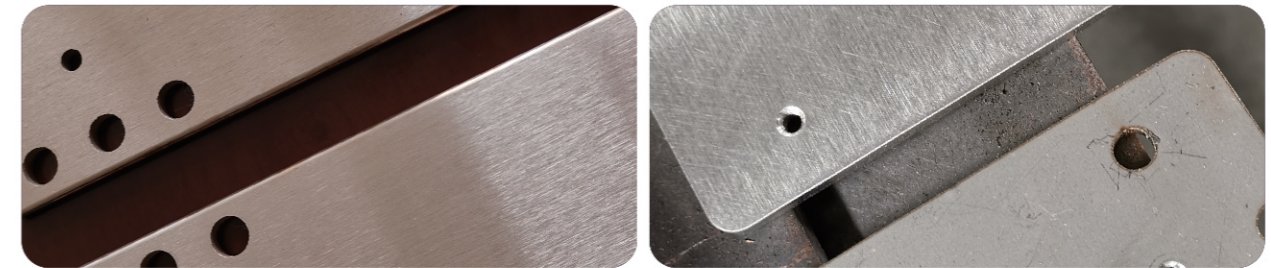


WET DUST COLLECTOR WORKING PRINCIPLE

Under the negative pressure created by the fan, the dust-containing gas enters the water filtration unit, where it is in close contact with the liquid (typically water). The device collects dust particles or increases their size through the inertial collision of water droplets and dust particles, among other effects. This process effectively removes liquid or solid particles with a diameter of 3 to 30 μ m, and can also remove certain gaseous pollutants. At the same time, the water rises with the airflow. Through the combined action of the water baffle and fog removal unit, gas-liquid separation is achieved, and the water flows back into the tank, enabling pump-free water circulation. The purification efficiency for dust particles above 10 μ m can reach over 90%.

SCOPE OF APPLICATION

It can be widely used in industries such as chemicals, machinery, spray painting, glazing, pigments, and other sectors dealing with moisture, stickiness, and flammable or explosive dust.



BASIC PARAMETERS

Equipment type	WDC-3000	WDC-5500	WDC-7500
Input power supply	AC380V (Three-phase five wire)		
Power (kW)	3.0 kw	5.5 kw	7.5 kw
Handling air volume (m ³ /h)	4146 m ³ /h	5962 m ³ /h	6416 m ³ /h
Total pressure (Pa)	1343 Pa	1723 Pa	3200 Pa
	ϕ 200	ϕ 300	ϕ 400
Dimensions LxWxH (mm) including air inlet	1400*1000*1900	1600*1250*2300	1800*1400*2500
Purification efficiency	\geq 90 %		