



- 1 DEBURRING
- 2 DESLAGGING
- 3 DESCALING
- 4 POLISHING
- 5 HAIRLINE FINISHING
- 6 EDGE ROUNDING
- 7 FILM APPLICATOR
- 8 SURFACE ROUGHENING



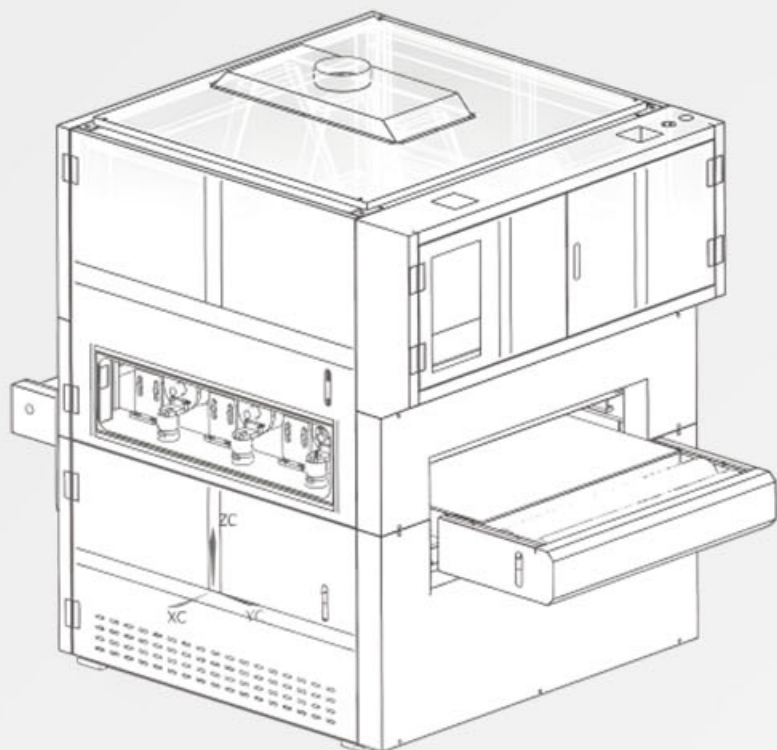
Jinan D.Ventus Mechanical Equipment Co.,Ltd.

+86 13256664133

info@deburringmachine.cn

www.deburringmachine.cn

**SHEET METAL
SURFACE
TREATMENT SPECIALIST**



COMPANY PROFILE

We are a manufacturer specializing in the research and development, production and sales of metal sheet deburring and grinding equipment. We have been adhering to the technology-based, service-oriented business philosophy, will offer the fastest and most high-quality professional services to the majority of users. The deburring machine series equipment include different combinations of wide abrasive belts, roller brushes and polishing roller, single or multi-station combination grinding multifunctional models. The equipment can achieve one-pass processing to uniformly remove slag burrs formed by laser cutting, shearing, plasma cutting, flame cutting, stamping, machining, etc. on metal sheets. Also it can achieve surface wire drawing and polishing for stainless steel, aluminum and brass. For film sheets and galvanized sheets, deburring can be achieved without damaging the surface.



01 PRODUCT INTRODUCTION
Deburring machine

DV-DR Series	[01/P]
DV-DRT Series	[02/P]
DV-DRF Series	[03/P]
DV-RR Series	[04/P]
DV-RRS Series	[05/P]
DV-RPR Series	[06/P]
DV-RPRF Series	[07/P]
DV-RRP Series	[08/P]
DV-RPH Series	[09/P]
Abrasive Materials / Product effect	[10/P]
DUST COLLECTOR	[11/P]

DV-DR Series

Deburring Machine For Thin Sheets



Machine Introduction

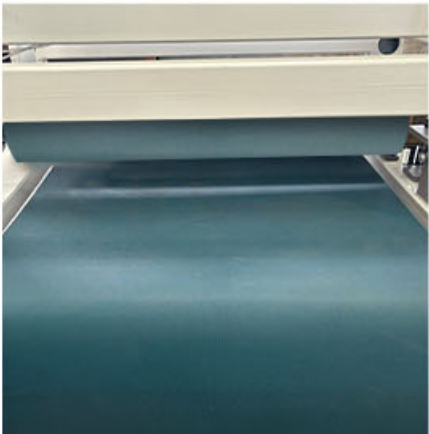
This equipment is a combination model of double dry abrasive sand belts. It is mainly used to process the surface of thin brass, aluminum, stainless steel and carbon steel sheets with small burrs for descaling and burrs removal produced in the process of stamping, shearing, laser cutting and plasma cutting, etc. Wire drawing effect of stainless steel can be also achieved.



Double Abrasive Sand Belts



Smart Control Button



Conveyor Table

Basic parameters

Maximum Processing Width	800mm/ 1000mm/ 1300mm/ 1600mm		
Sand Belt Size	1900*820mm/ 1900*1020mm/ 2200*1320mm/ 2200*1620mm		
Minimum Processed Size	≥ 50*50mm	Conveyor Feeding Speed	0.8-7m/min
Processing Thickness	0.5-80mm	Worktable Height	850-930mm
Equipment Noise	≤ 85dB	Wet Dust Collector	5.5kW/7.5kW

Applied blanking processes:

Laser cutting, plasma cutting, flame cutting, NCT blanking, mold stamping, shearing and cold processing

Applied materials:

Stainless steel, aluminum plate, cold plate, carbon steel, coated workpiece, galvanized plate

Process function:

Deburring, oxide layer removal, wire drawing for stainless steel

Application Cases



DV-DRT Series

Deburring Machine For Thick Sheets



Machine Introduction

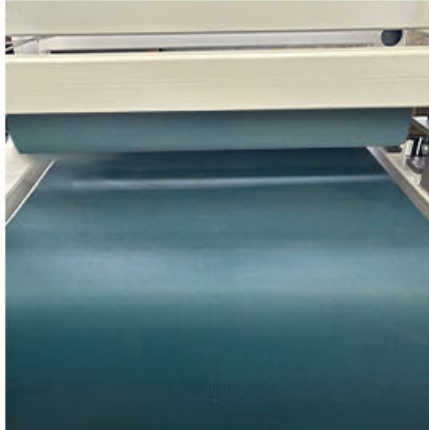
This equipment is a combination model with three pieces of dry abrasive sand belt to process larger burrs of carbon steel, galvanized steel and stainless steel, especially generated by a plasma cutter. Through-type processing will not damage the dimensional accuracy of workpieces. This equipment uses a high temperature resistant conveyor belt and a high power wet dust collector.



Three Abrasive Sand Belts



Smart Control Button



Conveyor Table

Basic parameters

Maximum Processing Width	800mm/ 1000mm/ 1300mm/ 1600mm		
Sand Belt Size	1900*820mm/ 1900*1020mm/ 2200*1320mm/ 2200*1620mm		
Minimum Processed Size	≥ 50*50mm	Conveyor Feeding Speed	0.8-7m/min
Processing Thickness	0.5-80mm	Worktable Height	850-930mm
Equipment Noise	≤ 85dB	Wet Dust Collector	5.5kW/7.5kW

Applied blanking processes:

Laser cutting, plasma cutting, flame cutting, NCT blanking, mold stamping, shearing and cold processing

Applied materials:

Stainless steel, aluminum plate, cold plate, carbon steel, coated workpiece, galvanized plate

Process function:

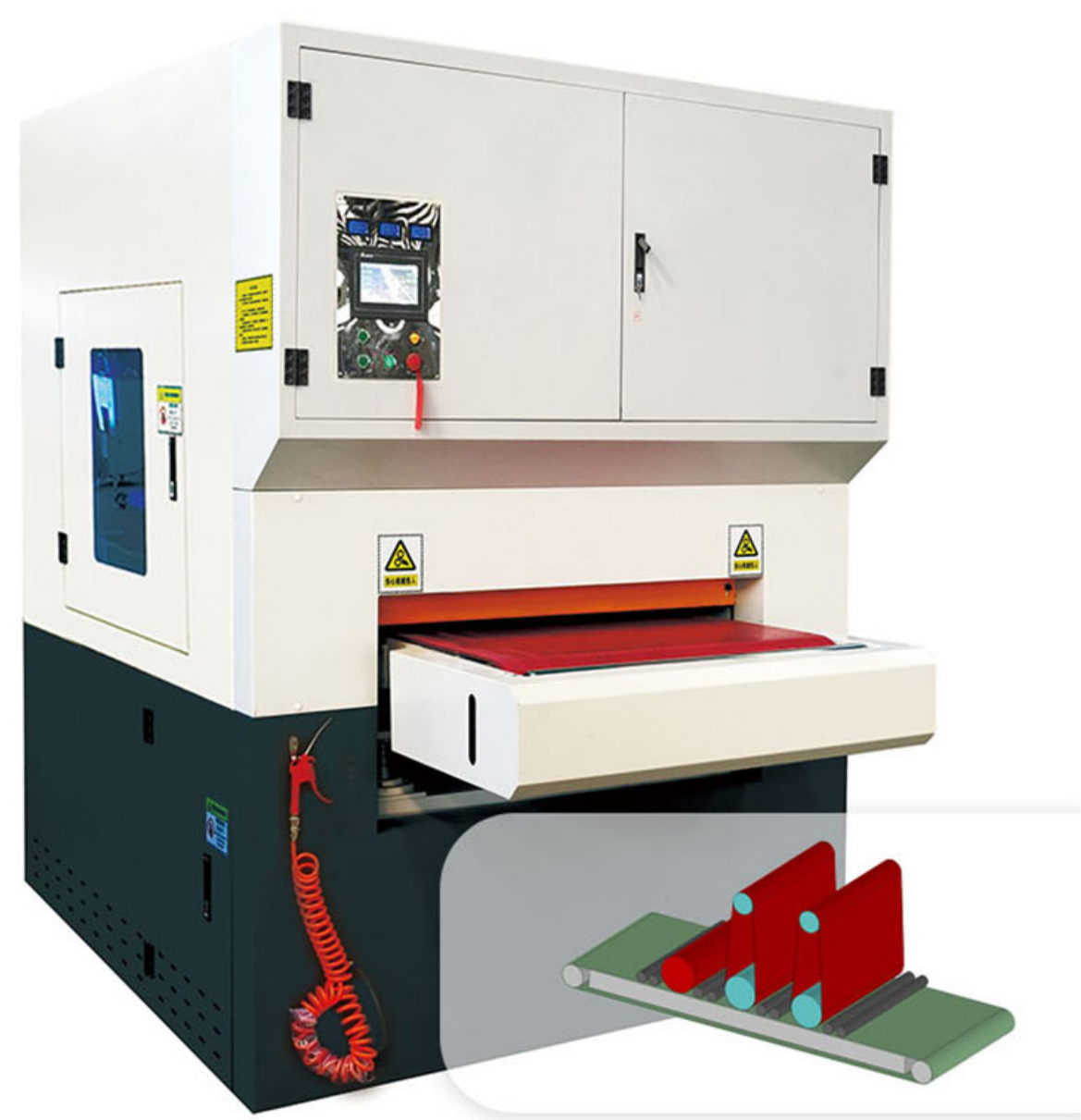
Deburring, oxide layer removal, carbon steel slag removal processed by plasma cutter

Application Cases



DV-DRF Series

Deburring Polishing Machine

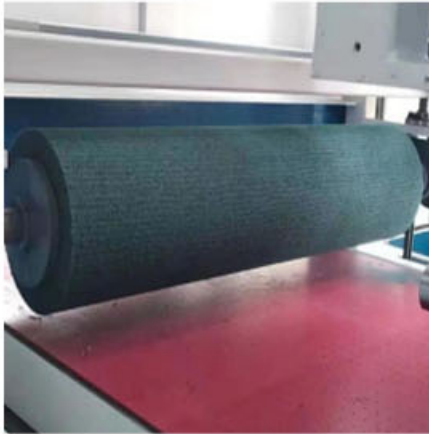


Machine Introduction

This equipment is a combination model with double dry abrasive sand belts and polishing roller. It is mainly used to process the surface of stainless steel , aluminum and brass sheets for wire drawing, hairline surface finishing, polishing and deburring after the process of stamping, shearing, laser cutting or plasma cutting, etc.



Double Abrasive Sand Belts



Polishing Roller



Conveyor Table

Basic parameters

Maximum Processing Width	800mm/ 1000mm/ 1300mm/ 1600mm		
Sand Belt Size	1900*820mm/ 1900*1020mm/ 2200*1320mm/ 2200*1620mm		
Minimum Processed Size	≥ 50*50mm	Conveyor Feeding Speed	0.8-7m/min
Processing Thickness	0.5-80mm	Worktable Height	850-930mm
Equipment Noise	≤ 85dB	Wet Dust Collector	5.5kW/7.5kW

Applied blanking processes:

Laser cutting, plasma, flame, NCT blanking, mold stamping, shearing and cold processing

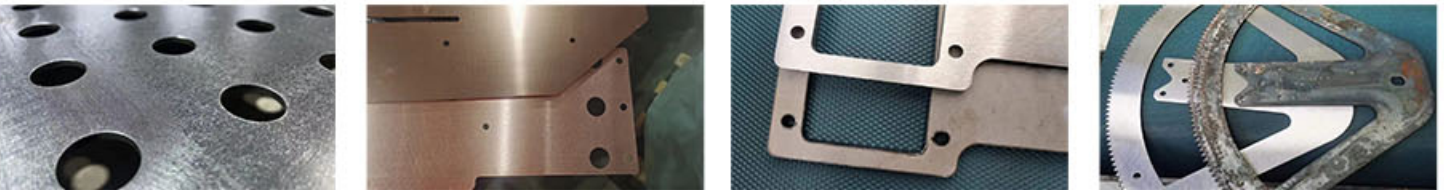
Applied materials:

Stainless steel, aluminum plate, cold plate, steel, coated workpiece

Process function:

Deburring, wire drawing, hairline finishing, polishing

Application Cases



DV-RR Series

Deburring and Chamfering Machine



Machine Introduction

Our DV-RR series equipment is a multi-station combined grinding machine, equipped wide abrasive sand belts and rotary roller brushes, reaching deburring and chamfering. Different stations of sand belts and roller brushes facilitate different functions for stainless steel/brass/aluminum and carbon steel/galvanized steel separately. Polishing effect is also available.



RRS Series



RPR Series



RRP Series

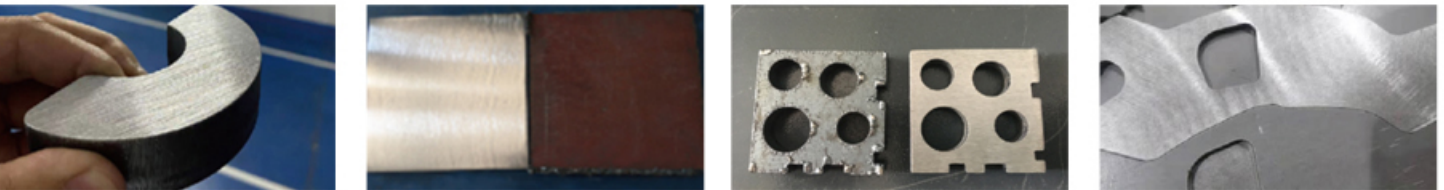


RPRF Series

Basic parameters

Minimum Processed Size	≥ 50*50mm	Edge Rounding Range	R0.1~1
Roller Brushes	4 piece/6 pieces/8 pieces/8 pieces		
Roller Brush Size	φ300*300mm/φ300*400mm		
Maximum Processing Width	800mm/ 1000mm/ 1300mm/ 1600mm		
Sand Belt Size	1920*820mm/ 1920*1020mm/ 2200*1320mm/ 2200*1620mm		

Application Cases



DV-RRS Series

Deburring and Chamfering Machine



Machine Introduction

This equipment is a combination model of single dry abrasive sand belt and rotary roller brushes . It is mainly used to process the surface of brass and aluminum sheets with small burrs for descaling, edge rounding and burrs removal produced in the process of stamping, shearing and laser cutting, etc. The process is safe and reliable, so that the workpiece can achieve perfect results at high efficiency.



RRS Series



Single Abrasive Sand Belt for Deburring



Rotary Roller Brushes For Chamfering



Delta PLC Control with Multiple Languages

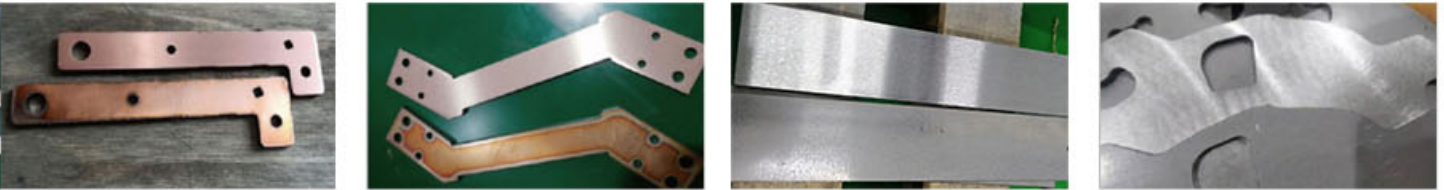
Basic parameters

Maximum Processing Width	800mm/ 1000mm/ 1300mm/ 1600mm		
Sand Belt Size	1900*820mm/2200*1020mm/2200*1320mm/2200*1620mm		
Roller Brush Size	4 pieces/ 6 pieces/8 pieces/8 pieces		
Maximum Processed Size	≥ 50*50mm	Conveyor Feeding Speed	0.5-8m/min
Roller Brush Moving Speed	8-20r/s	Processing Thickness	0.5-80mm

Applied materials: Thin aluminum and brass plate

Process function: Deburring,chamfering

Application Cases



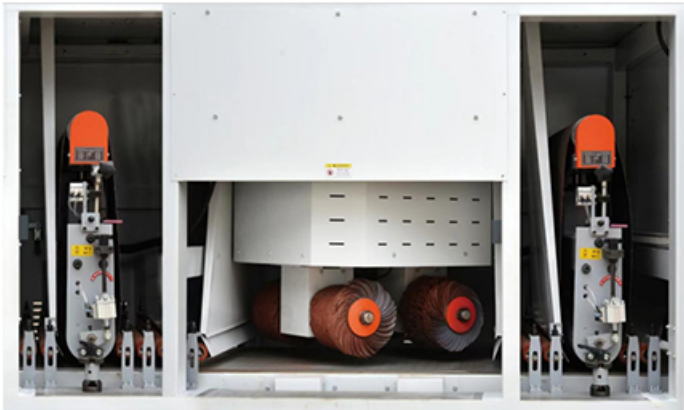
DV-RPR Series

Deburring and Chamfering Machine



Machine Introduction

This equipment is a combination model of double dry abrasive sand belts and rotary roller brushes. The rotary roller brushes are placed between the double abrasive sand belts. The equipment is mainly used to achieve descaling, deburring and chamfering for all metal sheets and also wire drawing for stainless steel .



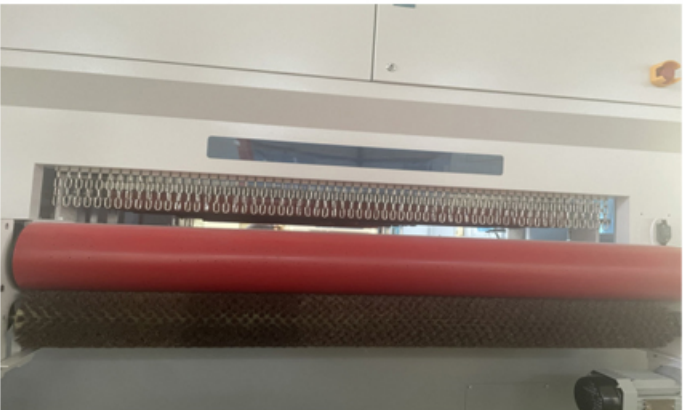
Different Positions of Sand Belts for Wire Drawing



Rotary Roller Brushes for Chamfering



Delta PLC Control with Multiple Languages



Vacuum Absorption Table

Basic parameters

Maximum Processing Width	800mm/ 1000mm/ 1300mm/ 1600mm		
Sand Belt Size	1900*820mm/2200*1020mm/2200*1320mm/2200*1620mm		
Roller Brush Size	4 pieces/ 6 pieces/8 pieces/8 pieces		
Maximum Processed Size	≥ 50*50mm	Conveyor Feeding Speed	0.5-8m/min
Roller Brush Moving Speed	8-20r/s	Processing Thickness	0.5-80mm

Applied materials: Stainless steel, thick aluminum and brass plate

Process function: Deburring, chamfering, film application, wire drawing for SS

Application Cases



DV-RPRF Series

Deburring Chamfering and Polishing Machine

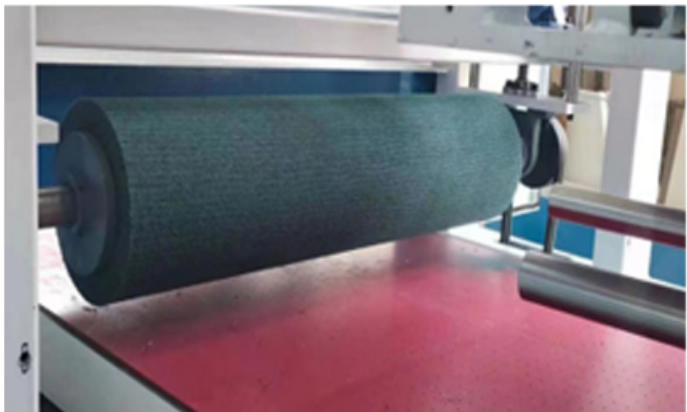


Machine Introduction

This equipment is a combination model of double dry abrasive sand belts, rotary roller brushes and polishing roller. The rotary roller brushes are placed between the double abrasive sand belts, achieving chamfering, deburring and wire drawing for stainless steel, brass and aluminum. Also, polishing roller is placed to achieve hairline and polishing surface.



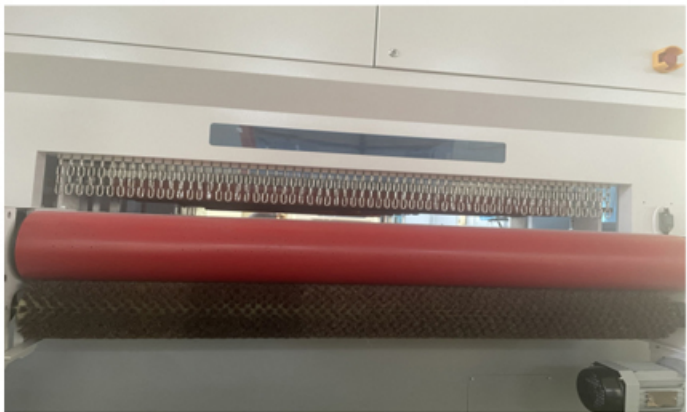
Abrasive sand belts+roller brushes+polishing roller



Polishing Roller



Delta PLC Control with Multiple Languages



Vacuum Absorption Table

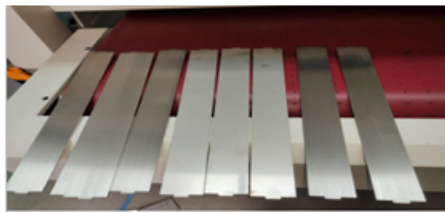
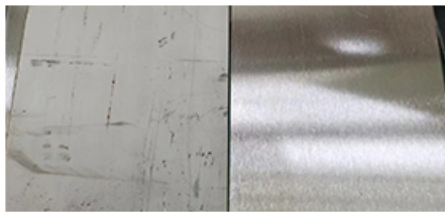
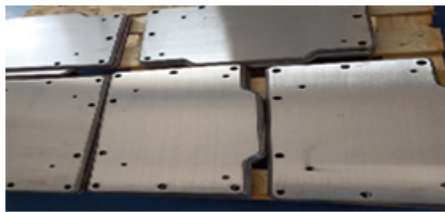
Basic parameters

Maximum Processing Width	800mm/ 1000mm/ 1300mm/ 1600mm		
Sand Belt Size	1900*820mm/2200*1020mm/2200*1320mm/2200*1620mm		
Roller Brush Size	4 pieces/ 6 pieces/8 pieces/8 pieces		
Maximum Processed Size	≥ 50*50mm	Conveyor Feeding Speed	0.5-8m/min
Roller Brush Moving Speed	8-20r/s	Processing Thickness	0.5-80mm

Applied materials: Stainless steel, thick aluminum and brass plate

Process function: Deburring, chamfering, film application, wire drawing, hairline finishing, polishing

Application Cases



DV-RRP Series

Deburring and Chamfering Machine

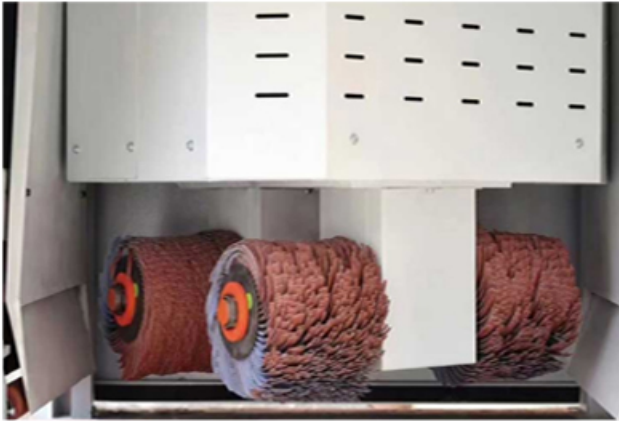


Machine Introduction

This equipment is a combination model of double dry abrasive sand belts and rotary roller brushes. The side-by-side abrasive sand belts with different meshes can achieve larger burrs removal and then a smooth finish for carbon steel . It is applied for descaling and chamfering, also burrs and slat removal generated by stamping, shearing, laser cutting, plasma cutting, etc.



RRP Series



Rotary Roller Brushes for Chamfering



Double Sand Belts for Deburring



Delta PLC Control with Multiple Languages

Basic parameters

Maximum Processing Width	800mm/ 1000mm/ 1300mm/ 1600mm		
Sand Belt Size	1900*820mm/2200*1020mm/2200*1320mm/2200*1620mm		
Roller Brush Size	4 pieces/ 6 pieces/8 pieces/8 pieces		
Maximum Processed Size	≥ 50*50mm	Conveyor Feeding Speed	0.5-8m/min
Roller Brush Moving Speed	8-20r/s	Processing Thickness	0.5-80mm

Applied materials: Carbon steel after laser and plasma cutting

Process function: Deburring, slag removal, chamfering, oxide layer removal

Application Cases



DV-RPH Series

Deslagging Chamfering Machine



Machine Introduction

This equipment is a combination model of hammer set, dry abrasive sand belt and rotary roller brushes. The hammer set will remove the large slags firstly and then the abrasive sand belts facilitate the small burrs and oxide layer removal. Finally, edge rounding is achieved by the roller brushes. The whole process is thorough, stable and safe. It is applied for workpieces processed by stamping, shearing, laser cutting, plasma cutting, etc.



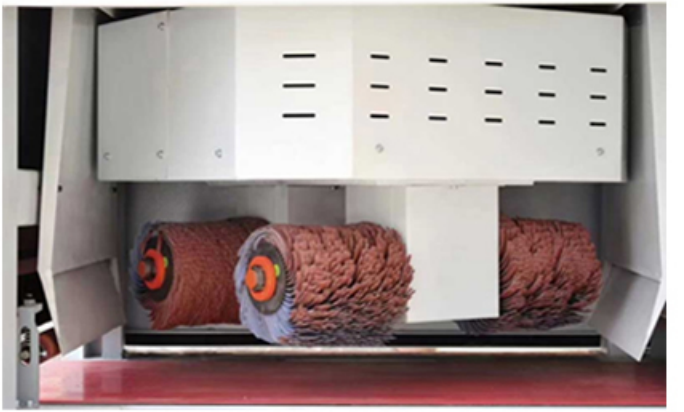
RPH Series



Hammer Device For Deslagging



Abrasive Sand Belts For Deburring



Rotary Roller Brushes For Chamfering

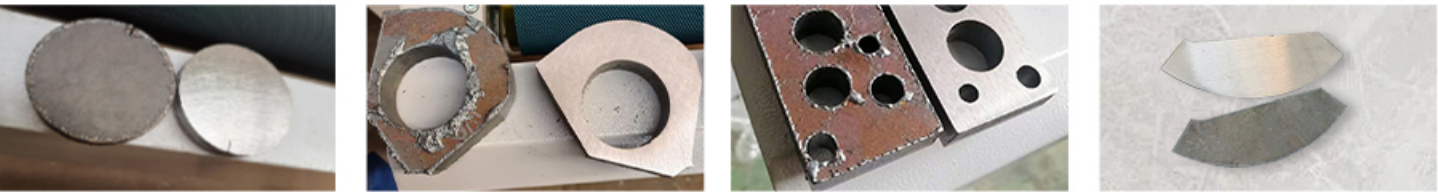
Basic parameters

Maximum Processing Width	800mm/ 1000mm/ 1300mm/ 1600mm		
Sand Belt Size	1900*820mm/2200*1020mm/2200*1320mm/2200*1620mm		
Roller Brush Size	4 pieces/ 6 pieces/8 pieces/8 pieces		
Maximum Processed Size	≥ 50*50mm	Conveyor Feeding Speed	0.5-8m/min
Roller Brush Moving Speed	8-20r/s	Processing Thickness	0.5-80mm

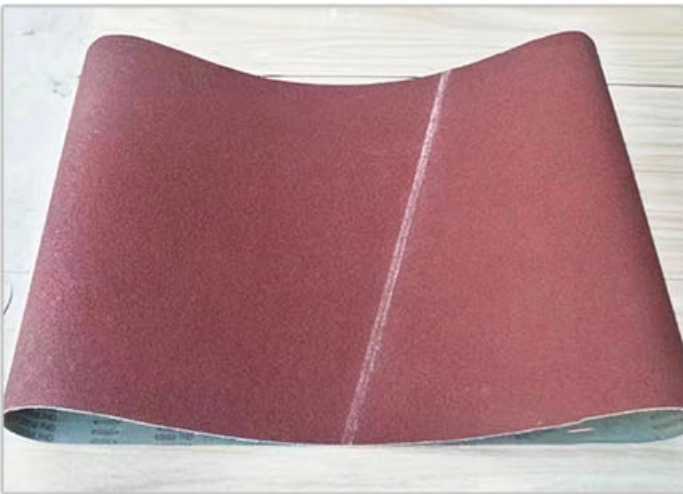
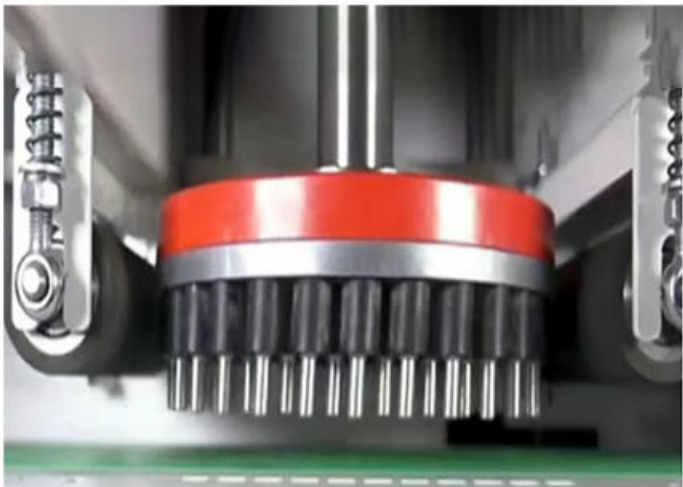
Applied materials: Carbon steel after laser and plasma cutting

Process function: Deburring, slag removal, chamfering, oxide layer removal

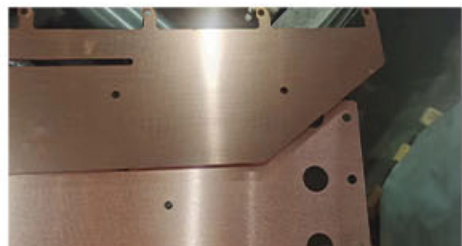
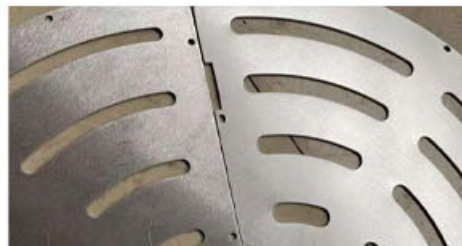
Application Cases



ABRASIVE MATERIALS



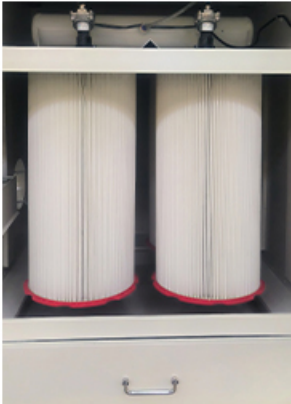
PRODUCT EFFECT



DRY DUST COLLECTOR



Dry Dust Collector Parameters			
Model	DV-DCD	Consumables	Filter
Power	5.5kW/7.5kW	Filter QTY	4 pieces/6 pieces
Weight	Delixi or Chint	Weight	350kg/380kg
Voltage	220V/380V/415V/440V/480V		



WET DUST COLLECTOR



Dry Dust Collector Parameters			
Model	DV-DCW	Consumables	Water
Power	6.6kW/8.6kW	Tank capacity	650L
Weight	Delixi or Chint	Weight	350kg/380kg
Voltage	220V/380V/415V/440V/480V		

