



Nanjing Dyyrent Machine Technology Co., LTD

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Scan the website



## METAL SURFACE PROCESSING MACHINES

[WWW.DYYRENT.BIZ](http://WWW.DYYRENT.BIZ)



Deburring



Oxide removal



Edges rounded



Deslagging



Polishing



NANJING DYYRENT MACHINE TECHNOLOGY CO., LTD



**DRM14**  
.....  
SERIES



**DRG**  
.....  
SERIES



**DRL**  
.....  
SERIES



**DRP**  
.....  
SERIES



**DRJ**  
.....  
SERIES



**DRS**  
.....  
SERIES

## Company profile

Nanjing Dyyrent Machine Technology Co., Ltd. is located in Nanjing, Jiangsu, the "capital of the Six Dynasties". It is a high-tech enterprise integrating R&D, production, sales and service.

The company has a professional R&D technical team, and has developed a full range of CNC machine tools, including metal deburring machines, metal wire drawing machines, conveying equipment, five-axis grinders, polishing machines, automated production lines and other series of automated grinding machine tools. The company caters to market demand and has developed a series of DR metal grinding machines for polishing, wire drawing and deburring of metal surfaces such as stainless steel, carbon steel, aluminum plates and copper plates.

At present, the company's sales and service network is all over the world. The company has served customers for more than 5,000 cases and radiates more than 80 industries. It responds to the service hotline in time 7x24H, provides door-to-door service 24H in China, and has guaranteed after-sales service, providing customers with comprehensive, convenient and fast technical service support. The company always adheres to the business philosophy of "quality first", "reputation first", "service first" and "customer first", and adheres to the policy of "keep improving and continuous improvement" to provide customers with satisfactory products and high-quality services.

In the future, Dyyrent Machine will keep up with the development trend of the times, focus on the forefront of the industry, strive for the new direction of the development of the metal surface grinding industry, and contribute to the further development of word's CNC machine tools.

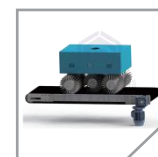


## Machine configuration



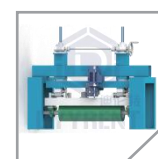
### DEBURRING AND FINISHING (S)

Abrasive belt station function: The motor drives the grinding roller to rotate at high speed to perform drawing, polishing, descaling, and deburring on the workpiece surface.



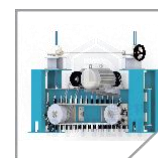
### DEBURRING AND EDGES ROUNDED (G)

Roller brushing station function: Friction and tapping on the edge of the workpiece surface to make the contour edges around the workpiece surface and inside the hole smooth and rounded, producing a rounded corner effect.



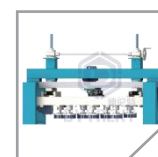
### POLISHING AND BRUSHING(L)

Polishing station function : Driven by the revolution shaft, the roller brush rotates at high speed to beat the workpiece, and swings left and right to achieve wire drawing and polishing effects on the metal surface.



### DESLAGGING(J)

Deslagging station function : two hammer belts rotate left and right to knock slag on the metal surface.



### DEBURRING DISC(P)

Deburring disc station Function : Multiple burring discs rotate at high speed and the entire station swings left and right, beating the surface of the workpiece to remove burrs on the edges and inner holes of the workpiece and produce a uniform R angle without destroying the dimensional accuracy of the workpiece.



# EQUIPMENT OPTIONAL ACCESSORIES

Vacuum adsorption (optional)

Dust removal equipment (optional)



Deburring



Oxide removal



Edges rounded

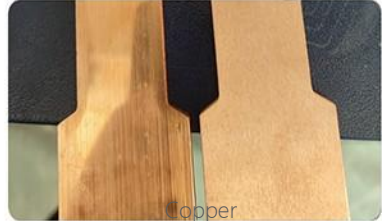
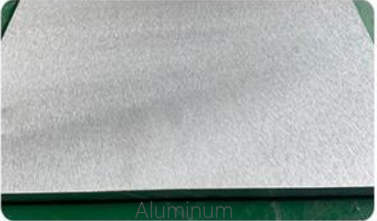


Deslagging



Polishing

.....  
SCOPE OF APPLICATION



.....  
CONSUMABLE PARTS  
CATALOG

Grinding consumables, abrasive belts, polishing/drawing wheels, brush discs, abrasive belts, universal roller brushes.



## DRG SERIES

DRG series are deburring and edge rounding machines. Finishing and laser oxide removal of various sheet metal parts.



Deburring



Oxide removal



Edges rounded



Deslagging



Polishing



### PRODUCT DESCRIPTION

Roller brushing: brushing wheel abrasive rotates at high speed (self-rotation) and revolves 360° to grind the 90° corner edge of the workpiece, so that the contour edges around the surface of the workpiece and in the hole are smooth and round, producing rounded corner effect. The equipment is used in: surface drawing, polishing, descatching, deburring, and obtuse angle of laser cutting parts, stamping parts, water jet cutting, plasma cutting parts and flame cutting parts.

### Parameter :

DRG

... .. SERIES

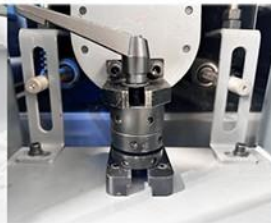
Processing width	600mm 800mm 1000mm 1300mm 1600mm
Processing thickness	0.5-100mm
Feeding-table adsorption method: strong permanent magnetic adsorption (minimum workpiece size $\geq 20 \times 20$ ), vacuum adsorption (minimum workpiece size $\geq 50 \times 50$ ), semi-magnetic adsorption and semi-vacuum adsorption	
Automatic thickness setting device: four-column connecting rod synchronous lifting, lifting servo motor, lifting accuracy $+0.01\text{mm}$	
Processing speed	conveying speed $0.8\text{m}-9\text{m}/\text{min}$ (variable frequency adjustable)
Abrasive belt speed	$2.2-11\text{m}/\text{sec}$ (variable frequency adjustable)
Thousand-wire wheel linear speed	$9-20\text{r}/\text{sec}$ (variable frequency adjustable)
Roller brush revolution speed	$19\text{r}/\text{min}$
Complete machine plc control touch screen adjustment parameters	
Equipped wet industrial dust collector or pulse flame retardant dust collector to handle dust and achieve safe and environmentally friendly production	



Abrasive Belt Servo Correction



Conveyor



Abrasive Belt Replacement Device

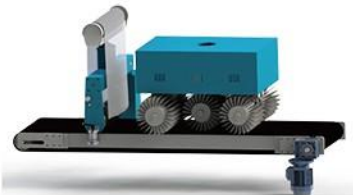
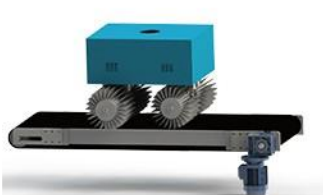


Screen

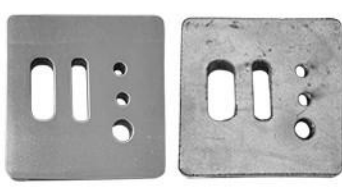


Product Details

### Multi-Model Combination



### Sample Before And After Comparison Pictures





## DRJ SERIES

DRJ series is a machine that efficiently removes slag from the edges of workpiece surface contours and holes, creating a slag-free effect.



### PRODUCT DESCRIPTION

Deslagging: The slag removal station is equipped with two belts at the front and rear. Metal hammer heads are installed on the belts. The belts rotate at high speed driven by the motor, and the hammer heads remove slag from the surface of the workpiece.



Deburring



Oxide removal



Edges rounded



Deslagging



Polishing

### Parameter :

DRJ ..... SERIES

Processing width 600mm 800mm 1000mm 1300mm

Processing thickness 0.5-80mm

Feeding table adsorption method: strong permanent magnetic adsorption (minimum workpiece size  $\geq 20 \times 20$ ), vacuum adsorption (minimum workpiece size  $\geq 50 \times 50$ ), semi-magnetic adsorption and semi-vacuum adsorption

Automatic thickness setting device: four-column connecting rod synchronous lifting, lifting servo motor, lifting accuracy  $+0.01\text{mm}$

Processing speed conveying speed 0.8m-9m/min (variable frequency adjustable)

Hammer speed 2.2-11m/sec (variable frequency adjustable)

Complete machine plc control touch screen adjustment parameters

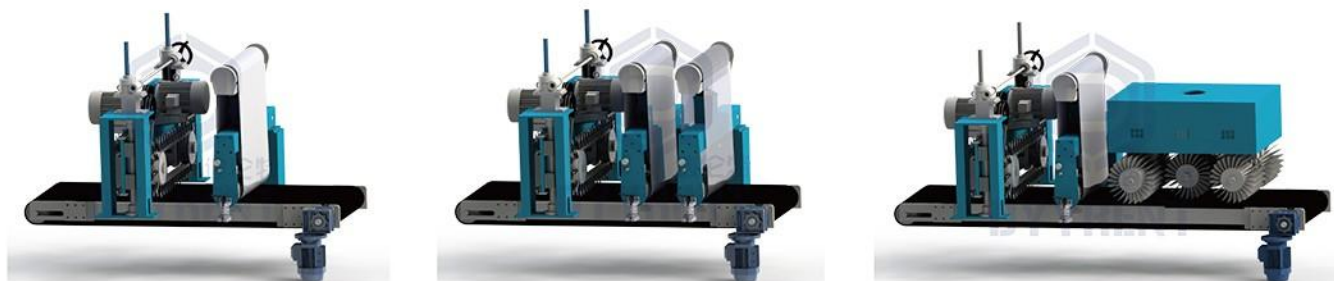
Equipped wet industrial dust collector or pulse flame retardant dust collector to handle dust and achieve safe and environmentally friendly production



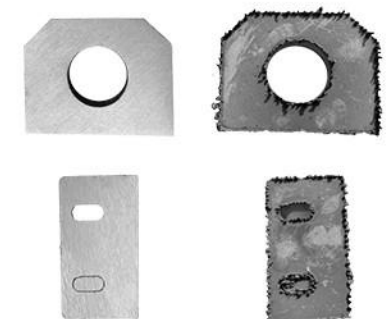
Product Details

Deslagging

### Multi-Model Combination



### Sample Before And After Comparison Pictures



## DRL SERIES



DRL series is metal surface polished and wire drawing (HL). Various metal surface treatments, simple operation. During processing, the polishing roller rotates at high speed and swings left and right to achieve the required processing effect.



Deburring



Oxide removal



Edges rounded



Deslagging



Polishing

### PRODUCT DESCRIPTION

Polishing roller: The polishing roller rotates (rotates) at high speed and swings left and right to make the surface of the workpiece smooth and round and can draw the metal surface. The equipment is used for: stainless steel, aluminum plate, copper plate drawing laser cutting parts, stamping parts, water jet cutting, plasma cutting Surface drawing and polishing of parts and flame-cut parts.

### Parameter :

DRL  
.....  
SERIES

Processing width	600mm 800mm 1000mm 1300mm 1600mm
Processing thickness	0.5-100mm
Feeding-table adsorption method:	strong permanent magnetic adsorption (minimum workpiece size $\geq 20 \times 20$ ), vacuum adsorption (minimum workpiece size $\geq 50 \times 50$ ), semi-magnetic adsorption and semi-vacuum adsorption
Automatic thickness setting device:	four-column connecting rod synchronous lifting, lifting servo motor, lifting accuracy $+0.01\text{mm}$
Processing speed	conveying speed $0.8\text{m}-9\text{m}/\text{min}$ (variable frequency adjustable)
Polishing roller speed	$2.2-11\text{m}/\text{sec}$ (variable frequency adjustable)
Swing speed	$9-20\text{r}/\text{sec}$ (variable frequency adjustable)
Complete machine plc control touch screen adjustment parameters	
Equipped wet industrial dust collector or pulse flame retardant dust collector to handle dust and achieve safe and environmentally friendly production	



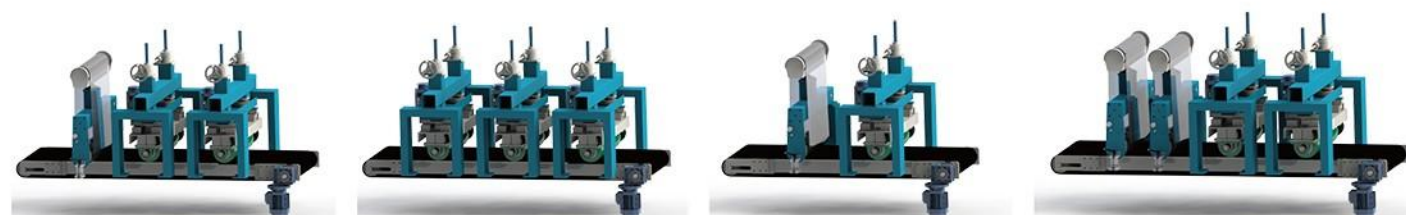
Product Details

Polishing Roller

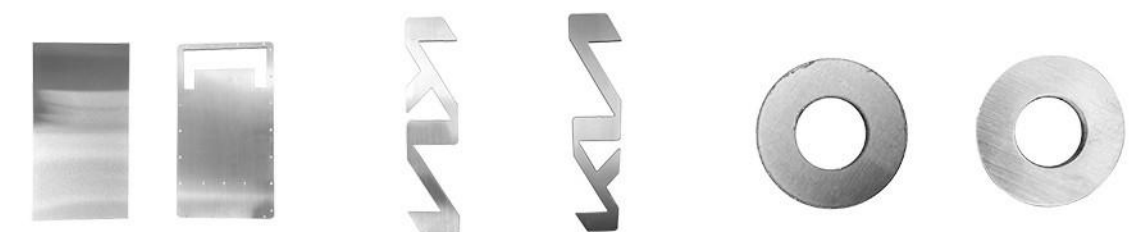
Polishing Roller Device

Screen

### Multi-Model Combination



### Sample Before And After Comparison Pictures



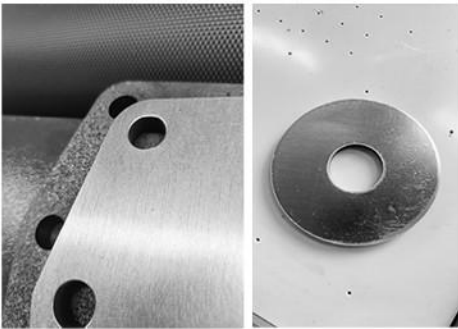


**DRM14**  
 .....  
 SERIES

**DRM14 MANUAL GRINDER**



DRM14 is a manual deburring grinder. This model replaces the automatic equipment and can deburr, chamfer and remove slag.

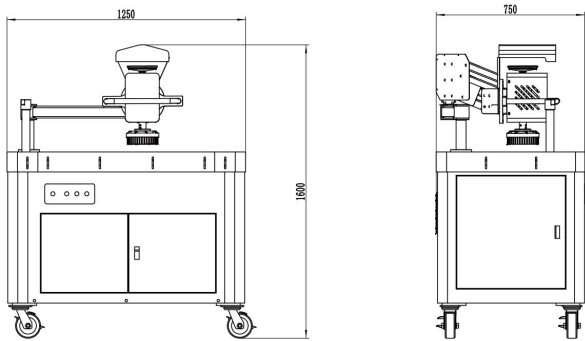
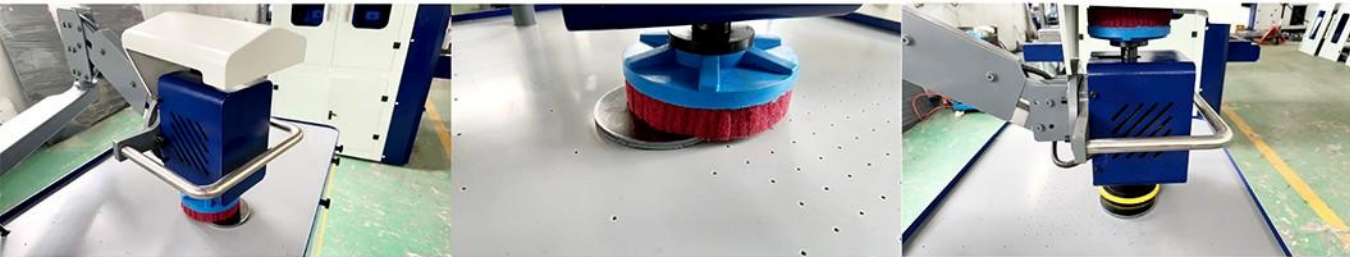


**PRODUCT DESCRIPTION**

There are two grinding heads and a disc brush for deburring and chamfering. You can also replace the hammer grinding disc for slag removal. One end is equipped with a sandpaper grinding head for fine grinding, oxide removal, and burr removal after laser cutting.  
 The rocker arm of the equipment can be moved 180° at will, which is convenient for processing and easy to operate. It is simple and convenient to change abrasives.  
 Vacuum fixed workpiece: The equipment is equipped with a vacuum adsorption machine inside, and the workpiece is fixed on the worktable during processing to be better operated.

**Parameter :**

DRM14	..... SERIES
Vacuum adsorption part	300*300mm
Workpiece on the platform	1000x750mm
Workpiece not on the platform	1400x1400mm
Cantilever working range	1400mmx360°
Workpiece thickness range	1-150mm
Grinding head power	0.75kw
Grinding head number	2
Dust suction air mileage	1000m3/h
Total power	3.86KW
Volume	1250x750x1500mm



# DRP SERIES

DRP series is a brush disk structure. A group of workstations is equipped with 7 to 9 brush disks. During processing, the brush disks rotate on their own and swing left and right or rotate 360° to deburr the surface of the workpiece.



## PRODUCT DESCRIPTION

Disk brushing: Deburs the edges and holes of the workpiece so that the surface of the workpiece does not sag and all rhombus-edge holes achieve a uniform R-arc. Scope of application of the equipment: Suitable for precision stamping parts, gear parts, automotive parts, powder metallurgy parts, machined parts, etc.



Deburring



Oxide removal



Edges rounded



Deslagging



Polishing

## Parameter :

DRP

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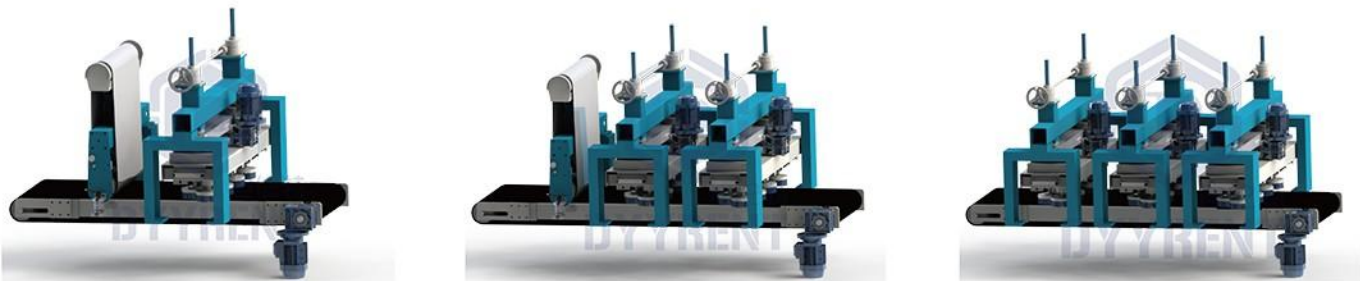
SERIES

...

Processing width	600mm 800mm 1000mm 1300mm
Processing thickness	0.5-80mm
Feeding table adsorption method: strong permanent magnetic adsorption (minimum workpiece size $\geq 20*20$ ), vacuum adsorption (minimum workpiece size $\geq 50*50$ ), semi-magnetic adsorption and semi-vacuum adsorption	
Automatic thickness setting device: four-column connecting rod synchronous lifting, lifting servo motor, lifting accuracy $+0.01\text{mm}$	
Processing speed	conveying speed 0.8m-9m/min (variable frequency adjustable)
Brush disk speed	2.2-11m/sec (variable frequency adjustable)
Swing speed	3-10r/sec (variable frequency adjustable)
Complete machine plc control touch screen adjustment parameters	
Equipped wet industrial dust collector or pulse flame retardant dust collector to handle dust and achieve safe and environmentally friendly production	



## Multi-Model Combination



## Sample Before And After Comparison Pictures





## DRS SERIES

DRS series is an abrasive belt mechanism that rotates at high speed to remove burrs such as slag particles, scale, and large flanges on the surface of the workpiece.



### PRODUCT DESCRIPTION

Abrasive belt: The polishing roller rotates at high speed to remove burrs and slag from the metal surface. It is used for drawing stainless steel, aluminum plates, and copper plates. Surface drawing, polishing, burr removal, and slag removal of laser cutting parts, stamping parts, water jet cutting, plasma cutting parts, and flame cutting parts.



Deburring



Oxide removal



Edges rounded



Deslagging



Polishing

### Parameter :

DRS

..... SERIES

Processing width 600mm 800mm 1000mm 1300mm 1600mm

Processing thickness 0.5-100mm  
Feeding table adsorption method: strong permanent magnetic adsorption (minimum workpiece size  $\geq 20 \times 20$ ), vacuum adsorption (minimum workpiece size  $\geq 50 \times 50$ ), semi-magnetic adsorption and semi-vacuum adsorption

Automatic thickness setting device: four-column connecting rod synchronous lifting, lifting servo motor, lifting accuracy  $\pm 0.01\text{mm}$

Processing speed conveying speed 0.8m-9m/min (variable frequency adjustable)

Abrasive belt speed 2.2-11m/sec (variable frequency adjustable)

Complete machine plc control touch screen adjustment parameters

Equipped wet industrial dust collector or pulse flame retardant dust collector to handle dust and achieve safe and environmentally friendly production



Product Details



Abrasive belt



Screen



Abrasive belt pneumatic correction device

### Multi-Model Combination



### Sample Before And After Comparison Pictures

