



Metal Finishing Equipment

Sanding, deburring and edge rounding for sheet metal components

2026 ENGLISH CATALOG

Nine models
900 to 1300 mm conveyor widths



Kinyo (Tianjin) Machinery Co., Ltd.

KinyoMach.com

sales@kinyomach.com

MACHINERY / PARTS / ACCESSORIES

Explore the range

From the workpiece to the finishing
process

2026

**03****About KINYOMACH**

Company and product focus

04-07**Applications and processes**

Materials and processing technologies

08**Machine selection**

Compare all nine models

09-17**Equipment specifications**

Machine features, layouts and technical data

18-21**Engineering and results**

Workpiece control and before and after examples

22-24**Accessory systems**

Vacuum stations and dust collection

25-27**Operation and support**

Consumables, warranty and documentation

About KINYOMACH

Kinyo (Tianjin) Machinery Co., Ltd.

Kinyo (Tianjin) Machinery Co., Ltd. supplies machinery and related parts and accessories. Under the KINYOMACH brand, this catalog presents equipment for metal sanding, deburring, edge rounding and surface finishing.

The range covers dedicated sanding machines, brush deburring machines and combined systems. Our product offering is expanding across related machinery and accessories.

Equipment and accessory sales

Select the machine, process configuration and supporting accessories around your workpiece.



09

models in this catalog
900 to 1300 mm conveyor widths

Start with the workpiece

Match the incoming burr and the required finish before choosing a machine

Incoming condition	Process approach	Relevant equipment
Stamping or shearing burrs and sharp edges	Brush deburring and edge rounding	R900 / R1000 / R1300
Soft burrs on thin laser cut sheet	Brush finishing after a sample assessment	R series or combined systems
Adherent cutting burrs, slag or surface scale	Abrasive belt treatment before finer finishing	B1000 or combined systems
Deburring plus a directional surface finish	Combined belt and brush processing	BR1000 / BBR1000 / BBR1300
A final abrasive or brushing stage is required	Select the process sequence around the finish	BRB1000 / BBR1000H

Materials

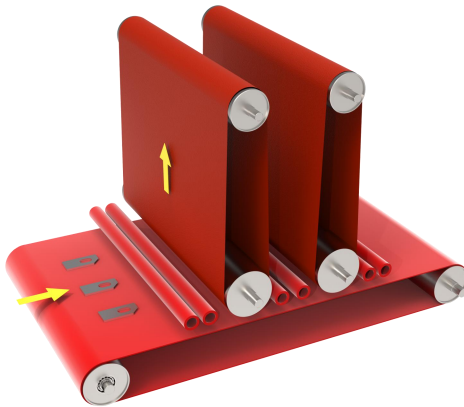
Carbon steel, stainless steel, copper, aluminum and alloy sheet. Coated or film covered sheet requires process trials.

Information that changes the selection

Material, part size, thickness, burr condition, edge target, finish direction and production requirements.

Wide abrasive belt sanding

Surface preparation and directional finishing



How it works

A wide abrasive belt grinds the passing workpiece. A coarse stage can remove adherent burrs and surface scale; a finer stage develops a more even finish.

Process control

The B1000 uses two abrasive belts with automatic tracking correction. Match grit, feed speed and contact settings to the material and incoming surface.

Typical applications

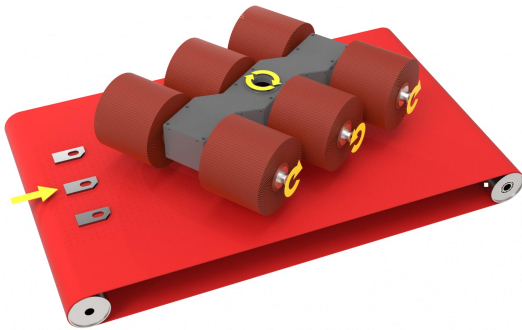
Cutting burr and slag removal, rust and oxide removal, sanding and straight grain finishing.



Abrasive belt grit options: 40-320. Final abrasive selection depends on the application.

Rotating brush deburring

Burr removal and edge rounding around external edges and openings



How it works

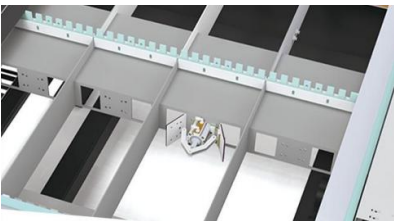
Roller brushes combine individual rotation with alternating motion. The abrasives approach the workpiece from different directions to treat edges and openings.

Where it fits

Typical applications include stamping and shearing burrs, sharp edges and soft burrs on thin laser cut sheet. Select four or six roller brushes within this range.

Brush configurations

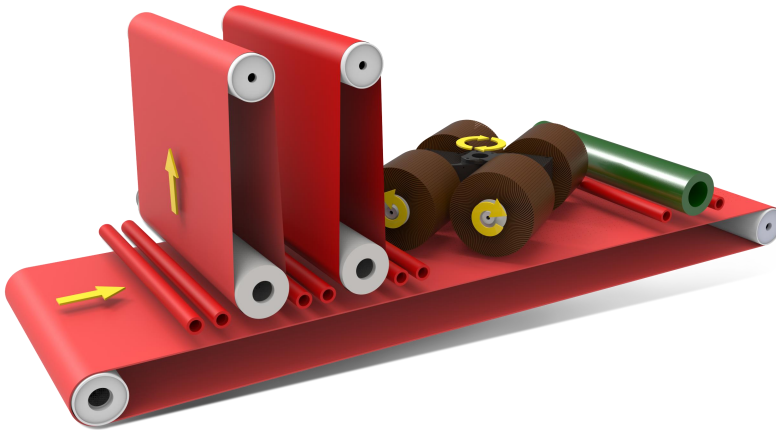
R900 and R1000 use four brushes. R1300 uses six roller brushes with a 1300 mm conveyor.



Brush grit options: 40-600. Listed edge radius: R0.2-0.8 mm. The achieved result depends on the workpiece and settings.

Combined sanding and deburring

Choose the sequence that matches both the edge and the surface



Abrasive belts handle surface preparation while rotating brushes treat burrs and edges. The processing modules can be selected independently according to the job.

A downstream belt or finishing brush adds a further stage when the final surface texture is part of the requirement.

Configuration	Processing sequence	Model
One belt and roller brushes	Belt -> 4 roller brushes	BR1000
Two belts and roller brushes	2 belts -> 4 or 6 roller brushes	BBR1000 / BBR1300
Belt before and after roller brushes	Belt -> 4 roller brushes -> belt	BRB1000
Additional finishing brush	2 belts -> 4 roller brushes -> finishing brush	BBR1000H

Compare the nine models

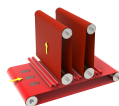
Select by process arrangement and conveyor width

Model	Process arrangement	Conveyor width mm	Max work height mm	Rated power kW	Page
B1000	2 abrasive belts	1000	125	23.9	09
BR1000	1 belt + 4 roller brushes	1000	80	16.5	10
BBR1000	2 belts + 4 roller brushes	1000	80	29	11
BRB1000	Belt + 4 roller brushes + belt	1000	80	38	12
BBR1000H	2 belts + 4 roller brushes + finishing brush	1000	80	43.9	13
BBR1300	2 belts + 6 roller brushes	1300	80	48.3	14
R900	4 rotating roller brushes	900	80	5.1	15
R1000	4 rotating roller brushes	1000	80	5.1	16
R1300	6 rotating roller brushes	1300	80	6.8	17

Widths are conveyor widths. Confirm the usable processing envelope, workpiece holding and finish through application review.

B1000

Metal sanding machine



PROCESS LAYOUT

1000

mm conveyor width

Two belts for surface preparation and finishing

Two abrasive stages: A coarse and a fine belt can divide stock removal and surface finishing.

Automatic belt tracking: The tracking system corrects belt deviation during operation.

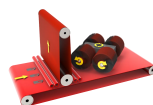
Workpiece control: Pressure rollers support conveying; magnetic holding is optional.

Technical specifications

Parameter	Specification
Overall dimensions L x W x H mm	1655 x 1505 x 2015
Conveyor width mm	1000
Maximum work height mm	125
Feed speed m/min	0-14 adjustable
Workpiece holding	Pressure rollers; optional magnetic holding
Working air pressure MPa	0.6-0.8
Abrasive belt dimensions mm	2000 x 1020
Number of abrasive belts	2
Belt drive speed r/min	1460
Rated supply	AC 380 V / 50 Hz
Rated power kW	23.9
Machine weight kg	1640
Minimum workpiece size mm	Magnetic: 20 x 20 (thickness < 2 mm) Non-magnetic: 90 x 90

BR1000

Sanding and deburring machine



PROCESS LAYOUT

1000

mm conveyor width

One abrasive belt followed by four rotating brushes

Combined processing: The belt treats the surface before the brushes work on burrs and edges.

Independent modules: Select belt or brush operation to match the process.

Workpiece control: Pressure rollers, magnetic holding and vacuum suction support transport.

Technical specifications

Parameter	Specification
Overall dimensions L x W x H mm	2625 x 1800 x 2060
Conveyor width mm	1000
Maximum work height mm	80
Feed speed m/min	0-12 adjustable
Workpiece holding	Pressure rollers + magnetic + vacuum
Working air pressure MPa	0.6-0.8
Edge radius mm	R0.2-0.8
Brush dimensions mm	Dia. 300 x dia. 32 x 300
Number of brushes	4
Brush speed r/min	0-1400 adjustable
Alternating speed r/min	0-32 adjustable
Abrasive belt dimensions mm	2000 x 1020
Number of abrasive belts	1
Belt drive speed r/min	1460
Rated supply	AC 380 V / 50 Hz
Rated power kW	16.5
Machine weight kg	2100
Minimum workpiece size mm	Magnetic: 20 x 20 (thickness < 2 mm) Non-magnetic: 90 x 90

BBR1000

Sanding and deburring machine



PROCESS LAYOUT

1000

mm conveyor width

Two abrasive belts followed by four rotating brushes

Two belt stages: Separate the abrasive stages before brush deburring and rounding.

Independent modules: Select the processing modules for the required surface and edge result.

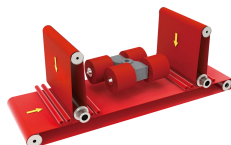
Workpiece control: Pressure rollers, magnetic holding and vacuum suction support transport.

Technical specifications

Parameter	Specification
Overall dimensions L x W x H mm	3105 x 1800 x 2060
Conveyor width mm	1000
Maximum work height mm	80
Feed speed m/min	0-12 adjustable
Workpiece holding	Pressure rollers + magnetic + vacuum
Working air pressure MPa	0.6-0.8
Edge radius mm	R0.2-0.8
Brush dimensions mm	Dia. 300 x dia. 32 x 300
Number of brushes	4
Brush speed r/min	0-1400 adjustable
Alternating speed r/min	0-32 adjustable
Abrasive belt dimensions mm	2000 x 1020
Number of abrasive belts	2
Belt drive speed r/min	1460
Rated supply	AC 380 V / 50 Hz
Rated power kW	29
Machine weight kg	3200
Minimum workpiece size mm	Magnetic: 20 x 20 (thickness < 2 mm) Non-magnetic: 90 x 90

BRB1000

Sanding and deburring machine



PROCESS LAYOUT

1000

mm conveyor width

Abrasive belt, four rotating brushes and a final belt

Sequential finishing: The downstream abrasive belt provides a further surface finishing stage.

Surface treatment: Suitable for rust and oxide removal and straight grain finishing.

Workpiece control: Pressure rollers, magnetic holding and vacuum suction support transport.

Technical specifications

Parameter	Specification
Overall dimensions L x W x H mm	3770 x 1825 x 2185
Conveyor width mm	1000
Maximum work height mm	80
Feed speed m/min	0-12 adjustable
Workpiece holding	Pressure rollers + magnetic + vacuum
Working air pressure MPa	0.6-0.8
Edge radius mm	R0.2-0.8
Brush dimensions mm	Dia. 300 x dia. 32 x 300
Number of brushes	4
Brush speed r/min	0-1400 adjustable
Alternating speed r/min	0-32 adjustable
Abrasive belt dimensions mm	2000 x 1020
Number of abrasive belts	2
Belt drive speed r/min	1460
Rated supply	AC 380 V / 50 Hz
Rated power kW	38
Machine weight kg	3586
Minimum workpiece size mm	Magnetic: 20 x 20 (thickness < 2 mm) Non-magnetic: 90 x 90

BBR1000H

Sanding and finishing machine



Two belts, four brushes and a finishing brush unit

Additional finishing stage: A dedicated brushing unit follows sanding and deburring.

Directional finish: The finishing brush is listed at 1440 r/min for straight grain treatment.

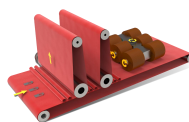
Workpiece control: Pressure rollers, magnetic holding and vacuum suction support transport.

Technical specifications

Parameter	Specification
Overall dimensions L x W x H mm	3910 x 1825 x 2280
Conveyor width mm	1000
Maximum work height mm	80
Feed speed m/min	0-12 adjustable
Workpiece holding	Pressure rollers + magnetic + vacuum
Working air pressure MPa	0.6-0.8
Edge radius mm	R0.2-0.8
Brush dimensions mm	Dia. 300 x dia. 32 x 300
Number of brushes	4
Brush speed r/min	0-1400 adjustable
Alternating speed r/min	0-32 adjustable
Abrasive belt dimensions mm	2000 x 1020
Number of abrasive belts	2
Belt drive speed r/min	1460
Finishing brush speed r/min	1440
Rated supply	AC 380 V / 50 Hz
Rated power kW	43.9
Machine weight kg	3858
Minimum workpiece size mm	Magnetic: 20 x 20 (thickness < 2 mm) Non-magnetic: 90 x 90

BBR1300

Sanding and deburring machine



PROCESS LAYOUT

1300

mm conveyor width

Two abrasive belts followed by six rotating brushes

Wider conveyor: The 1300 mm conveyor accommodates wider workpieces.

Six rotating brushes: Brush processing follows the two belt sanding stages.

Workpiece control: Pressure rollers, magnetic holding and vacuum suction support transport.

Technical specifications

Parameter	Specification
Overall dimensions L x W x H mm	3800 x 2185 x 2320
Conveyor width mm	1300
Maximum work height mm	80
Feed speed m/min	0-12 adjustable
Workpiece holding	Pressure rollers + magnetic + vacuum
Working air pressure MPa	0.6-0.8
Edge radius mm	R0.2-0.8
Brush dimensions mm	Dia. 300 x dia. 32 x 300
Number of brushes	6
Brush speed r/min	0-1400 adjustable
Alternating speed r/min	0-32 adjustable
Abrasive belt dimensions mm	2200 x 1330
Number of abrasive belts	2
Belt drive speed r/min	1470
Rated supply	AC 380 V / 50 Hz
Rated power kW	48.3
Machine weight kg	4200
Minimum workpiece size mm	Magnetic: 20 x 20 (thickness < 2 mm) Non-magnetic: 90 x 90

R900

Brush deburring machine



PROCESS LAYOUT

900

mm conveyor width

Four rotating brushes with a 900 mm conveyor

Edge treatment: Rotating brushes deburr and round exposed workpiece edges.

Typical burrs: Stamping, shearing and soft burrs from thin sheet laser cutting.

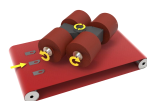
Workpiece control: Magnetic and vacuum holding with automatic pneumatic belt tracking.

Technical specifications

Parameter	Specification
Overall dimensions L x W x H mm	1990 x 1505 x 1940
Conveyor width mm	900
Maximum work height mm	80
Feed speed m/min	0-9 adjustable
Workpiece holding	Magnetic + vacuum
Working air pressure MPa	0.6-0.8
Edge radius mm	R0.2-0.8
Brush dimensions mm	Dia. 300 x dia. 32 x 300
Number of brushes	4
Brush speed r/min	0-1400 adjustable
Alternating speed r/min	0-25 adjustable
Rated supply	AC 380 V / 50 Hz
Rated power kW	5.1
Machine weight kg	1100
Minimum workpiece size mm	Magnetic: 20 x 20 (thickness < 2 mm) Non-magnetic: 90 x 90

R1000

Brush deburring machine



PROCESS LAYOUT

1000

mm conveyor width

Four rotating brushes with a 1000 mm conveyor

Edge treatment: Rotating brushes treat burrs, sharp edges and openings.

Typical burrs: Stamping, shearing and soft burrs from thin sheet laser cutting.

Workpiece control: Magnetic and vacuum holding with flexible pressure rollers.

Technical specifications

Parameter	Specification
Overall dimensions L x W x H mm	1990 x 1605 x 1940
Conveyor width mm	1000
Maximum work height mm	80
Feed speed m/min	0-9 adjustable
Workpiece holding	Magnetic + vacuum
Working air pressure MPa	0.6-0.8
Edge radius mm	R0.2-0.8
Brush dimensions mm	Dia. 300 x dia. 32 x 300
Number of brushes	4
Brush speed r/min	0-1400 adjustable
Alternating speed r/min	0-25 adjustable
Rated supply	AC 380 V / 50 Hz
Rated power kW	5.1
Machine weight kg	1350
Minimum workpiece size mm	Magnetic: 20 x 20 (thickness < 2 mm) Non-magnetic: 90 x 90

R1300

Brush deburring machine



PROCESS LAYOUT

1300

mm conveyor width

Six rotating brushes with a 1300 mm conveyor

Six brush layout: A wider conveyor and six brushes support larger sheet components.

Typical burrs: Stamping, shearing and soft burrs from thin sheet laser cutting.

Workpiece control: Magnetic and vacuum holding with flexible pressure rollers.

Technical specifications

Parameter	Specification
Overall dimensions L x W x H mm	2390 x 1790 x 1940
Conveyor width mm	1300
Maximum work height mm	80
Feed speed m/min	0-9 adjustable
Workpiece holding	Magnetic + vacuum
Working air pressure MPa	0.6-0.8
Edge radius mm	R0.2-0.8
Brush dimensions mm	Dia. 300 x dia. 32 x 300
Number of brushes	6
Brush speed r/min	0-1400 adjustable
Alternating speed r/min	0-25 adjustable
Rated supply	AC 380 V / 50 Hz
Rated power kW	6.8
Machine weight kg	1400
Minimum workpiece size mm	Magnetic: 20 x 20 (thickness < 2 mm) Non-magnetic: 90 x 90

Process details and workpiece control

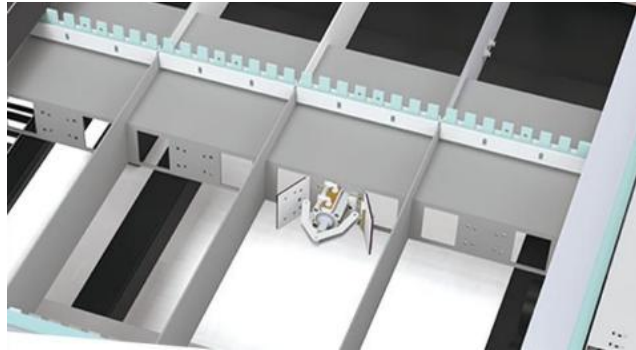
Three engineering features from the machine range



Automatic belt tracking

Tracking correction adjusts belt alignment during operation. The B1000 uses an automatic system to maintain the abrasive belt path.

B1000



Zoned vacuum conveying

Suction zones beneath the conveyor help retain small workpieces. Magnetic holding and vacuum suction work together in the R1000 configuration.

R1000



Finishing brush unit

A dedicated downstream brushing stage supports straight grain finishing on the BBR1000H. The finishing unit speed is 1440 r/min.

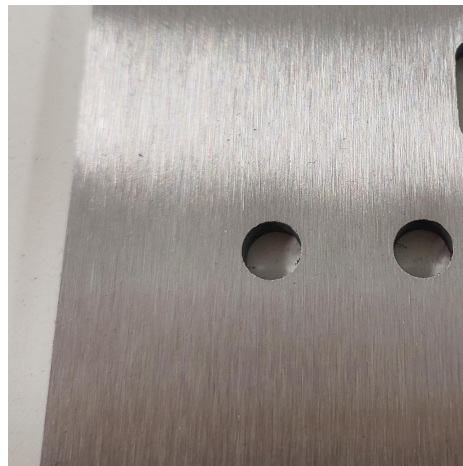
BBR1000H

Sanding and surface finishing

Before and after examples from abrasive belt processing



BEFORE



AFTER

Surface cleaning and directional finishing



BEFORE



AFTER

Rust removal and grain finishing

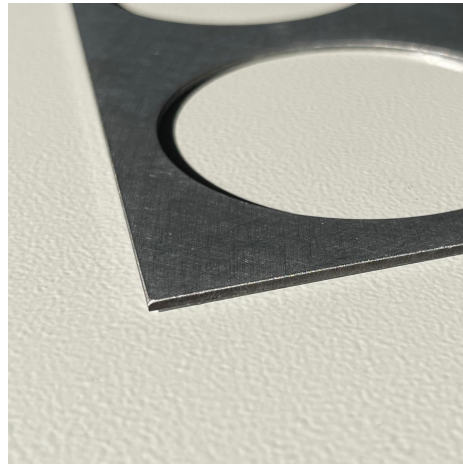
Results vary with material, burr condition, abrasive selection, feed speed and process settings.

Brush deburring results

Before and after examples from rotating brush processing



BEFORE



AFTER

Outer edges and internal cutouts



BEFORE



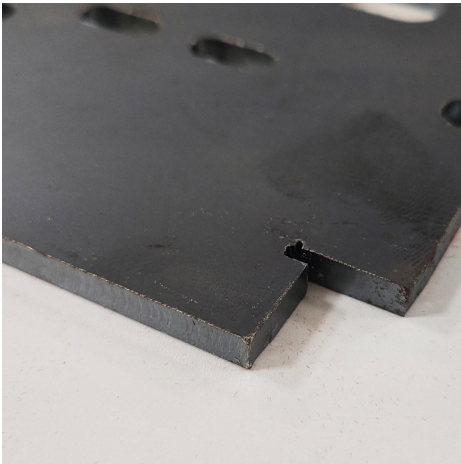
AFTER

Slots and curved profiles

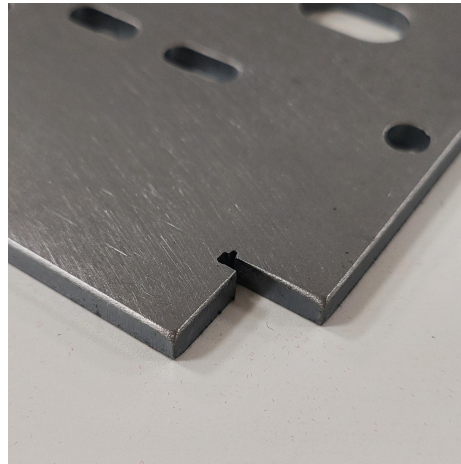
Results vary with material, burr condition, abrasive selection, feed speed and process settings.

Combined processing results

Before and after examples from belt and brush processing

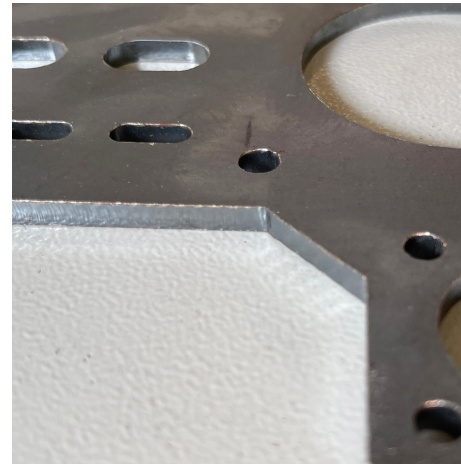


BEFORE



AFTER

Surface and edge treatment



BEFORE



AFTER

Profiles and openings

Results vary with material, burr condition, abrasive selection, feed speed and process settings.

Vacuum stations

Negative pressure support for vacuum workpiece holding



The vacuum station works with the conveyor to help retain parts during processing. Match the station to the machine and assess holding performance on the actual workpiece.

Machine	Dimensions L x W x H mm	Flow m³/h	Power kW	Weight kg
R900	948 x 564 x 938	1000-1875	7.5-15 optional	119
R1000	1215 x 810 x 1400	1610-2844	7.5-15 optional	220
R1300 / BRB1000	948 x 694 x 938	1925-2750	11-15 optional	206
BR1000 / BBR1000 / BBR1000H / BBR1300	1070 x 738 x 1049	1201-2978	15	266

Magnetic holding applies to magnetically responsive materials. Vacuum holding depends on part geometry, contact area and the selected configuration.

Rated station supply: AC 380 V / 50 Hz. Illustration shows a representative enclosure; configurations vary.

Dry dust collection

Cartridge filter options matched to the finishing machine



Dry collection uses filter cartridges to capture process dust. Select extraction capacity, duct connections and filtration around the machine, material and installation.

Machine	Dimensions L x W x H mm	Power kW	Airflow m ³ /h	Pressure Pa	Filters	Weight kg
B1000	1000 x 1000 x 1900	3.0	5000-6000	2300-2000	4	200
BR1000 / BBR1000 / BRB1000	1000 x 1000 x 1900	5.5 / 7.5	5000-6000	2300-2000	4 or 6	200
BBR1000H / BBR1300	1200 x 1000 x 2150	7.5	5712-10562	2554-1673	6	350
R900	840 x 800 x 1850	3.0	3800-4600	1900-1740	4	180
R1000 / R1300	800 x 800 x 1700	3.0	3800-4600	1900-1740	4	180

Specify the dust characteristics and extraction arrangement before selecting a collector.

Rated supply: AC 380 V / 50 Hz. Accessory photograph is representative and may differ from the selected configuration.

Wet dust collection

Water based collection options for a specified process

A wet collector provides a water based alternative to cartridge filtration. Its suitability depends on the processed material, dust characteristics and the specified extraction system.



Machine	Dimensions L x W x H mm	Power kW	Airflow m³/h	Pressure Pa	Weight kg
B1000	1300 x 1100 x 2000	3.0 / 5.5	3800-4600	1900-1740	300
BR1000 / BBR1000 / BRB1000 / BBR1000H / BBR1300	1800 x 1300 x 2100	5.5	5000-6000	2360-2010	400
R900 / R1000 / R1300	1300 x 1100 x 2000	3.0	3800-4600	1900-1740	300

Confirm collector selection as part of the complete installation, including ductwork, cleaning access and maintenance.

Accessory photograph is representative and may differ from the selected configuration.

Abrasives and routine care

Match consumables to the finish and maintain consistent process conditions

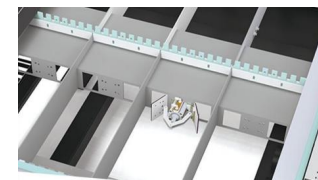
Item	Selection information	Operating focus
Wide abrasive belts	Belt dimensions, grit and workpiece material	Tracking, condition and required texture
Roller brushes	Brush dimensions, grit and edge requirement	Wear, contact settings and consistency
Finishing brush unit	Required texture and process sequence	Condition and finish direction
Dust collection consumables	Collector configuration and filter specification	Cleaning, replacement and extraction



BELT TRACKING



FINISHING BRUSH



WORKPIECE HOLDING

Before production

Inspect abrasives, workpiece holding, conveyor and extraction. Run a representative part and compare with the agreed finish sample.

Ordering replacement items

Provide the model, serial number, item dimensions, photographs and part number where available.

Equipment sales and warranty support

A clear scope for machines, related parts and accessories



Equipment and accessory supply

Kinyo (Tianjin) Machinery Co., Ltd. sells complete machines and related parts and accessories. Define the model, processing arrangement and accessory package in the quotation.



Warranty by item and order

Warranty support is included under the terms agreed for each order. Coverage and duration vary by equipment and accessory and are stated in the quotation or sales agreement.



Prepare an enquiry

Share workpiece details, the desired result and installation requirements. Identify any training, commissioning or documentation needs when defining the order.



Prepare a support request

Provide the model, serial number, purchase reference, symptoms and clear photographs or video. Identify the affected part or accessory where possible.

Sales enquiries: sales@kinyomach.com

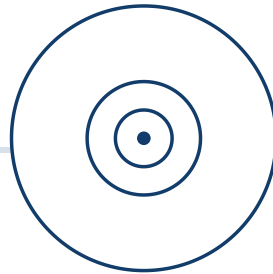
Agree the delivery and acceptance details

Define the technical scope before the order is finalized



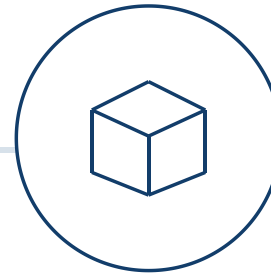
Machine and configuration

Record the model, process units, workpiece holding, accessory package and required electrical supply.



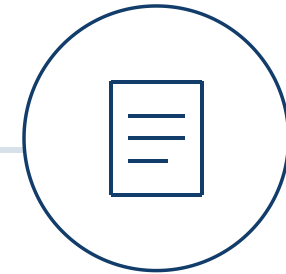
Application and acceptance

Describe the material, thickness and size range. Agree the target edge condition and surface finish using representative samples where applicable.



Installation and handover

Confirm space, power, compressed air and extraction requirements. Specify any installation, training, manual language or commissioning arrangements in the order.



Documentation and warranty

Identify destination specific certification or conformity documents required for the configuration. Record warranty terms for the machine and each relevant accessory.





Plan your next finishing process

Tell us about the material, part dimensions, incoming burr and target finish. These details define the machine and accessory package.

**Kinyo (Tianjin)
Machinery Co., Ltd.**

sales@kinyomach.com



[KinyoMach.com](https://www.KinyoMach.com)

SCAN TO EXPLORE THE RANGE

