



JONSEN SANDER

Since 1993



Professionalism We Do!

JONSEN SANDER

WITH THE PERSPECTIVE OF FOCUSING ON THE GLOBE OUTLOOK, AND CREATING GREAT VALUE, “MADE IN CHINA” HAS BEEN MAKING ITS CONTRIBUTIONS TOWARD MANKIND’S PROSPERITY AND PEACE.

Hangzhou Xiangsheng Abrasive Machine Manufacturing Co., Ltd. (Jonsen Sander) was founded and established in 1993. Jonsen Sander has been dedicating on the industry of metal surface treatment machinery for 26 years now. Over the years, it has obtained 23 “patent of invention”, and over 80 “patent of utility model”. Jonsen Sander is the founding member, and standard making unit of Chinese national metal sanding machine industry. Jonsen Sander has gained vast amount of professional knowledge and practical experience in dealing with all kinds of applications. With such capability, it has drawn up and established 20 industrial standard for the application of deburring, deslagging, edge rounding, surface finishing, and surface grinding for each different material and different thickness range.

With the rich background and accumulation of experience over the years, Jonsen Sander is well capable of providing the best solutions to the customers!

Jonsen Sander makes great efforts in connecting and cooperating with its customers. Therefore customers are willing to provide feedbacks to Jonsen Sander so the machines can be further improved to better meet customers’ requirements. At Jonsen Sander, we are not only offering the machine itself, but the complete solution for each specific application. We are both machine manufacturer and designer. We have always attached importance to research and development, and we pay the greatest respect to intellectual property. Over the years, we have provided over 10,000 industrial solutions to our customers, and over 300 different models of machine that we designed and manufactured. Our long term goal is to continuously improve and optimize each machine model, and do our best to contribute to the industry as well as to benefit the society.

Our slogan: Professionalism We Do!



Professionalism We Do!

APPLICATION FIELD



SGB1000

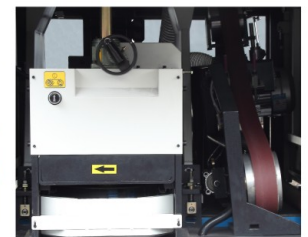
LASER CUTTING PARTS DEBURRING AND EDGE ROUNDING MACHINE FOCUSED ON CONTOURS AND EDGES ONLY

APPLICATIONS

SGB1000 does a fantastic job on deburring and edge rounding of parts after laser cutting. It keeps original part size, in the meantime cleans the burrs and creates minor rounded edges. The unique work station configurations would have only minimum touching on the whole surface, but focus on the edges and contours, therefore greatly saving the consumable, and keeping majority of the surface intact.

MACHINE CHARACTERISTIC OVERVIEW

- Conveyor feed through type, high efficiency
- Narrow abrasive belt head for sanding out the burrs on the edges and contours, horizontal crossbelt station for further edge rounding
- Each work station can work together or individually, versatile and flexible for different requirement
- Electro-magnetic table to accommodate small parts
- Straight forward and user-friendly operation
- Auxiliary LED lighting inside machine
- Dust collection hood is installed inside the machine.
- Small foot print



IDEAL PARTS

Carbon steel, stainless steel, aluminum
Minimum part size(ferrous material): 30 x 30 mm



TECHNICAL DATASHEET

Maximum working width	1000mm	Machine opening	0-100mm
Conveyor feeding rate	0.5-5m/min	Narrow abrasive belt head power	2.2KW
Horizontal crossbelt station power	3.7KW	Machine dimension	1800x2000x2200mm
Machine weight	2000KGS		

OPTIONAL CONFIGURATION

- Dry filtration barrel type dust collector with spark arrestor

SGP800

HIGH EFFICIENCY AND COST EFFECTIVE DEBURRING, EDGE ROUNDING, AND SURFACE FINISHING MACHINE

APPLICATIONS

SGP800 is a very versatile machine model. The wide abrasive belt head is capable of sanding down and removing the bigger burrs on the parts, or using it for whole surface finishing purpose such as No.4 finishing. The planetary abrasive barrel station that consists of 4 abrasive barrels (2 in clockwise rotation, and 2 in counter-clockwise rotation) will further rounds the edges and the contours. It is suitable for parts from laser cutting, punching, shearing, and etc, generally with small/medium burrs and sharp edges. It produces much more consistent result of deburring and edge rounding in significantly higher efficiency than using manual tools. There will be no more metal dust just dispersing into the air, which will be efficiently extracted from the machine.



SGP800

IDEAL PARTS

Carbon steel, stainless steel, aluminum, copper, and etc.
 Parts with protective vinyl film (machine will not damage the film, therefore protect the surface underneath)
 Working thickness range from 0.5mm-100mm
 Carbon steel parts that require large radius on the edges



MACHINE CHARACTERISTIC OVERVIEW

- Dry operation
- Wide abrasive belt head for sanding out the burrs or surface finishing
- Planetary type abrasive barrel station for further edge rounding, 4 abrasive barrels, and planetary rotation
- Vacuum conveyor table to accommodate small parts, smallest parts available 50x50mm
- Planetary abrasive barrel station will only focus on the edges and contours of the parts, minimum effect on the whole surface
- Capable of processing minor formed/profiled parts
- Long life span of consumables
- Straight forward and user-friendly operation
- Auxiliary LED lighting inside machine
- Dust collection hood is installed inside the machine.



SP800

TECHNICAL DATASHEET

Maximum working width	800mm	Abrasive barrel station power	5.5KW
Machine opening	0-100mm	Machine weight	2500KGS
Conveyor feeding rate	0.5-5m/min	No. of wide abrasive belt head	1-3
No. of abrasive barrel	4 or 4+4	Machine dimension	1600x2200x2200mm
Consumables	Abrasive barrel, wide abrasive belt		

OPTIONAL CONFIGURATION

- Additional wide abrasive belt head(s) on the front for sanding down heavier burrs or for high hardness alloy material is available, for example 2 wide abrasive belt heads.
- Additional wide abrasive belt head(s) on the back for straight line surface finishing is available, for example 1 wide abrasive belt head after the planetary abrasive barrel station.
- For carbon steel parts that requires large radius (for example 2 mm radius) on the edges, optional two units 4 abrasive barrel station in a row is available.

SDGB1000/SDDB1000

MEDIUM-THICK METAL PARTS DE-SLAGGING AND EDGE ROUNDING MACHINE

APPLICATIONS

The machine is capable of efficient de-slagging and edge rounding of medium-thick metal parts after oxy-fuel, plasma, or high power laser cutting processes.

1st station: Patterned hammer type de-slagging disk station (D) for knocking out the heavy slags.

2nd station: Same station 1 (D) or Abrasive belt head (G) for sanding on leftover molten slags.

3rd station: Abrasive flap/nylon crossbelt for final edge rounding and surface smoothing.

Advantages: Low cost on consumables, minimum noise and metal dust during the production.



MACHINE CHARACTERISTIC OVERVIEW

- Dry operation
- Conveyor feed through type, high efficiency
- Multi work station combination, one pass process to take care both de-slagging and edge rounding
- Special hammer type de-slagging disk with minimum consumable wear and optimal de-slagging performance
- Standard magnetic conveyor bed (partial or full width), capable of processing most of small sized ferrous parts
- Straight forward and user-friendly operation
- Auxiliary LED lighting inside machine



IDEAL PARTS

Carbon steel, stainless steel, aluminum, and etc.

Thickness range: 1mm and up

OPTIONAL CONFIGURATION

- Dry filtration barrel type dust collector with spark arrestor
- Double side top and bottom de-slagging processing

TECHNICAL DATASHEET

Maximum working width	1000mm
Minimum working length (magnetic conductive material)	40mm
Total power	13.5kw
Machine dimension	2300x2350x1950mm
Working thickness range	1-80mm
Conveyor feeding rate	0.5-5m/min
Machine weight	4500kgs

SGP1000

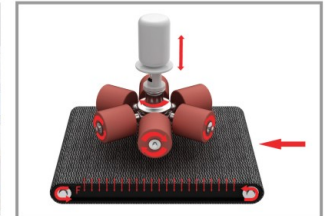
METAL DEBURRING, EDGE ROUNDING AND FINISHING MACHINE

APPLICATIONS SGP1000 is a very versatile machine model. It is suitable for parts from laser cutting, punching, shearing, and etc, generally with small/medium burrs and sharp edges. There will be no more metal dust just dispersing into the air, which will be efficiently extracted from the machine.



MACHINE CHARACTERISTIC OVERVIEW

- Dry operation
- Wide abrasive belt head for sanding out the burrs or surface finishing
- Planetary type abrasive barrel station for further edge rounding, 6 abrasive barrels, and planetary rotation
- Vacuum conveyor table to accommodate small parts, smallest parts available 50x50mm
- Planetary abrasive barrel station will only focus on the edges and contours of the parts, minimum effect on the whole surface
- Capable of processing minor formed/profiled parts
- Long life span of consumables
- Straight forward and user-friendly operation
- Auxiliary LED lighting inside machine
- Dust collection hood is installed inside the machine.



SP1000

IDEAL PARTS

Carbon steel, stainless steel, aluminum, copper, and etc.
 Parts with protective vinyl film (machine will not damage the film, therefore protect the surface underneath)
 Working thickness range from 0.5mm-100mm
 Carbon steel parts that require large radius on the edges

TECHNICAL DATASHEET

Maximum working width	1000mm	Abrasive media	Abrasive barrel, wide abrasive belt
Machine opening	0-100mm	Abrasive barrel station power	5.5kw
Conveyor feeding rate	0.5-3m/min	Wide abrasive belt head power	11kw
No. of abrasive barrel	6	Machine weight	2500kgs

OPTIONAL CONFIGURATION

- Model SP1000. It does not have wide abrasive belt head. It is suitable for parts with good cutting quality with only minor burrs and sharp edges.
- Additional wide abrasive belt head(s) on the front for sanding down heavier burrs or for high hardness alloy material is available, for example 2 wide abrasive belt heads.
- Additional wide abrasive belt head(s) on the back for straight line surface finishing is available, for example 1 wide abrasive belt head after the planetary abrasive barrel station.
- Working width of 1300mm/1600mm is available.

SG630-JS

SIMPLE YET EFFICIENT ENTRY LEVEL WIDE ABRASIVE BELT SANDING MACHINE

APPLICATIONS

SG630-JS is an entry level wide abrasive belt sanding machine. It has been serving in the industry since Jonsen's first establishment. As of now, there are over 1000 customers benefiting from SG630-JS's robust and efficient machine performance. It is capable of general surface sanding including removing deep scratches, surface finishing, oxide layer removal, and more.



IDEAL PARTS

Stainless steel, aluminum, and all non-ferrous metals

MACHINE CHARACTERISTIC OVERVIEW

- Dry operation, therefore low production and maintenance cost. The machine usually has a long life which means the return on investment is high.
- Conveyor feed through type, high efficiency
- Robust Jonsen patented belt automatic tracking mechanism
- Four pillar lifting of conveyor bed
- High temperature resistant conveyor belt
- Internal mounted motor inside of machine frame
- Straight forward and user-friendly operation
- Auxiliary LED lighting inside machine
- Dust collection hood is installed inside the machine.



TECHNICAL DATASHEET

Maximum working width	600mm
Minimum working length	270mm
Conveyor feeding rate	2-11m/min
Machine dimension	1650x1350x1850mm
Dust extraction capacity required	3000m ³ /h
Working thickness range	0.5-70mm
Wide abrasive belt size	1900x630mm
Total power	8.61kw
Machine weight	1100kgs

OPTIONAL CONFIGURATION

- Multi stage wide abrasive belt heads to be able to achieve final desired surface finishing result
- Magnetic or vacuum conveyor bed to accommodate and process small parts
- Maximum working width available between 600mm to 2100mm
- Dust collector

SG630-WJS

SIMPLE YET EFFICIENT ENTRY LEVEL WET OPERATION WIDE ABRASIVE BELT SANDING MACHINE

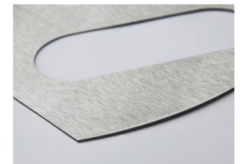
APPLICATIONS

SG630-WJS is an entry level wet operation wide abrasive belt sanding machine. It is suitable on processing materials such as aluminum alloys, magnesium alloys, titanium, zircon, and stainless steel. It is equipped with an automatic filtration unit for recycling the cutting fluid. Due to the cooling effect from wet operation, above mentioned work piece will not deform during the process, and will have better surface result.



MACHINE CHARACTERISTIC OVERVIEW

- Wet operation
- Conveyor feed through type, high efficiency
- Robust Jonsen patented belt automatic tracking mechanism
- Four pillar lifting of conveyor bed
- Oil, acid, and alkali resistant conveyor belt
- Internal mounted motor inside machine frame
- Straight forward and user-friendly operation
- Auxiliary LED lighting inside machine
- Automatic cutting fluid filtration unit



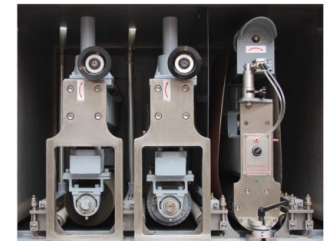
★ Modular design



SG630-WJS



SG630-2WJS



SG630-WJS+2B

IDEAL PARTS

aluminum alloys, magnesium alloys, titanium, zircon, and stainless steel

TECHNICAL DATASHEET

Maximum working width	600mm
Minimum working length	270mm
Conveyor feeding rate	2-11m/min
Machine dimension	2050x1450x2100mm
Working thickness range	0.5-70mm
Wide abrasive belt size	1900x630mm
Total power	8.99kw
Machine weight	1500kgs

OPTIONAL CONFIGURATION

- Multi stage wide abrasive belt heads available to achieve final desired surface finishing result
- Magnetic conveyor bed to accommodate and process small ferrous material parts
- Maximum working width available between 600mm to 2100mm

SG1030-JS+D

SURFACE SANDING, FINISHING, DEBURRING, AND EDGE ROUNDING MACHINE

APPLICATIONS

SG1030-JS+D would be best suitable for deburring, edge rounding, as well as surface sanding and finishing of punching, shearing, laser cutting parts. It is equipped with 2 work stations: a wide abrasive belt head and a zig-zag disk brush station.



IDEAL PARTS

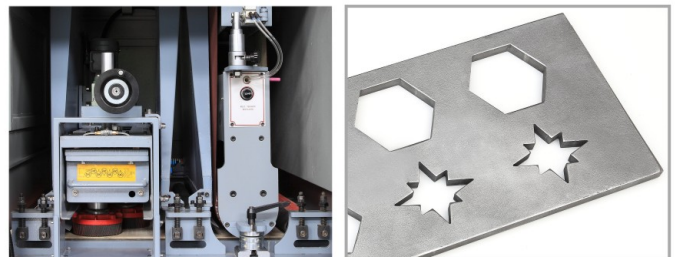
Most of metal material type
Thickness range: 1mm-80mm

TECHNICAL DATASHEET

Maximum working width	1000mm
Working thickness	1-80mm
Conveyor feeding rate	2-9m/min
Disk brush dimension	Φ165mm
Machine dimension	1800x2300x2000mm
Consumables	Disk brushes (various type available), wide abrasive belt
Disk brush station power	7.5kw
Wide abrasive belt power	11kw
Machine weight	2800kgs

MACHINE CHARACTERISTIC OVERVIEW

- Dry operation, therefore low production and maintenance cost. The machine usually has a long life which means the return on investment is high.
- Conveyor feed through type, high efficiency.
- First wide abrasive belt head for initial sanding, and zig-zag disk brush station for deburring and edge rounding. Each station can work individually or together.
- Other combinations of work stations are also available.
- Optional magnetic or vacuum conveyor bed to accommodate and process small parts.
- Straight forward and user-friendly operation.
- Auxiliary LED lighting inside machine.
- Dust collection hood is installed inside the machine.



OPTIONAL CONFIGURATION

- Magnetic or vacuum conveyor bed to accommodate and process small parts
- Wide abrasive belt head and zig-zag disk brush station for strong deburring/de-slugging/edge rounding.
- A combination of wide abrasive belt heads and polishing barrels is available for surface finishing such as No.4 and Hairline.
- A combination of wide abrasive belt heads, zig-zag disk brush station, and polishing barrels is available.
- Maximum working width available is 1280 mm
- Dust collector

SG1030-WJS+DB

WET OPERATION SURFACE SANDING, FINISHING, DEBURRING, AND EDGE ROUNDING MACHINE

APPLICATIONS

SG1030-WJS+DB would be best suitable for wet operation deburring, edge rounding, as well as surface sanding and finishing of punching, shearing, laser cutting parts. It is able to efficiently clean and smoothen sharp edges as well as significantly improve surface roughness.



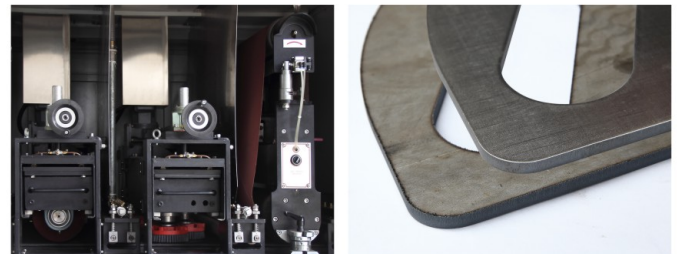
MACHINE CHARACTERISTIC OVERVIEW

- Wet operation, there will be no deformation of parts during the process, therefore better surface result.
- Conveyor feed through type, high efficiency
- First wide abrasive belt head for initial sanding, and zig-zag disk brush station for deburring and edge rounding. Last polishing barrel brush station for fine polishing on the surface. Each station can work individually or together.
- Other combinations of work station are also available.
- Optional magnetic conveyor bed to accommodate and process small parts
- Straight forward and user-friendly operation
- Auxiliary LED lighting inside machine
- Automatic cutting fluid filtration unit

IDEAL PARTS

All non-ferrous metals, thermal sensitive materials, and etc.

Thickness range: 1mm-80mm, larger machine opening up to 110mm is available



TECHNICAL DATASHEET

Maximum working width	1000mm
working thickness range	1-80mm
Conveyor feeding rate	2-9m/min
Disk brush dimension	Φ165mm
Machine weight	3500kgs
Consumables	Disk brushes (various type available), polishing barrel (various type available), wide abrasive belt
Disk brush station power	7.5kw
Wide abrasive belt power	11kw
Polishing barrel brush power	7.5kw

OPTIONAL CONFIGURATION

- A combination of multi zig-zag disk brush station using various kinds of abrasive medias for deburring, edge rounding, and improving surface roughness
- Double stage heavy duty wide abrasive belt heads available for heavy slags removal and edge cleaning
- Multi stage wide abrasive belt heads available to achieve final desired surface finishing result
- Maximum working width available is 1280 mm
- Maximum 4 work stations configuration
- Wet vacuum conveyor is available

SD-H

FLEXIBLE SWING ARM DEBURRING AND EDGE ROUNDING MACHINE WITH VACUUM WORKING TABLE

APPLICATIONS SD-H is suitable for small batch parts deburring and edge rounding. It has much better working efficiency, and more consistent performance than traditional hand held angle grinder or orbital sander. It does a fantastic job on deburring and edge rounding of laser cutting, punching, stamping, and some flat machined parts.



MACHINE CHARACTERISTIC OVERVIEW

- SD-H utilizes air spring support zero gravity swing arm design. The operator simply needs to grab the handles on the working head, and apply certain pressure on the part to start deburring and edge rounding freely.
- The working table also has partial vacuum area for accommodating small parts. Simply position the parts on the vacuum area, then the strong downdraft force will firmly hold the parts in place.
- SD-H is equipped with dual abrasive disk and brush configuration which were driven by the same motor. Fast switching between the disk and brush, simply turn 180°, and then lock it. Patented design of quick consumable change of the abrasive disk and brush.
- It is also capable of processing oversize parts (larger than the working table), as long as it is within the swing arm span.

TECHNICAL DATASHEET

Vacuum area	330x300mm
Maximum part dimension (inside the working table)	1000x800mm
Maximum part dimension (within the swing arm span)	1500x1500mm
Swing arm span	1500mmx360°
Part thickness range	1-150mm
Working head power	0.75kw
Work head #	2
Dust extraction capacity required	1000m ³ /h
Total power	4.05kw
Machine dimension	1700x1000x1700mm



SG2500-2

DOUBLE ABRASIVE BELT STROKE SANDER

APPLICATIONS

SG2500-2 is widely used for surface finishing, polishing, and weld bead sanding of formed parts such as boxes, cabinets, and etc. It is the perfect machine to replace manual sanding.



IDEAL PARTS

SG2500-2 has two abrasive belt heads parallel to each other. Various type and grit of abrasive belt can be installed for specific applications. It is equipped with double working tables: patented vacuum holder for holding and affixing small enclosures, and the standard working bench for placing large enclosures and cabinets. It is ideal in processing electrical cabinets and enclosures.



Vacuum Table



Abrasive Belt / Nylon Belt

TECHNICAL DATASHEET

Maximum working width	1500mm
Maximum working length	2500mm
Maximum working thickness/height	600mm
Compressed air required	4-6kgs/m ³
Dust extraction capacity required	3000m ³ /h
Total power	8.24kw
Abrasive belt dimension	9000x100mm
Machine weight	3500kgs
Machine dimension	4350x4200x2350mm



SG800-2自动打磨机型

SD300-JS+D

FLEXIBLE AND EFFICIENT DEBURRING, EDGE ROUNDING, AND FINISHING MACHINE

SD300-JS+D would be the optimal choice for small flat punching, fine blanking, and precision machined parts.

APPLICATIONS

Deburring, edge rounding, and flash removal for punching, shearing, laser cutting parts. It keeps parts original thickness, deburring and rounding the edges and holes on the parts. It is widely used in processing automobile parts, and precision machined parts.



IDEAL PARTS

Carbon steel, stainless steel, aluminum
 Thickness range: 1mm and up
 Minimum part size: 30 x 30 mm (steel)

TECHNICAL DATASHEET

Maximum working width	300mm
Machine opening	0-100mm
Conveyor feeding rate	0.5-3m/min
Disk brush quantity of planetary station	3
Abrasive media	Wide abrasive belt, various type disk brush available (Dupont Fiber, Sand paper+Scotch Brite....)
Planetary disk brush station main motor	3kw
Wide abrasive belt head main motor	4kw
Machine weight	1800kgs

MACHINE CHARACTERISTIC OVERVIEW

- Dry operation
- Conveyor feed through type, high efficiency
- One pass for both deburring and edge rounding.
- Wide abrasive belt head for sanding out bigger size burrs, planetary disk brush station for precision deburring and edge rounding
- Two work stations can operate individually or together to meet each specific requirement.
- Standard magnetic conveyor table to reduce minimum part size required. It is capable of processing most of ferrous parts, also configurable of vacuum conveyor table for processing stainless steel and non-ferrous parts
- Straight forward and user-friendly operation
- Auxiliary LED lighting inside machine
- Dust collection hood is installed inside the machine.
- Small machine footprint



OPTIONAL CONFIGURATION

- For parts with bigger burrs, dual wide abrasive belt head (2JS) configuration is available.
- For parts with only sharp edges or minor burrs, planetary disk brush stations alone is available. Wet operation is also available.
- For wet operation machine, optional machine exit air knife and water squeeze is available for drying the parts.
- Optional de-magnetizing unit at machine exit.

SD300-WJS+3D

FINE BLANKING PARTS DEBURRING AND EDGE ROUNDING MACHINE

APPLICATIONS

SD300-WJS+3D is ideal for deburring, edge rounding, and surface smoothing of fine blanking, punching, flat precision machined parts. It is most suitable and highly efficient for processing high volume fine blanking parts coming directly from the presses.

MACHINE CHARACTERISTIC OVERVIEW

- Wet operation
- 4 work stations: 1 wide abrasive belt head, 3 planetary disk brush stations. Each work station has individual motorized lifting
- Standard magnetic conveyor table to reduce minimum part size required. It is capable of processing most of ferrous part.
- Wet operation to prolong consumable's life span, and cool down the parts during the process to minimize parts deformation.
- Water soluble cutting fluid is used
- Very robust machine structure, low maintenance cost
- Conveyor feed through type, high efficiency
- Capable of programming automatic abrasive compensation over a time frame
- Automatic cutting fluid filtration unit



OPTIONAL CONFIGURATION

- Automatic flipping and looping conveyor
- Optional de-magnetizing unit at machine exit.
- Planetary disk brush stations only

TECHNICAL DATASHEET

Maximum working width	300mm
Working thickness range	1-200mm
Conveyor feeding rate	0.5-5m/min
Planetary disk brush rotational speed	0-1480r/min (Variable speed by VFD)
Conveyor feeding	0.5-5m/min Variable speed adjustable by VFD)
Machine weight	4500kgs
Disk brush dimension	Φ165mm
Conveyor table height (fixed)	940mm
Wide abrasive belt dimension	1900x300mm
Planetary rotational speed	10-50r/min (Variable speed by VFD)
Total power	23Kw
Machine dimension	4950x1450x2150mm

SG1950-4WJS

RECIPROCATING GANTRY TYPE PRECISION GRINDING AND POLISHING MACHINE

SG1950-4WJS is widely used in the applications of whole sheets or large scaled parts precision grinding to certain thickness, precision surface sanding and polishing to certain surface roughness, and etc. Suitable materials includes titanium, molybdenum, aluminum, stainless steel, and carbon steel.

APPLICATIONS

Reciprocating type working table: Work piece is clamped down and fixed on the working table. The whole working table moves back and forth repeatedly so the work piece can be processed by the work stations for multiple passes. The working table is driven by linear guide and ball screw drive to achieve high precision processing on the work piece. The working table feeding rate is adjustable between 2-9m/min.



MACHINE CHARACTERISTIC OVERVIEW

- 4 stations of gantry structured wide abrasive belt heads: each head has individual servo-motorized lifting to achieve high precision positioning to best accommodate the thickness of the work piece . Work station arrangement is modular, 1-4 wide abrasive belt heads is available.
- Wet operation, utilizing recycled cutting fluid, to achieve optimal surface result. High pressure water spraying nozzles, and air knives are equipped at the outfeed end of the working table to clean and remove if any metal dust from processing still adheres on the surface.
- Automatic cutting fluid filtration unit



OPTIONAL CONFIGURATION

- Partial or full wet vacuum area on the working table

TECHNICAL DATASHEET

Maximum working width	1000mm/1300mm/ 1600mm/1900mm
Maximum working thickness	100mm
Working table feeding rate	2-9m/min
No. of work stations	1-4
Machine weight	20000kgs
Minimum working length	200mm
Maximum working length	3000mm
Working accuracy	±0.03mm
Total power	300kw
Machine dimension	13500x4200x2300mm

SG1600-WL

RECIPROCATING GANTRY TYPE PRECISION SANDING, GRINDING, AND POLISHING MACHINE

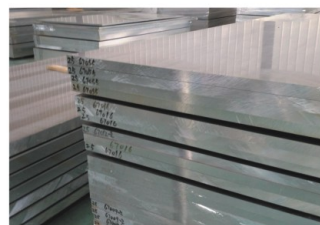
APPLICATIONS

SG1600-WL is equipped with single wide abrasive belt head, wet operation. It is gantry structured, meaning the working table is able to carry the work piece to move back and forth reciprocally under the wide abrasive belt head to process multiple passes on the work piece to achieve the optimal desired surface requirement such as specific surface roughness. There are several different ways to “clamp” the work piece, most commonly: vacuum suction table or electro-magnetic table. For achieving specific roughness on a work piece, a specific combination of wide abrasive belt is required, usually goes from coarse to fine grit. To avoid exchanging abrasive belt frequently, up to 4 wide abrasive belt heads is configurable. A fine surface roughness of Ra 0.4μm can be achieved.



MACHINE CHARACTERISTIC OVERVIEW

- Wet operation
- Reciprocating process, work piece will be processed multiple passes. No need to feed in work piece repeatedly.
- Wet operation to prolong abrasive life span, and cool down the parts during the process to minimize parts deformation. Water soluble cutting fluid is used.
- Wet operation to greatly reduce metal particle dispersing into air
- Automatic cutting fluid filtration unit



TECHNICAL DATASHEET

Maximum working width	1600mm
Working thickness range	100mm
Conveyor feeding rate	2-9m/min
Maximum working length	2500mm
Working accuracy	±0.03mm
No. of wide abrasive belt head	1-4
Total power	80kw
Machine weight	4500kgs
Machine dimension	8000x3500x2300mm

SG1650-WJS+B

WHOLE SHEET SURFACE SANDING, GRINDING & FINISHING MACHINE MODEL

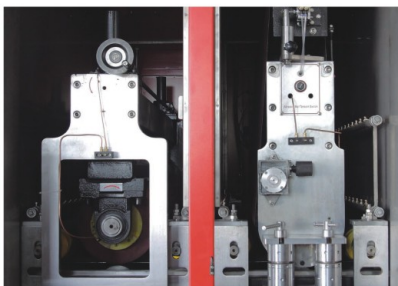
SG1650-WJS+B is widely used in the applications of whole sheets or large scaled parts precision grinding to certain thickness, precision surface sanding to certain surface roughness, and etc. Suitable materials includes titanium, molybdenum, aluminum, stainless steel, and carbon steel.

APPLICATIONS

SG1650-WJS+B is capable of following applications: precision grinding to certain thickness, precision surface sanding to certain surface roughness, surface roughening, surface finishing & polishing, and etc. The conveyor table can be configured to reciprocating movement, hence especially for large and heavy parts, it can be processed by the work stations with multiple passes. By exchanging different grit wide abrasive belt, specific surface requirement can be achieved. Work stations are modular and configurable to achieve specific requirements, for example double wide abrasive belt heads, single wide abrasive belt head + polishing barrel station, and etc.

MACHINE CHARACTERISTIC OVERVIEW

- Wet operation
- SKF precision bearings are used to achieve optimal performance and durability
- Heavily constructed machine frame for longer machine life span
- Rubberized roller type conveyor to provide smooth feeding
- Optional connecting roller conveyors at machine entrance and exit for feeding and receiving long and heavy parts, sync height movement with the machine
- Automatic cutting fluid filtration unit
- Optional reciprocating type processing
- Maximum working width:
1300mm/1650mm/1900mm



OPTIONAL CONFIGURATION

- Modular and various combinations of wide abrasive belt heads and polishing barrels are available

TECHNICAL DATASHEET

Maximum working width	1580mm
Minimum working length	700mm
Conveyor feeding rate	2-18m/min
Working thickness range	0.5-40mm
Wide abrasive belt dimension	1650x2620mm
Total power	97.5kw
Machine weight	8000kgs
Machine dimension	3500x3300x2260mm

SG1300-JS/SG1300-2JS

JONSENOIL SURFACE FINISHING MACHINE LINE

Stainless steel sheet/coil surface finishing technology

APPLICATIONS

One or more units of SG1300-JS/SG1300-2JS machine(s) are able to form a stainless steel sheet/coil surface finishing machine line. It utilizes wide abrasive belt heads with oil to achieve optimal result of surface finishing (Most commonly seen surface finishing types are No.4 and Hairline). The surface finishing created is more delicate and smooth comparing to dry operation machine. The whole machine line usually consists of one or multiple SG1300 series machines, connecting roller conveyors between machines, degreasing machine, cleaning and drying machine, and lastly surface laminating machine. For coil to coil finishing line, it is composed by decoiler, straightener, and coiler. Two side finishing is also available with additional "bottom sanding" SG1300 series machine.

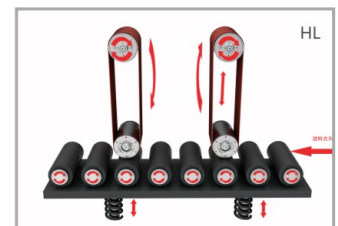
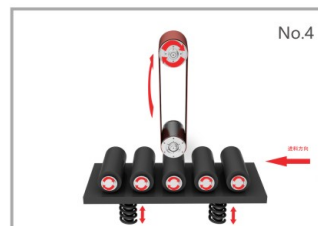


MACHINE CHARACTERISTIC OVERVIEW

- Oil/wet operation
- No.4 and Hairline (HL) machines:
 - Large diameter rubberized contact wheels for optimal surface contacting
 - SKF precision bearings are used to achieve optimal performance and durability
 - Jonsen patented automatic wide abrasive belt tracking mechanism
- Rubberized roller type conveyor to provide smooth feeding
- Smooth and smart integration between SG1300 machine(s) and degreasing, cleaning, drying, and laminating machines to achieve one-pass processing.
- Real time process monitoring system is available

TECHNICAL DATASHEET

Maximum working width available	1300/1600/2100mm
Line speed to the wide abrasive belt (depend on the type of surface finishing)	2-18m/min
Working thickness range	0.5-40mm
Perimeter of the wide abrasive belt	2200/2620mm
Surface finishes available	No.4, Hairline(HL)





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