

SGP1300

DEBURRING, EDGE ROUNDING, AND SURFACE FINISHING MACHINE FOR LASER CUTTING PARTS

APPLICATIONS

Deburring, edge rounding, and surface finishing of parts coming off laser cutting/stamping/fine blanking/punching/shearing/waterjet cutting machines with sharp edges and minor-moderate burrs.

SGP1300 is equipped with two work stations. First the wide abrasive belt head is for surface sanding, vertical burr sand off, as well as surface finishing (No.4). The planetary abrasive barrel station is for further deburring and edge rounding. The overall operation is safe, light labour intensity, and minimum metal dust exposure to the operators. Full working width vacuum conveyor also grants the capability of processing small work pieces. To summarize, the machine is flexible, robust, easy hands-on, clean, safe, and great performance.



HIGHLIGHTS

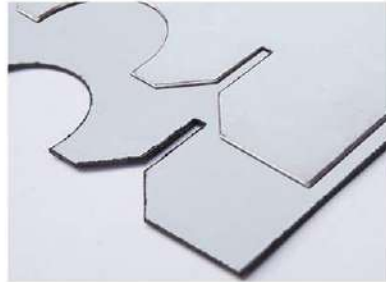
- Heavily constructed machine main frame: welded, sand blasted, and powder coated
- First work station wide abrasive belt head is used to sand down/off larger burrs. It is also capable of surface finishing such as No.4 finishing. Servo lifting is equipped to ensure precise height (thickness) adjustment
- Planetary abrasive barrel station: total of eight abrasive barrels to cover the whole working width. Each two adjacent barrels rotate in opposite direction to ensure consistent and even touch/pressure to all edges, corners, and holes
- Full working width vacuum conveyor allows processing of small work pieces, 60x60mm and up (solid surface area)
- Essential rollers are properly balanced, high rotational speed rated bearings are equipped
- Due to the working nature of the planetary abrasive barrel station, it targets mostly on edges, corners, and holes. There is minimum touch applied to the "flat surface". Therefore, sheet with vinyl film can be processed (using planetary abrasive barrel station only)
- Capable of processing minor profiled parts (depend on the shape, form height, and sizes. Using planetary abrasive barrel station only)
- Long life span of the consumables. Less replacement needed.
- Easy hands-on, straightforward operation, LED light built-in
- User friendly touch screen interface

TECHNICAL DATASHEET

Maximum working width: 1280mm	Consumables: Wide abrasive belt, abrasive barrel
Working thickness range: 0-50mm	Quantity of abrasive barrels per set: 8
Conveyor speed: 1.5-5m/min	Weight: 5000KGS

GOOD FIT MATERIALS

- * Steel, stainless steel, aluminum, copper, various alloys and etc.
- * Parts with vinyl films.
- * Parts that require heavily rounded edges (radius) before coating process.



MORE MACHINE MODELS AVAILABLE (MODULAR DESIGN)

- SP1300 with only planetary abrasive barrel station is a good fit for processing softer metals such as copper and aluminum, as well as parts with decent cutting quality with minor burrs
- SGGP1300 with two sets of wide abrasive belt heads and planetary abrasive barrel station is a good fit for processing parts with heavier burrs, or high hardness metal alloy materials
- SPG1300 with planetary abrasive barrel station on the front and wide abrasive belt head on the back is for reproducing the straight line surface finishing after deburring and edge rounding process
- SGGP1300 with wide abrasive belt head + planetary abrasive barrel station + wide abrasive belt head
- SGPB1300 with wide abrasive belt head + planetary abrasive barrel station + polishing barrel station
- Up to 1600mm extra wide working width machine



SP1300

