

LSP-L800-H sanding & deburring machine technical parameters

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**Enterprise profile:**

Lanuss Group, the company's own workshop of 16,500 square meters, including the office building, production workshop, staff canteen, staff dormitory. Lanuss Industrial Equipment (Suzhou) Co., Ltd. is a national high-tech enterprise, mainly engaged in metal surface grinding equipment. Set research and development, manufacturing, sales, after-sales service integrated professional customized high-end special grinding machine tool company. We have an industry-leading technology and a strong manufacturing team, uphold the spirit of "respect for technology, brave innovation", has been favored by the majority of high-quality enterprises. In 2016, we passed the ISO9001 quality system certification, and in 2017, some of our products passed the CE certification. Venus actively declare a number of technology patents (three international patents, more than 50 domestic invention patents, utility model patents, design patents), Venus products popular international market, in 26 countries overseas have agents, we to strengthen product competitiveness as the goal, to establish a global professional sales and service network, realize the company strategic globalization.

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Lanuss Suzhou Company



Lanuss Hubei Company



LSP系列产品

应用于激光切割、剪板下料、冲压下料、水刀切割等工作表面预磨、拉丝、抛光、去划伤、去毛刺、倒角倒钝等加工



LSD系列产品

应用于汽车零部件、精密冲压件、粉末冶金件、齿轮类零件表面拉丝、抛光、倒角、去毛刺、倒钝等加工



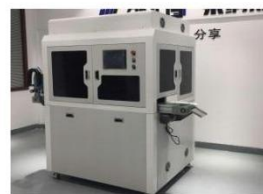
LSB系列产品

应用于单面或者双面金属板材激光切割、等离子切割、火焰切割等去熔渣、除锈、倒角、去毛刺、倒钝等加工



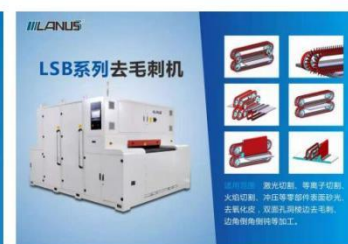
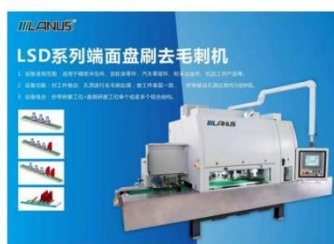
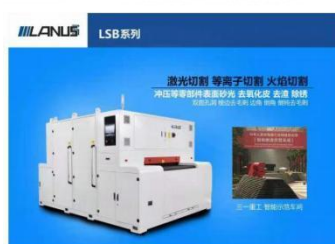
LSG系列产品

应用于金属板材表面去氧化皮、拉丝、抛光、拉毛、除锈、高精度定厚等加工



非标自动化产品

应用于异型工件类特殊定制款去毛刺、抛光等加工机型



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Our customers



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Enterprise honor



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LSP-L800-H sanding and deburring machine

LANUS
莱纳斯



I. Main processing scope of the equipment

1. Processing products: carbon steel, stainless steel, aluminum plate, copper plate, all kinds of non-ferrous metals, etc

2. Equipment function:

This equipment is a dry sand belt and four groups of universal sand tablet roller brush combination model. It is mainly used to handle the workpiece edge, hole deburr treatment and realize the metal plate hairline, deoxidation skin, polishing and other processing treatment. For stamping, shear, laser cutting, plasma cutting, flame cutting and other processes of the burr can be removed in all directions, so that all edges, holes to achieve a small R arc effect, the processing process is safe and reliable, so that the workpiece to achieve perfect quality.

II . the working principle of the equipment

This equipment first through a set of sand belt station to remove the slag particles on the surface of the workpiece such as large burr, and then through 4 groups of universal sand tablet roll brush combination, adjacent two sander roll brush rotation, sander roll brush combination, to the edge of the workpiece, inner hole high speed centrifugal grinding, scraping, cutting, file, no burr, no effect on the accuracy of the workpiece edge,

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inner hole burr removal and uniform R Angle (R Angle size can be realized by using different process and abrasive belt), through processing, will not destroy the accuracy of the workpiece size.

At the same time, the sand belt station and sand rolling station can also run independently: sand belt station independently can achieve metal hairline, polishing, peeling, slag and other processing; sand rolling brush independent operation can achieve 360 degrees without dead Angle burr treatment, especially for laser cutting, CNC punching under coated sheet metal parts, not only the burr removed clean, and do not hurt the film, the sheet metal without scratch. Because this equipment uses special soft abrasive wire, only designed for the characteristics of burr, so it is a harmless (in the case of film) sheet metal surface effect of burr equipment, and the special workpiece with superior processing efficiency..

The conveying system is equipped with strong vacuum negative pressure adsorption fixed workpiece, for 50mm above 50mm workpieces can be realized without tooling through machining, special workpiece can be selected supporting tooling fixed machining. The transmission system frequency conversion without speed control.

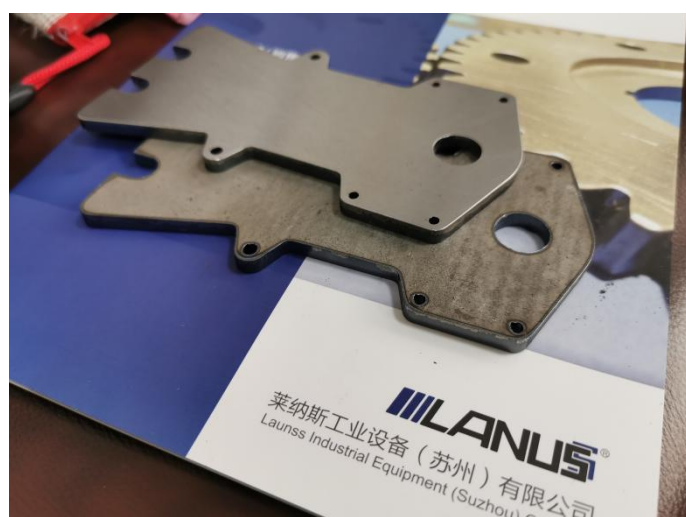
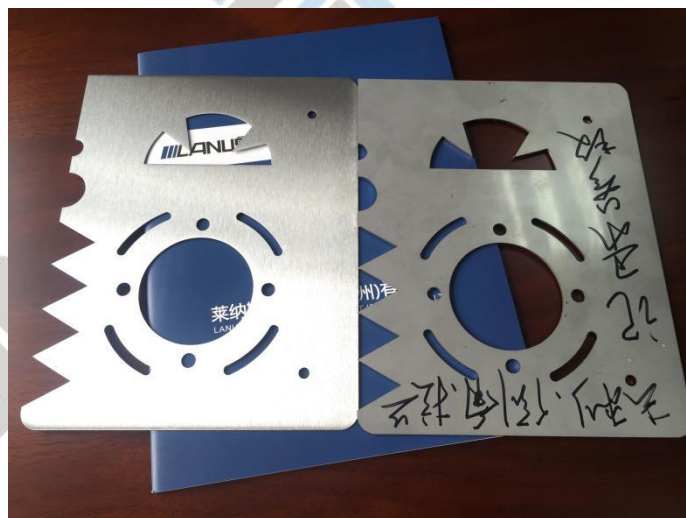
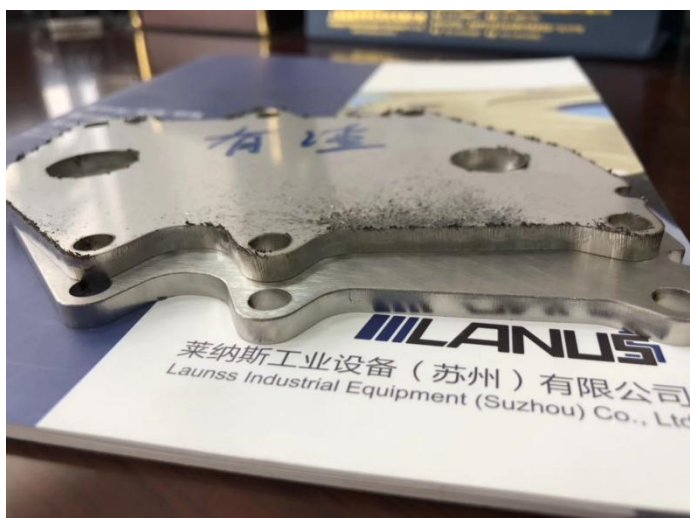
Supporting wet vacuum cleaner, reduce safety risks, efficient treatment of grinding dust, through the top high pressure high flow fan to the grinding dust inhalation dust chamber, through water deposition in water spray dust, dust environmental filtration and absorption, clean air discharged into the atmosphere. For operators to demand a good working environment, recycling and grinding metal powder, to achieve environmental protection production.

Advantages of using the equipment:

1. Improve production efficiency: continuous feeding through the type of processing, can meet the demand of order processing volume;
2. Improve product quality: the workpiece processing consistency is good, the surface treatment effect is far beyond the manual treatment effect;
3. Cost saving: the cost of processing workparts per unit area is much lower than that of manual processing;
4. Safety and environmental protection: dust absorption, workers 'operation safety, improve workers' working environment.

III . Schematic diagram of the equipment structure and the comparison before and after the deburr processing

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IV. Main technical parameters of the equipment:

working width	$\leq 800\text{mm}$
Processing thickness	0.5~80mm
Minimum processing size	50mm × 50mm
The power of the machine	29.5KW
Sand belt size	$\Phi 1910\text{mm} \times 800\text{mm}$
Sand rolling brush size	$\Phi 300\text{mm} \times 300\text{mm}$
Delivery speed	0.5~6m / min
Sand belt line speed	12m /s
Rolling brush rotation speed	Adjustable frequency conversion of 500~1400r / min
Rolling brush public speed	1~15r / min
Number of roller-brush planetary revolution shaft heads	1
Number of rolling-brush planetary rotation shaft heads	4
Machined thickness servo adjustment precision	0.01mm
Rolling brush compensation servo adjustment precision	0.01mm
Grinding consumables	Sand belt + rolling brush
Dust dust air volume	5000m ³ /h
contour size of the unit	Length 3050mm wide 1950mm height 2150mm
The weight of the whole machine is about	3.2T

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V. Main configuration list of the equipment:

project name	specifications and models	quantity	function	brand
Sand belt main grinding wheel	Φ 185mm \times 800mm	1	For sand strip grinding	Lanuss
Sand belt main motor	7.5KW	1	For sand band power	ShiYang
Rolling brush rotary motor	4KW	1	For rolling and brush small shaft rotation power	ShiYang
Roller brush rotary deceleration motor	750KW	1	For the brush to roll the transfer power	ShiYang
conveyer belt	Φ 5520mm \times 800mm	1	It is used for transportation and feeding	Enter port
Conveyor belt drive motor	1.5KW	1	Used to transport power	Xinling
Transmission reducer	RXF77	1	For conveying transmission	Xinling
Workbench lift servo motor	750W	1	For machining the thickness adjustment	Lanuss
Sand belt deviation correction detection switch		1	For sand belt deviation correction detection signal	Bonner, United States
Zhang tight cylinder	ACQ80 \times 30	1	It is used to tighten the sand belt	AirTAC
Rectify the deviation cylinder	SDA63 \times 10	1	It is used for sand band correction	AirTAC
Rolling brush rotation frequency converter	4KW	1	For three sets roll brush rotation speed adjustment	ZhongChen
Roller brush rotary frequency converter	0.75KW	1	For roll speed control	ZhongChen
Transmission motor frequency converter	1.5KW	1	Used to transport speed	ZhongChen
Vacuum adsorption fan	15KW	1	For vacuum negative pressure adsorption	Lanuss
High speed bearing		1	For high speed rotation	HRB
low-voltage apparatus		1	For electrical control	Chint
	PLC	1	Used for complete machine control	MEGMEET
touch screen	7 Inch	1	Used for complete machine control	MEGMEET

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VI.Requirements for installation:

1. Adequate horizontal installation space (4m*5m).
2. 380V, 50HZ power supply ($\pm 10\%$).
3. Clean compressed air and gas source.

VII.Random information: (two user manuals, including the following contents, a set of random tools)

1. Mechanical schematic diagram
2. Electrical schematic diagram
3. Specifications and models of vulnerable parts
4. Record of the main accessories and supporting manufacturers
5. Product qualification certificate
6. One detailed instruction manual

VIII. Product installation and personnel training (For equipment outside Chinese Mainland, this service is charged additionally)

1. After the equipment arrives at the delivery place of the Demander, the Demander shall bear the costs of unloading and handling, and the Demander shall immediately cooperate with the Supplier's engineer to carry out the equipment landing, installation and debugging. The domestic demand shall conduct acceptance 3 days after the completion of commissioning. If the demander delays to cooperate with the supplier engineer in equipment landing, installation, commissioning or arranging acceptance, it shall be deemed to have been qualified. If the demander uses the equipment without the acceptance inspection, the demander shall be deemed to have passed the acceptance inspection. If the demander fails to raise a written objection during the acceptance period (that is, 3 days after the completion of the commissioning) to the supplier about the product quality, it shall be deemed to have passed the acceptance inspection, regardless whether it has signed or sealed the acceptance form.

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2. After the demander passes the acceptance inspection, the supplier shall conduct a free training to the demander's personnel. The training content includes equipment principle, equipment construction, process instructions, equipment maintenance, safety protection, operation and simple troubleshooting, etc. The training time is about 1 to 2 days.

IX. Quality assurance and after-sales service (For equipment outside Chinese Mainland, this service is charged additionally)

1. The processing products shall be seriously deformed or obviously exceed the processing capacity of the equipment and shall not be illegal operation, otherwise the service life of the equipment will be affected. 2. The whole equipment machine is guaranteed for one year, and the warranty period starts from the date of acceptance. Damaged parts (conveyor belts, rubber rollers, etc.) and consumables are not covered by the warranty. During the warranty period, if Party A fails to use the contract equipment according to the equipment operation rules and equipment use environment requirements, or damage the contract equipment and consumables caused by intentional or negligence or force majeure, it is not covered by the free warranty, and the expenses incurred shall be borne by Party A.

3. Party B shall provide lifelong maintenance (if the warranty scope exceeds the warranty period, Party B may charge maintenance fees) and provide free consultation and software upgrade services. However, because Party A violates such services herein, Party B may refuse to provide such services.

4. Party B shall respond immediately after receiving the notice of Party A's repair report. If the problem cannot be solved through telephone, fax, network and other communication channels, Party B promises to send maintenance personnel to Party A's site within 24 hours. (Except for force majeure factors).

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