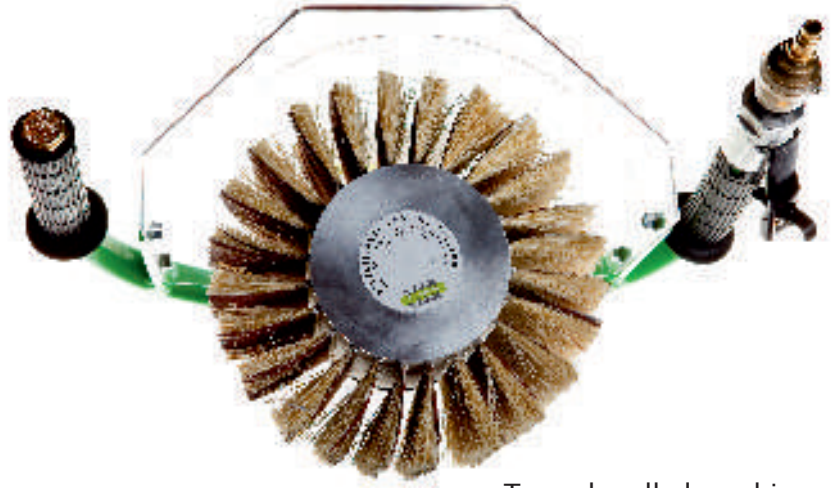


machines catalogue

PolishStyl – professional brushing technology



Two-handed pneumatic polishing-sanding machine is made for quick and effective sanding of wood and wooden derivative elements in piles. The right combination of our sanding brushes allows to obtain an excellent surface quality.



Two - handled machine

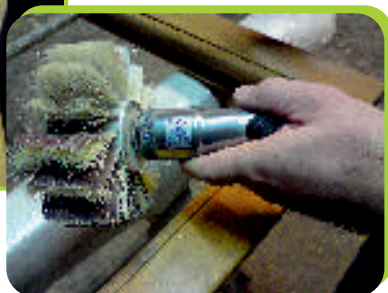


One - handled machine

	two-handed	one hand
rotation [rpm/min]	800-1300	100-1600
power [kW]	0,55	0,23
weight of machine with head and brushes [kg]	2,7	1,2
air consumption [l/min]	750	200
diameter of the head [mm]	115	80
length of the abrasive brushes [mm]	130	60
number of brushes on circumference [pcs]	24	18
recommended pressure [bar]	6,3	6,3



Where the mobility is the most important.



High performance during sanding between lacquering.



Ideal for sanding any kind of wood and wooden derivative material.

Table and versatile machines

Drum sanders PS-DSB and PS-KSB due to a simple construction and high functionality are used for sanding after mechanical treatment of wood and wooden derivative elements which are flat, convex, profile and with complicated, curvilinear shapes. It is the ideal application for production of: chairs, tables, sofa corners, armchairs, toys, bent and stylized furniture, and also for doors, stairs, and all kind of gallery. These sanders have minimum three speed of rotation of a spindle or smooth regulation of rotation. It is possible to mount the sanding brushing drums, pneumatic sanding drums, and also various kind of sanding and polishing tools on the spindle of the machines. Thanks to their simple service and low price, the machines give satisfaction for small and big manufactures.



The construction of the sanding machine PS-DSB allows to mount two kind of different tools, which work in horizontal system of working (manual sanding).

	PS-DSB
work system	horizontal
power [kW]	1,1
Speed of the spindle rotation	550/650/850
	850/1050/1250
	smooth regulation

Sanding machine PS-KSB consists of a power unit with a spindle which allows to put the tool at a different angle to the element during treatment. The element is put on the table, which can be regulated in vertical and horizontal axis.



	PS-KSB
work system	horizontal/vertical
power [kW]	1,1
Speed of the spindle rotation	550/650/850
	850/1050/1250
	smooth regulation



Brushing machine PS-SPS-100 is equipped with brushing strips forming the brushing area 10 cm high. Construction of the machine is based on special toothed belt equipped with the same system of strips as is used in sanding machines with oval heads. The toothed belt provides uniform quality of sanding as a result of elimination of the beating radiance effect. The elements which are treated must be tightened only to the toothed sanding belt and do not need to be moved forward as regards an oval sanding head. Thanks to this method the time of the treatment is much more shorter.

	PS-SPS-100
belt speed with smooth regulation [m/min]	20-220
power of engine [kW]	0,75
number of strips [pcs]	140
oscylation in vertical direction [mm]	32
manual regulation of work area [mm]	70
oscylation engine [kW]	0,75
fan engine [kW]/[rpm/min]	0,75/2800
table dimensions mm	2400x620
angle of arival regulation of the table (degrees)	0-10
move regulation of the table [mm]	60
size of machine length/width/high [mm]	2400/1100/1200
diameter of connector pipe [mm]	100
air consumption [m3/h]	680
weight [kg]	480

Shape sanding machine PS-S12 are made for sanding wood and veneer surface after shape milling. They also can be used for sanding between lacquering. The sanding machine PS-S12 is used together with a milling machine or a planer in the way that enables the use of their feed.

- Sanding heads: 2 x up
- Smooth regulation of the speed of rotation of spindles
- More options of the equipment:
- Running table with rolls that enables manual feed

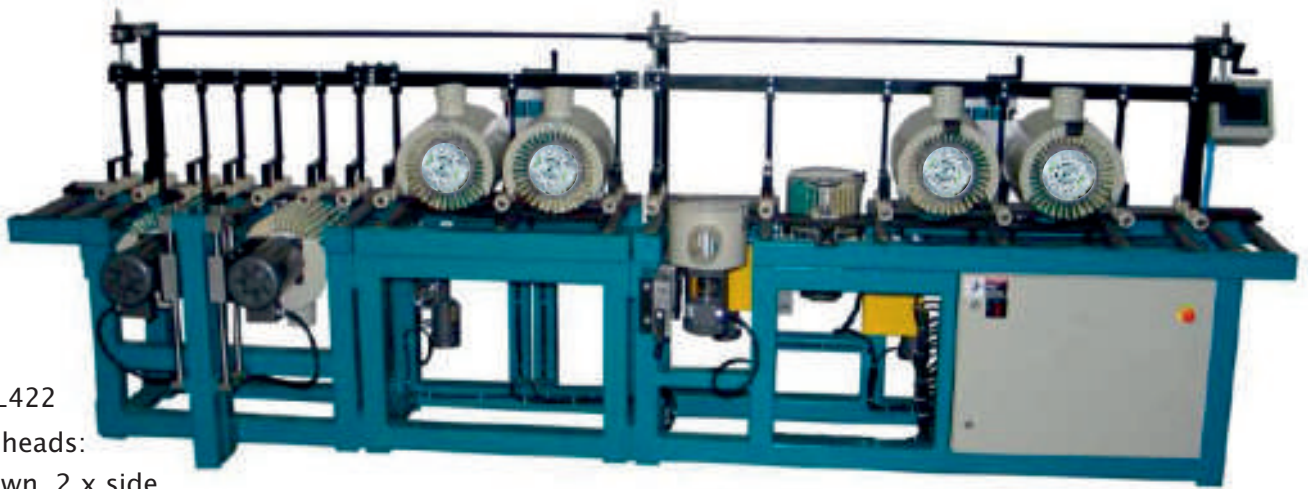


	S12
Max hight of the sanded element [mm]	100
Max width of the sanded element [mm]	300
Recommended min Length of the sanded element [mm]	390
Transmission of horizontal spindles (engine power) [kW]	0,75
Work diameter of horizontal strips [mm]	300
Rotation of work spindles [rpm/min]	300-1300



Sanding-polishing machine PS-SP-300 is used for sanding and polishing wood and wooden derivative elements with flat surface and also with difficult shape for elements with max width 300 mm. PS-SP-300 are offered with one-, two-, three- and four spindles. It is possible to mount different kind of sanding tools on each spindle, depending on particular production project. For example while sanding and finishing a surface, after mechanical treatment, from sanding to polishing, between and after lacquering, launching, oiling, patinating and using other technologies. The spindles have at least three speed of rotation or smooth regulation of the speed of rotation. Moreover each spindle has synchronous rotations and inversely in relation to the direction of treated element. The sanded element is moved with the help of transporter belt, which is equipped with smooth feed regulation.

	PS-SP-300
Width of sanding [mm]	300
Max thickness of element [mm]	100
Spindle rotation [rpm/min]	550/650/850/smooth
Spindle diameter [mm]	30/40
Power of spindle engine [kW]	1,1-3
Sanding	concurrent/backward
Transporter speed [m/min]	2-18



PS-L422

Sanding heads:

4 x up, 2 x down, 2 x side

Shape sanding machines serial number PS-L are equipped with suitable quantity and kind of the heads, depending on customer's request. The distance and the bend angle of the heads in relation to the treated elements can be changed thanks to manual regulation. With a view to set the treated element correctly, there is a regulated pressure. The brushing elements are moved with the help of the rolls. The control of the machine can be performed by tactile panel or conventional potentiometer.



PS-L200

Sanding heads:

2 x up



PS-L202

Sanding heads:

2 x up, 2 x side



PS-L112

Sanding heads:

1 x up, 1 x down, 2 x side

	PS-L200	PS-L202/L112/L222
Max high of sanded element [mm]	100	100
Max width of sanded element [mm]	300	300
Recommended min length of sanded element [mm]	390	750
Transmission of horizontal spindles (engine power) [kW]	0,75	0,75
Work diameter of horizontal strips [mm]	300	300
Transmission of vertical spindles (engine power) [kW]	---	0,37
Work diameter of vertical strips [mm]	---	200
Rotation of work spindles [rpm/min]	300-1300	300-1300
Feed transmission (engine power) [kW]	0,37	0,37
Linear feed speed [m/min]	5-20	5-20



Multi – brush sander PS-DCSF 27 is made for sanding two, three or four surface of a lath in one transition. According to the profile of sanding laths, there is a possibility to change the angle with different width and high of the side brushes. The roller transporter can be mounted independently to the sanding heads and assures solid and accurate feed of the treated elements. The high range of smooth regulated feed speed and the rotations of the sanding brushes gives the best result of finishing a surface.

Depending on technological needs, there are different configurations of the brushes – examples below.



	PS-DCSF 27
Min length of treated laths [mm]	350-500
Max work width [mm]	270
Max thickness of lath [mm]	120
Power engines of spindles transmission up and down/side [kW]	1,5 / 0,75
Brushes rotation (smooth regulation) [rpm/min]	100-800
Spindles diameter [mm]	50
Diameter the brushes [mm]	180-280/180
Feed speed with smooth regulation [m/min]	5-18
Dimensions length/width/high [mm]	3000/1035/1500
Weight [kg]	~800

Possible configurations:





Polishing- sanding machines PS-DCSF-63, 90, 110, 135 are made for finishing sanding of flat and profile surface such as: laths, fronts, doors, stiles and other elements by sanding heads. The application of at least two sanding units allows to receive perfect quality after sanding. The polishing - sanding machines can be equipped with vacuous table and have a turbo blower as a standard equipment.

	PS-DCSF-63/2W	PS-DCSF-90/2W	PS-DCSF-110/2W	PS-DCSF-135/2W	PS-DCSF-135/4W
Width of sanding [mm]	630	900	1100	1350	1350
Diameter of brushing grinding wheels	290-380	290-380	290-380	290-380	290-380
Min length of sanded elements [mm]	600	700	900	900	900
Speed of sanding with smooth regulation [m/min]	2-6	2-6	2-6	2-6	2-6
Feed speed of the table with smooth regulation [m/min]	5-30	5-30	5-30	5-30	5-30
Power engines of the main transmission [kW]	2x0,75	2x1,5	2x1,5	2x2,2	4x2,2
Power engine of feed transmission [kW]	0,75	1,5	2,2	2,2	2,2
The range of lifting the rolls [mm]	100	150	150	150	150
Diameter of connector pipe [mm]	2x100	180	250	250	2x250
Air consumption [m3/h]	2x1000	3000	4000	4000	2x4000
Dimensions length x width x high [mm]	1790/1450/2100	2800/1700/2200	2800/1900/2200	3400/2150/2200	3400/2210/2200
Weight [kg]	500	800	1100	1300	1700



PS-SP-3-300-1330x3

The machine is made for sanding – finishing work of wood and wood derivative elements with difficult shape of the surface in lacquering, waxing and oiling process. The sander has got the units which can be equipped with a wide range of sanding tools and brushing heads. It allows to make all kinds of finishing and sanding works from sanding to cleaning. The sander is equipped with the system of pressing rolls which are useful during the treatment of small and light elements. The brushing heads and the rolls have smooth regulation of speed. The sanding–polishing machine has got the system of high regulation of the spindle which has influence on the intensity of sanding or polishing of the treated elements.



PS-SP-3-300-1330x3



PS-SP-3M300-810x2

	PS-SP3-300-1330x3	PS-SP3M-300-810x2
Power supply [V/V/Hz]	400/230/50	230/50
Total electric power [kW]	13	1,7
Dimensions length/width/high [mm]	1500/2120/1880	1500/800
Roller transporter inside the machine length/width [mm]	1500/1300	-
Optimum speed rotation of spindles [rpm/min]	100-600	100-600
Transmission of electric spindles [kW]	3x1,1	-
Speed of working transporter [m/min]	10-15	2-10
Connector pipe/dust removal [m3/h]	3 x 1750	-
Work high [mm]	850 - 950	800 - 950





PS-SP-4-300-1330x3-Px2

Additional options:

- The machine is adapted to work in technological line
- Pneumatic turbo blower of fluids
- Deionizing lath to discharge electrostatic loads from dust.

The machine is available with the width 1000 mm

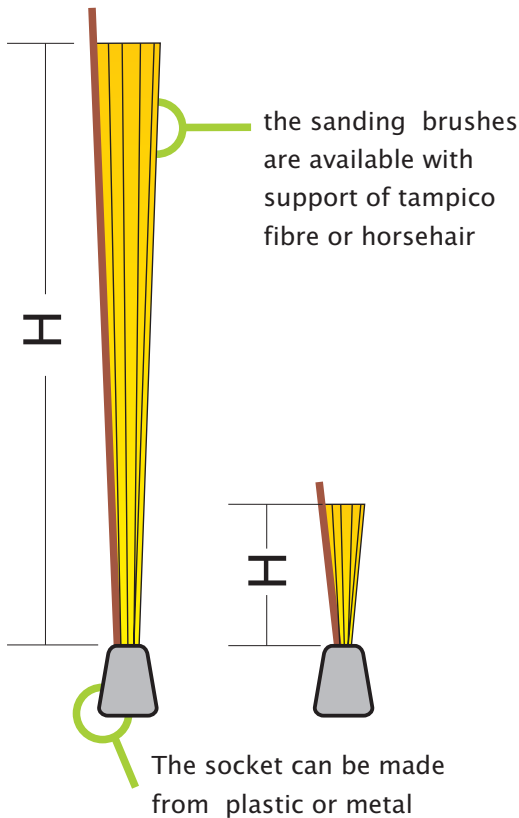
	PS-SP4-300-1330x3/Px2
Power supply [V/V/Hz]	400/230/50
Total electric power [kW]	16,5
Dimensions length/width/high [mm]	2500/2200/2000
Roller transporter inside the machine length/width [mm]	2500/1300
Optimum speed rotation of spindles [rpm/min]	100-600
Transmission of electric spindles [kW]	3x1,1
Speed of working transporter [m/min]	10-15
Connector pipe/dust removal [m3/h]	2 x 2000 + 5200
Work high [mm]	850 - 950



Sanding belts for backward transverse sanding



spin brushes

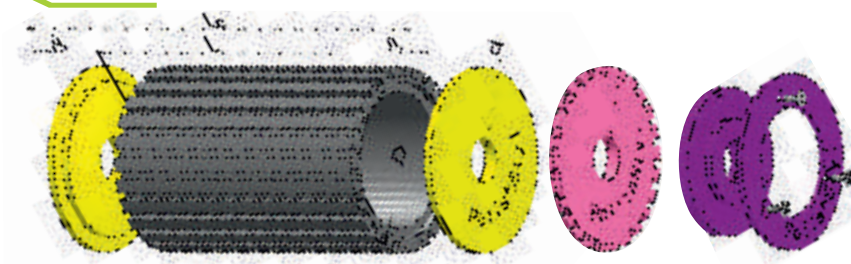


We would like to introduce an exchangeable system of sanding brushes which is used in production lines of big furniture factories and also in hand operated machines. Depending on technology of surface finishing we can offer You brushes with sanding cloth, nonwoven, natural leather, abralon, natural fibers or horse hair. The suitable choice of sanding material, grain, cuts and support system guarantees the optimal effect during sanding, polishing or grinding of oil or wax.

Brushes dimensions				
Index	Cuts shape	Description	Range of cuts	
I_1		Width of the sanding stripe(mm)	2; 4; 7; 20; 50; 100; without cuts	
I_2				
I_3				
H	Fiber height (mm)		20 ÷ 110	
L	Length of sanding brush (mm)		35 ÷ 2500	

We are a producer of sanding heads which guarantee long stand time and easy work thanks to its construction and precision of finishing. In production of our sanding heads we use light alloys or properly rigid and strain resistant plastics. We make sanding heads with strait and spiral grooves, which combined with rotation direction regulation and makes possible effective and quite unique sanding of either plane or the edge of element.

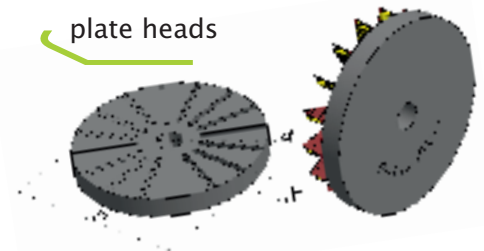
roller heads



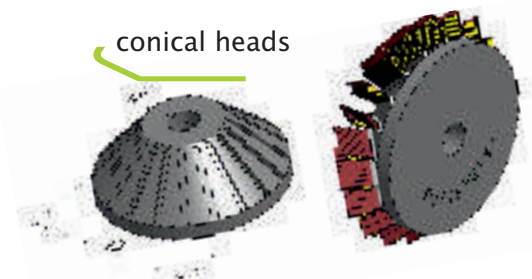
Depending on conditions which come of the machine construction, the different brush blocking system is used. As a result the removal of the brushes is simple and quick, and there is no need to take off the whole sanding head from the machine.

DIMENSIONS OF SANDING HEADS (TYPES B,C,D,G,H)											
L	50 ÷ 2200 mm										
A	2 ÷ 5 mm										
B	15 ÷ 25 mm										
d	Ø 20 ÷ Ø 80 or other if needed										
D	Ø 56	Ø 60	Ø 80	Ø 100	Ø 110	Ø 115	Ø 125	Ø 150	Ø 180	Ø 280	Ø 310
Quantity of brushes	12	14	18	20	22	24	26	32	36	54	60

plate heads



conical heads





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