



EQUIPMENTS FOR THE SURFACE'S TREATMENTS

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Vacuum SANDBLASTERS

The vacuum **shot peening** process performed with glass micro-spheres is currently considered the best treatment to prepare a surface for a subsequent protective coating treatment. This process produces chemically and physically clean surfaces and also improves the resistance of mechanical components to metal fatigue resulting from continuous cycles. The treatment actually "hammers" the superficial layer of molecules and relieves tensions. This thin layer of compressed molecules counteracts inner tensions. Shot peening performed with glass micro-spheres removes any surface tensions, cleans and seals cracks and microscopic slots, as well as any dents caused by corrosion and oxidation traces invisible to the naked eye. Shot peening performed with glass micro-spheres does not alter the outer dimensions of the parts under treatment. With these machines it is also possible to use corundum, ceramic and metal grains.



SPECIAL high-pressure or vacuum SANBLASTERS

The production of standard sandblasters – shot peening machines is completed by job production, according to customers' requirements (from large-sized sandblasting booths for several operators to PLC-controlled satellite **automatic plants**).



High-pressure SANDBLASTERS:

The high-pressure sandblasting/shot peening is adopted when the use of metal abrasives is required or to speed up any treatments performed with non-abrasive products, such as ceramic or glass micro-spheres, corundum or metal grains.

The blasting material is continuously cycled from the treatment chamber to the pressure reservoir through a filtered separator cyclone and once the filter has removed all impurities is automatically cycled again. Constructed mainly with STAINLESS STEEL, these machines are designed to be FLEXIBLY EMPLOYED, and may be modified with the following optionals:



- side doors
- rotating table with fixed pivot or trolley
- motorized tumbling barrel
- planetary device with satellites
- devices used to convey irregularly-shaped items

Standard Sandblaster			bit. 60	bit.100	bit.150	bit.100p	bit.150p
Dimensions of treatment chamber	lunghezza	mm	600	930	1500	2000*	2500*
	profondità	mm	580	900	1200	900	1200
	altezza	mm	485	485	900	485	900
Overall dimensions	diámetro piattaforma	mm		870	950	870	950
	lunghezza	mm	625	950	1700	950	1700
	profondità	mm	1025	1350	1700	1350	1700
	altezza	mm	1800	1850	1900	1850	1900
Electric exhaust fan	kw		0,55	0,55	1,2	0,55	1,2
Working pressure	bar		6-7	6-7	6-7	6-7	6-7
Air Consumption	t/min		600	600	600	600	600
Compressor's capacity	kw		5,5	5,5	5,5	5,5	5,5
Diameter of the pickling nozzle	mm		7	7	7	7	7
Filtering surface	m ²		1,7	1,7	1,7	1,7	1,7
Capacity of the pickling material	Micro-spheres	kg	15	15	15	15	15
	Corundum	kg	23	23	23	23	23
Internal lighting	w		15	30	30	30	30
Power supply	v/hz		220/380/50	220/380/50	220/380/50	220/380/50	220/380/50

(*) This value includes the pressure recovery device (size 1000 x 1000 x 2200h)

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