

CLOSED – CIRCUIT SUCTION FED SANDBLASTING MACHINE - Mod. PR2

Application sectors

01.00	Carpentry, Boiler builders, Shipbuilding	✓
02.00	Rail industry, Production and Maintenance	✓
03.00	Foundry, Steel industry, Mining, Oil industry	
04.00	Inox manufacturing and furnishing	✓
05.00	Aviation industry	✓
06.00	Thermal treatment, Filling steel, Mechanics	✓
07.00	Car and motoring industry	✓
08.00	Internal and external pipes and cylinders sandblasting	✓
09.00	Plastic, Rubber and Galvanic	✓
10.00	Painting company and plants	✓
11.00	Glass industry	✓
12.00	Building and Road construction	
13.00	Nuclear energy	✓
14.00	Weapons industry	✓
15.00	Electromechanics and Electronics	✓

Specification



Picture of the sandblasting machine Mod. PR2

Technical details

Length	1000 mm.
Width	500 mm.
Height	1500 mm.
Weight without abrasive	125 kg.
Air consumption	2 m ³ / min.
Vacuum system	Air ejector
Blasting nozzle	3/8" (9,5 mm.)
Standard hose length	3 mt.
Pot capacity	50 kg.
Blasting cycle	Continuous
Advised abrasives	Aluminium oxide Glass beads

Important:

This machine requires only compressed air for its work.

Other applications:

- Preparation for welding, ship building
- Partial stripping of passengers rail cars
- Cleaning of molds and dies
- Roughening milling cylinders and graphics

CLOSED – CIRCUIT SUCTION FED SANDBLASTING MACHINE - Mod. PR2

General information

The “PR2” machine is a portable sandblasting machine, which works with suction compressed air with a complete vacuum system for the recovery and the regeneration of the abrasive.

It is designed for use with a brush-sandblasting gun.

With the brush-sandblasting gun, the blasting operation and instantaneous recovery of the abrasive are confined within the body of the sandblasting gun: this peculiarity allows to carry out a blasting operation in perfect absence of dust, in open locations, without the need for special screens and suits or protections in general, allowing the continuation of normal operations and functions in the immediate vicinity.

The abrasive is sucked from the storage hopper by the air stream generated through an air ejection, and carried to the blasting nozzle. The storage hopper is not pressurized and therefore can provide for long time a continuous blasting operation. The hopper is not pressurized and the machine can operate continuously but with a lower intensity jet than the one obtained in pressure-fed machines. Thanks to the continuity of work, this machine is suitable for long and continuous sandblasting operations.

The blasting gun is of easy handling. The use of various types of abrasives such as corundum or glass microspheres is foreseen. Alternatively, metal abrasives (only medium – fine grades), metal or cast iron grit (spherical or angular) can also be used. The model includes the generator – recuperator and the dust collector mounted on the carriage together. The abrasive recovery system employs a suction air line generated by the air ejector built into the dust collector.

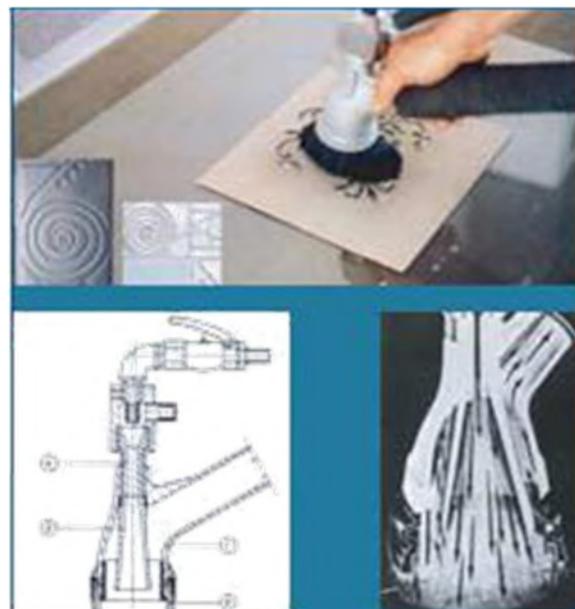
The unit is supplied equipped with blasting gun, air abrasive valve control, pipes and hoses 10 ft. (mt.3) long. The machines is mounted on wheels, and doesn't require the electrical power supply

The closed circuit brush

The closed circuit brush:

The closed circuit brush includes:

- the body that together the brush holds the abrasive and debris during blasting;
- the inner cone, which creates a wall between flow of the outgoing nozzle abrasive and the recovery airflow of the abrasive and debris collected from the work surface;
- the blasting nozzle at the top of the gun body is inserted together with the air ejector nozzle in a separate block with connections for air supply pipes or abrasive delivery;
- normally is provided with a flat brush for regular or slightly irregular surfaces;
- in order to prevent wear of the “mouth” of the body of the brush, rubber inserts are provided.



The closed circuit brush