



Compressed air activation

Application sectors

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

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

Specification



Picture of the PR3 model



Technical data:

> Length	1100 mm.
> Width	700 mm.
> Height	1600 mm.
> Weight (without abrasive)	150 kg.
> Compressed air consumption	2,8 m3 min.
> Vacuum system	air ejector
> Blasting nozzle diam (made of tungsten carbide) (on request for aluminium oxide can be supplied model of boron carbide)	Ø 5 mm.
> Standard hose length	6 mt.
> Pressure pot capacity	24 lt.
heavy abrasives	100 kg.
light abrasives	50 kg.
> Blasting cycle	
heavy abrasives	10 ÷ 12 min.
light abrasives	10 ÷ 15 min.
> Abrasives recommended sizes	
chilled cast iron	G12.G07.G05.G02
steel round shots	S390.S340.S240
	S170.S120.S07
	14/24 24/30
	30/40 40/60
	(60/80)
glass beads	400/800 400/600
	250/400
	(175/300)



General information

GENERAL DESCRIPTION

- > THE GENERATOR is conveying the abrasive from the storage tank to the nozzle in blasting gun.
- > THE RECLAIMER is sucking abrasive, debris and dust, separating them according to their sizes, and keeping the abrasive clean and constant in size.
- > AIR EJECTOR is producing the vacuum necessary to pick up the spent abrasive and debris from the blasted surface.
- > DUST COLLECTOR is filtering the air before to be released to the open air.
- > BLASTING GUN is producing the shot blasting and the instantaneous recovery of abrasive and debris on the area limited by the gun brush.
- > RUBBER hoses for abrasive feeding, recovery and control.
- > Movable frame on rubber wheels.

WORKING PRINCIPLE

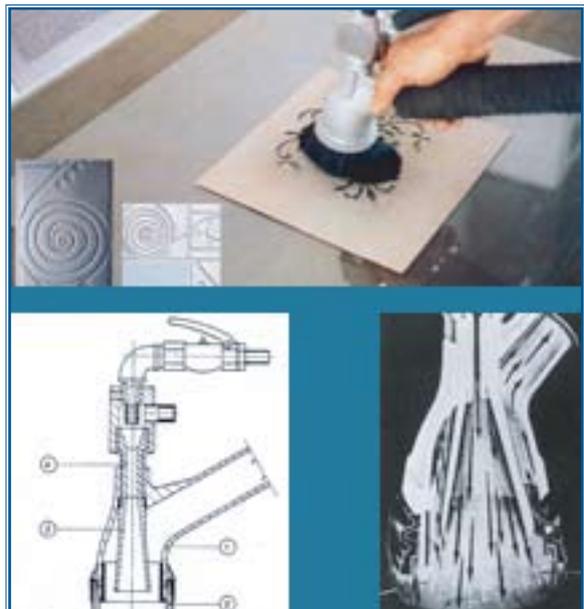
The abrasive contained in the pressure pot is sent to the blasting nozzle through the adjustable feed valve. During the shot blasting operation the abrasive, the dust and debris are all continuously recovered and pneumatically conveyed to the reclaimer. The recovery vacuum is produced by an air ejector. All the particles conveyed to the reclaimer are separated through the cyclone by centrifugal action and the finest particles are sent to the air filter. The cleaned abrasive is separated from heavy debris throughout a sieve, and dropped into the hopper, ready to start the blasting cycle. The Shot blasting and the recovery operations are all incorporated in the blasting gun. This is assuring a clean and safe blasting operation without need of protection. The PR 3 unit, because of its low weight and versatility, meets more and more demand for shot blasting cleaning operation on whole surfaces, or some of them.

The closed circuit brush

The closed circuit brush:

The closed circuit brush includes:

- > the body that together the brush holds the 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

