

RECYCLING SANDERS

CA 40 S

CP 24 PV 06 C

CP 24 EI 06 C

CP 24 M C



**PRO
TECH**

ADVANCED SANDBLASTING SYSTEMS

WHY BLAST WITH VACUUM SYSTEM

The vacuum blast system, even if it allows moderate rendering compared to the same power applied to free jet blasting, in some cases, becomes interesting and competitive because it:

Solves completely the problems concerning to environment impact and security Reduces the necessary times for mask's preparing of surface to be treated eliminates the recovery problems and, with the most models of machines, also the selection of used abrasive problems.

Some interesting applications of this working type are the following:

- *Cleaning and polishing of welds on stainless steel products in alternative to the use of acids*
- *Cleaning and execution of written and decorum on marble, glass, crystal, wood, steel, ABS etc. surfaces*
- *Sandblasting of cylinders in continuation to mechanical processing on lathe: for this type of application it is possible to automate the sandblasting cycle by blocking the brush head in proximity of the revolving turret.*
- *Execution of located sandblasting operations on metallic manufactures or welds without damaging the adjacent parts.*
- *Cleaning operations on particulars such as staircases or flight of steps, stone bal-conies, marble or granite without stopping the people passing, emptying premises or protecting furniture or machinery.*



PROTECH VACUUM BLASTING MACHINES

Protech Srl manufactures a complete range of equipment to sandblast with recovery system, fit to solve the most different problems concerning this working type PROTECH vacuum blasting machines are trolley mounted machines, fit to carry out located sandblasting or cleaning operations without diffusing dust and/or abrasive, are capable to blast and recover instantaneously the used abrasive by mean of a special brush head.

All PROTECH vacuum blasting machines are equipped with compressed air pressure reducer for the blasting force control and with pneumatic remote control to start and stop the working cycle. The remote control is controlled by an handle valve equipped with safety, locking system and pneumatic circuit with sheated double hose to prevent eventual accidental starting

Every machine is supplied with CE mark, instruction handbook, declaration of conformity to the Machines' Directive 98/37 and painted with our standard colour.

CA 40 S

Vacuum blasting machine mod. CA40 S is particularly fit to carry out operations in continuous for which it is not necessary high power, because the abrasive supply system occurs with injection system through ejector. Therefore, this vacuum blasting machine is capable to use only abrasive such as corundum, microspheres of glass or other one having the same specific weight. The recovery system and selection of abrasive occurs through a medium pressure fan fitted onto a cyclone. The filtering unit for dust collection consists of a bag connected directly to the fan while the dross is collected into a box equipped with sieve. The abrasive tank has a capacity of 40 litres and it is provided with adjustable scoop to ensure a constant flow of abrasive to the nozzle.

Vacuum blasting machine mod. CA40 S is supplied equipped with:

- m. 4 hoses for blasting and abrasive recovering which are extendable to a maximum distance max of 8 m.



PART. N°	MODEL	VOLTAGE	POWER	MAX. COMPRESSED AIR CONSUMPTION AT 7 BAR	LENGTH OF SANDBLASTING CYCLE	WEIGHT	LENGTH	WIDTH	HEIGHT
47014000	CA 40 S	3 x 380 V	3 HP	1000 L/min.	continuous	190 Kg.	mm. 1000	mm. 800	mm. 1800

RACCOMANDED ABRASIVE	MAX. WORKING DISTANCE	SANDBLASTED SURFACE
ALLUM. OXIDE MESH 45 ÷ 80 GLASS MICROSPHERES 100/200÷400/800	8 mt	40 ÷ 45 mm

CP 24 PV 06 C

Vacuum blasting machines mod. CP24 PV06C and mod. CP24 EI06C are designed to carry out irksome works for which it is necessary much power because they work with pressure system by mean of a tank having a capacity of 24 liters. with. Therefore, these machines are capable to use all type of abrasive, metal grit included.

The abrasive recovery system occurs through vacuum pump in the model CP24 PV06C and through ejector in the model CP24 EI06C.

These vacuum blasting machines are supplied equipped with:

- *Centrifugal dust separator and filtering unit complete with self-cleaning cartridge by mean of compressed air jet*
- *Tank with capacity of 10 l. for dust collection*
- *mt. 8 blast and suction hoses and blast nozzle Ø 6 mm.*



CP 24 EI 06 C



PART. N°	MODEL	VOLTAGE	POWER	MAX. COMPRESSED AIR CONSUMPTION AT 7 BAR	FALLING TIME REGENERATED ABRASIVE	WEIGHT	LENGTH	WIDTH	HEIGHT
47034050	CP24 PV 06C	3 x 380 V.	4 HP	2700 L./min.	20-30 sec.	350 Kg.	mm. 1770	mm. 850	mm. 1800
47034060	CP24 EI 06C			6000 Lt./min.	20-30 sec.	310 Kg.	mm. 1770	mm. 850	mm. 1800

RACCOMANDED ABRASIVE	MAX. WORKING DISTANCE	ADVISED WORKING PRESSURE	SANDBLASTED SURFACE	SANDBLASTING CYCLE	Ø USED NOZZLE
ALLUM. OXIDE MESH 24÷80	24 m.	4÷6 BAR	40÷45 mm.	10÷15 min.	mm. 5-6-7
GLASS MICROSPHERES 150/250÷400/800	24 m.	4÷6 BAR	40÷45 mm.	10÷15 min.	mm. 5-6-7
METAL GRIT 0,3 ÷ 0,7	16 m.	6÷7 BAR	40÷45 mm.	10÷15 min.	mm. 5-6

CP 24 M C

Vacuum blasting machine mod. CP24 MC is designed to carry out desultory works, of retouch or of small surfaces for which it is necessary power.

The abrasive supply system occurs under pressure through a tank of 24 litres.

This machine, particularly easy to handle, is capable to use any type of abrasive which is recovered through an industrial vacuum aspirator supplied with 220 Volts one-phase.

Vacuum blasting machine mod. CP24 MC is supplied equipped with:

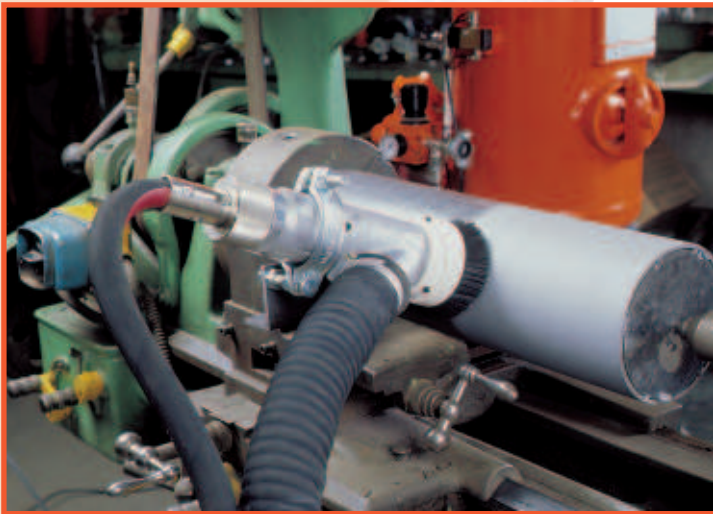
- m.4 blast and suction hoses and blast nozzle Ø 4 mm.



PART. N°	MODEL	VOLTAGE	POWER	MAX. COMPRESSED AIR CONSUMPTION AT 7 BAR	FALLING TIME REGENERATED ABRASIVE	WEIGHT	LENGTH	WIDTH	HEIGHT
47022010	CP24 MC	220 V.	1300 W	850/1200 L/min.	20-30 sec.	83 Kg.	mm. 530	mm. 500	mm. 1700

RACCOMANDED ABRASIVE	MAX. WORKING DISTANCE	ADVISED WORKING PRESSURE	SANDBLASTED SURFACE	SANDBLASTING CYCLE
ALLUM. OXIDE MESH 46÷80	8 m.	4÷6 BAR	35÷40 mm.	25÷30 min.
GLASS MICROSPHERES 150/250÷400/800	4 m.	4÷6 BAR		
METAL GRIT 0,3 ÷ 0,7		6÷7 BAR		

EXAMPLES of VACUUM SANDBLASTING APPLICATIONS



Sandblasting of cylinders in continuation to mechanical processing on lathe. For this type of application it is possible to automate the sandblasting cycle by blocking the brush head in proximity of the revolving turret.



Cleaning and execution of written and decorum on marble, glass, crystal, wood, steel, ABS etc., surfaces.



Execution of located cleaning and polishing operations on welds and stainless manufactures.