

# Surface INTERNATIONAL



Automatic Abrasive Blasting & Peening (Air / Airless) Systems, Dust Collector and Blast Room

## FIVE BASIC MODELS



SP7-151

SP7-301R

SP7-501R

SP7-1001R

SP7-2001-SPL  
(DUAL OUTLET M/c)



CONTRACTOR MODEL

### TECHNICAL SPECIFICATIONS

Model	SP7-151	SP7-301R	SP7-501R	SP7-1001R
<b>Abrasive Capacity</b>				
Metallic (Kg.)	150	300	500	1000
Sand (Kg.)	65	130	230	460
Volume (Ltrs)	42	85	142	284
<b>Overall Dimensions approx.</b>				
Height (mm)	1110	1170	1370	1610
Diameter (mm)	360	460	615	760
Weight (Kg.)	95	140	190	245
<b>Blast Nozzle Tungsten Carbide lined</b>				
Orifice (mm) (standard size)	5	6	8	10
<b>Blast Hose ID (mm)</b>	19	19	25	32
<b>Blast Hose Length (mtr)</b>	5	5	10	10
<b>Recommended Air Hose ID (mm)</b>	19	19	25	32
<b>Approx. Cleaning Rate (sq.Mtr/hour)</b>	3 - 4	5 - 9	11 - 15	15 - 19
<b>Compressed Air Requirement (cfm)</b>	45	85	135	250
<b>Recommended Abrasive size (BS Mesh)</b>	25 - 80	25 - 80	16 - 80	16 - 80

**PORTABLE ABRASIVE BLASTER; SP-7**  
For Industrial Cleaning & Finishing Operations

## SOME PLUS POINTS ....

### 1. AUTOMATIC FILLING VALVE

The machine is provided with automatic mushroom valve (filling valve) for quick refilling of abrasives.

### 2. TUNGSTEN CARBIDE VENTURI NOZZLE

The long series convergent-divergent tungsten carbide lined blasting nozzle ensures high velocity, evenly distributed blast pattern & higher blasting output and provides lower wear, longer life and greater resistance against breakage.

### 3. BLAST HOSE

The blast hose is highly abrasion resistant with improved mixing valve outlet for longer life, high flexibility with lower bend radius and light weight and electrically antistatic for safe operation.

### 4. ABRASIVE CONTROL VALVE

The machine is fitted with pinch valve with hand wheel to control the abrasive flow through blast nozzle.

### 5. ABRASIVE SIEVING

A wire screen is fitted with pneumatic vibrator to sieve abrasives to avoid blast line choking.

### 6. ABRASIVE TANK CONSTRUCTION

Abrasive tank is fabricated from tested quality steel plate in accordance with IS-2825 and hydraulically tested at 250 psi.

### 7. AUTOMATIC EXHAUST VALVE

It vents outlet air and thereby machine is depressurized instantly. Valve opens automatically with stop of air supply to machine and vice-versa.

### 8. AIR FILTER & PRESSURE GAUGE

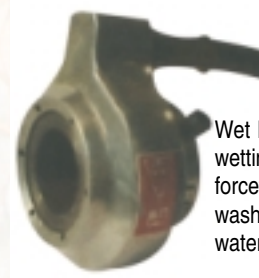
An online air filter and pressure gauge is provided.

### 9. BALL VALVE

The machine is fitted with ball valve having stainless steel ball (an anti-corrosive material) to ensure full airflow without pressure loss.

## OPTIONS AVAILABLE ON REQUEST

### WET HEAD



Wet Head is recommended for economical dust free wet blast cleaning with use of SP7 type blasting machine on jobs such as cleaning structures of stones, brick, concrete, monuments etc.

Wet Head is attached to the blast nozzle to provide wetting of dry air abrasive stream with water prior to its forceful discharge from the wet head. It also serves to wash off finished surfaces with clean pressurised air water stream after shutting off the abrasive supply.

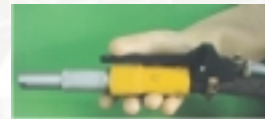
### INTERNAL PIPE CLEANING TOOLS



Internal pipe cleaning tools can clean the inside surface of pipes of diameter 51 mm to 914 mm and length upto 12m. It cleans completely around 360 degree interior of pipe. Removes stubborn rust,

carbon, scale, old paint etc. Internal pipe cleaning tools operate with any high capacity pressure blasting machine.

### REMOTE CONTROL SYSTEM



It places complete on/off control of machine in the hand of operator at blast nozzle. It saves

abrasive and air consumption when operator changes position or performs spot blasting and provides added safety to operator and other personnel in the area. Machine fitted with Remote

Control System is designated with suffix 'R' such as 'SP7-301R', SP7-1001R' and so on.

## OPERATOR SAFETY WEARS

### AIRFED BLASTER'S HELMET :

Rubberised FRP helmet provides the operator's head protection from safety crash and impact of abrasive and still allows a clear view through easily replaceable lens. It provides breathing air to operator to protect him from dust inhalation.

### HELMET HOSE :

It channels the purified and cool air supply for breathing to operator during blasting operation.

### HELMET AIR CONDITIONER :

It provides cool air to helmet to ensure comfortable environment to operator. The temperature is regulated by adjusting control valve fitted on it.

### AIR BREATHER :

It consists of a disposable activated charcoal cartridge filter unit which purifies the incoming air supply to helmet from moisture, oil and dust contaminants. Thus clean air is fed to operator for breathing.

### GUM BOOT :

A pair of gum boot provide safety to operator's feet & ensures compliance to industrial safety regulation.

### HAND GLOVES :

A pair of Hand Gloves provides safety to operator's hands and ensures compliance to industrial safety regulation.

### OPERATOR'S SUIT :

A cotton fabric suit provides safety to operator's body against impact of flying abrasives and dust.

# Surface INTERNATIONAL

46, Digvijay Nagar, Kheme Ka Kuan, Pal Road, Jodhpur - 342005 India

Tel / Fax : +91 291 2721778 / 779 / 904, +919413329749

Email : [info@surfaceint.com](mailto:info@surfaceint.com) Web : [www.surfaceint.com](http://www.surfaceint.com)

