

# AIRLESS BLASTING MACHINE



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# AIRLESS BLASTING MACHINE

**“Airless Blasting is our Profession ,  
just let us know what you need”**

- Compact Design
- User friendly
- Easy to maintenance
- Health care working principle
- Reliable and Robust

Nowadays, renovating firms use generally air-sanding machines and quartz sands; this is causing damages to the human health during cleaning process. Eg Makina has produced the Chz-7004 MAX airless blasting machine with combined technologies to minimize damages on human health and to reduce the personnel/labour workforce losses by automatic use. Thanks to the metal parts used as cleaning material in the 7004 MAX airless blasting machine, maximum success and results were achieved in the cleaning process.

## AIRLESS BLASTING MACHINE

**\*Purpose of Use:** The system is designed to remove paint oxidation (rust), tiny burr, residues from the mill skin due to casting and pressing, clean internally and externally without causing any damage etc.

**\*Useful and Suitable for:** Repair workshops (you can remove the machine in your workshop where you need, you need just to have the right electricity connection), mechanical repair centers, surface treatment work-shops, restores maintenance workshops, garages, turbo repair centers etc.

**\*Compact:** The most important point is that all related businesses which needs such a blasting operation must invest for large and separate working area to organise such a part cleaning/blasting operation. This system thanks to its compact design and working principle allows the users to process their materials in their existing workshops, without investing for an other working place and labour force which will cause directly high operation costs.

**\*Userfriendly and Simplicity:** The system is very easy to operate; after you open the machine and drum, you need just to load (max. 2/3 of the drum content) drum and close carefully drum and machine. Last think you need to do is set time clock and push on the start button. Machine will do remain part for you and you can take care on other issues.

**\*Healthcare working principle:** The machine working principle is based on protecting health of the people who are involved in cleaning/blasting process and to supply the people with clean air who are breath the air circulating in working area. The machine have two built-in filters which cleans the air before it is sucked out from the machine. The filters separate the dust and leave the clean air which will be sucked out; and filters will be cleaned by a vibration motor after the machine stop operation and dust will be collected in a dust container which is placed under the filters.

Ofcourse low noise level is an other advantage which will not effect the labours when they do their jobs in work shop.

**\*Electricity/Energy Saving:** The system allows the user to save also electricity consumption; because you can clean/blast many parts in one time with very less energy. Also you will not need additional electricity consumption for air connection or any other connection to finisch your process.

**\*Safety:** You can see easily **“safety first”** principle on our machine. The machine opening door is supported with two strong closing locks and safety switches which will stop the machine if someone tries to open the machine door when it is processing the materials. On the other hand you have on the machine a separate emergency stop which you can use directly by pushing if there is any need.

**\*Blasting Time:** The required time is directly related with the condition of the parts you will process and nature of the pollution. You have to find out the correct time Schedule which you will need by stoping the machine, take a look on your parts is it cleaned enough and if not then set additional time that the machine can continue to process the parts.

**\*Blasting Agents:** Steelshot, Graninox

**\*Drum and Blasting Chamber:** Made of special tested material for reasonable use.

**\*Rotor:** Constructed of tested material and supported with interchangeable blades.

MODEL	CHZ – 7003	CHZ – 7003MAX	CHZ – 7004MAX
<b>External Dimensions</b>			
Length (cm)	120	122	181
Depth (cm)	70	98	80
Height (cm)	125	125	185
<b>Drum</b>	1	1	1
Length (cm)	58	58	125
Diameter (cm)	Ø 32	Ø 60	Ø 60
Max.weight of load	100 kg.	120 kg.	250 kg.
Rotation Speed of the Drum	5 rpm	5 rpm	3 rpm
Rotation Speed of the Blasting Rotor	3000 rpm	3000 rpm	3000 rpm
Capacity of suction Fan	280 watt	280 watt	280 watt x 2
Operation Voltage	Three-phase 380 V or 220 V	Three-phase 380 V or 220 V	Three-phase 380 V or 220 V



## CHZ 7003 AIRLESS BLASTING MACHINE

### TECHNICAL FEATURES ;

#### Chz-7003

Operation Voltage : Three-phase 380 V or 220 V

Engine : 3,0 kW

Consumable Material : Metal balls

Consumable Material Chamber : max.25 kg.

Grid Drum : 2 pc. Standard

- Drum 1 dimensions : L 58 cm , Ø 32 cm

- Drum 2 dimensions : L 58 cm , Ø 32 cm

Filter : Double filter in line

Emergency Stop : Standard

Safety Door Switch : Standard

Safety Door Locking : Standard

Machine Dimensions : ( L ) 120 cm x ( W ) 70 cm x ( H ) 125 cm

Machine Weight : 300 kg.



BEFORE



AFTER



BEFORE



AFTER





## CHZ 7003 MAX AIRLESS BLASTING MACHINE

### TECHNICAL FEATURES ;

#### Chz 7003 MAX

Operation Voltage : Three-phase 380 V or 220 V

Engine : 3,0 kW

Consumable Material : Metal balls

Consumable Material Chamber : max.25 kg.

Grid Drum : 2 pc. Standard

- Drum dimensions : L 58 cm , Ø 60 cm

- Spare Drum : L 58 cm , Ø 60 cm

Filter : Double filter in line

Emergency Stop : Standard

Safety Door Switch : Standard

Safety Door Locking : Standard

Machine Dimensions : ( L ) 122 cm x ( W ) 98 cm x ( H ) 125 cm

Machine Weight : 460 kg.



BEFORE



AFTER



BEFORE



AFTER





## CHZ 7004 MAX AIRLESS BLASTING MACHINE

### TECHNICAL FEATURES ;

#### Chz 7004 MAX

Operation Voltage: Three-phase 380 V or 220 V

Engine: 3,0 kW x2

Consumable Material: Stainless steel or Metal balls

Consumable Material Chamber: max. 85 kg.

Grid Drum: This drum can be a standard grid drum or produced according to customer expectation and need for any special application; based on below mentioned dimensions .

Drum Dimensions: L 125 cm , Ø 60 cm

Filter: There are 4 vertically placed filter which are mounted in a separate cabinet and connected to the machine air discharge with a rubber hose.

Emergency Stop: Standard

Safety Door Switch: Standard

Safety Door Locking: Standard

Machine Dimensions: (L) 181 cm x (W) 80 cm x (H) 185 cm

Machine Weight: 850 kg.



BEFORE



AFTER





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