

## Automatic sandblasting system



Automatic sandblasting system: automatic sandblasting table AUTOBLASTER CNC with sandblaster SANDBLASTER PRO as a set has been designed for fully automatic sandblasting of inscriptions and artwork on stone slabs (e.g. tombstones) and glass surfaces with an electrically controlled sandblaster. The machine does not require the operator to have any special knowledge or skills, its job being limited to marking working fields and defining parameters in the included software. The technological solutions applied in the machine enable, for instance, sandblasting on multiple marked areas without the need to change the settings. One of the definite advantages is that sandblasting can be done on non-level surfaces.

The included software makes the use of the machine easy and ergonomic. Once programmed, the unit does not need any additional operator intervention. All machining parameters and the settings of the machine itself are displayed using the included software.

When combined with a suitable sandblaster, AUTOBLASTER CNC automatically controls the filter cleaning system and the level of backfilled abrasive. As a result, all the operator need to do is refill the material and remove the dust.

Automatic cleaning of the guides ensures a longer lifetime and reliable operation.

It goes without saying, that the most important advantage of the AUTOBLASTER CNC sandblasting table is the excellent price-performance ratio it offers. According to users, the system replaces the work of one person, which means that you can use this time effectively for other work, such as designing another tombstone.

# Autoblaster CNC + SM Pro



## Advantages

- High efficiency; the average sandblasting time for one traditional tombstone is 10-15 minutes.
- Automatic monitoring of the entire sandblasting process.
- For the CNC version, the machine is controlled via a laptop (not included) and works with Windows XP, Windows 11 system.
- For the CNC/PLC version, the machine is controlled via a Siemens HMI PLC touch panel (with a remote control included).
- Option to define sandblasting fields on the computer while designing inscriptions and artwork and send them to the machine via the internal computer network.
- Automatic table starting and stopping.
- Z-axis numerical control allows sandblasting of non-level surfaces.
- Multi-area sandblasting option, with a possibility to design of up to 100 working fields.
- Repetition of previously saved operations.
- Automatic cleaning of the guides from dust.
- High manoeuvring speed, up to 10 cm/s.
- The sandblaster comes with an abrasive level sensor.
- In 99% of cases, diagnostics and service are done remotely (with operator assistance). The sandblasting table is adaptable to any dustless sandblaster with certain parameters.
- Thanks to the modular design, upgrades, such as from automatic sandblasting to manual sandblasting, can be done by the operator.
- No specialised skills are required from the operator. After a training course that takes just two hours, anyone can operate the machine.
- Machine (sandblasting machine) indicator lights: sandblasting (green light), end of sandblasting (yellow light), failure (red light).
- Advanced engineering solutions, such as an abrasive metering valve.
- Triple automatic abrasive filtration system.
- Pneumatic filter shaking system.
- Cyclonic dust separation and filtration system.
- Electro-pneumatic control system.
- A decompression system that reduces tank pressure in seconds.

## Technical parameters:

- Power supply: 220–250 V / 50 Hz, USA: 110–120 V / 60 Hz
- Autoblaster sandblasting table power: 500 W
- Standard working area: 1200 mm × 1200 mm
- PLC version: Siemens Simatic
- CNC version: laptop operating system: Windows XP, Windows 7
- Sandblasting head speed: < 10 cm/s
- Sandblasting: requires an electrically controlled sandblaster to be connected
- Air demand for the sandblaster: 1000–1200 l/min
- Sandblaster power: 2400 W
- Operating pressure: 2.5–3.5 bar
- Maximum pressure: 10 bar
- Amount of circulating abrasive: 50 kg
- Volume of the running motor: 76 dB
- Average noise level: 83.6 dB
- Nozzle diameter: 4–6 mm
- Recommended abrasive granulation for stone: 36 to 100

## Dimensions and weight:

### Autoblaster automatic sandblasting table

- Size: W 1890 mm × D 1910 mm × H 2070 mm
- Weight: 330 kg
- Working size with a service field (+ 300 mm): W 2190 mm × D 2210 mm × H 2370 mm
- Shipment size (2 pallets): W 1200 mm × D 1600 mm × H 1520 mm
- Parcel size (2 pallets): 390 kg

### Sandmaster Pro sandblaster

- Size: W 790 mm × D 1120 mm × H 1550 mm
- Weight: 220 kg
- Required machine workspace (+ 300 mm): W 1090 mm × D 1420 mm × H 1850 mm
- Shipment size (pallet): W 1200 mm × D 800 mm × H 1800 mm
- Parcel shipment size (pallet): 250 kg

### Sandmaster Elite sandblaster

- Size: W 1070 mm × D 1530 mm × H 2100 mm
- Weight: 450 kg
- Required machine workspace (+ 300 mm): W 1070 mm × D 1530 mm × H 2100 mm
- Shipment size (pallet): W 1200 mm × D 800 mm × H 2200 mm
- Parcel shipment size (pallet): 475 kg

### Set: Autoblaster + Sandmaster Pro

- Size: W 3100 mm × D 2000 mm × H 2070 mm
- Weight: 550 kg
- Working size with a service field (+ 300 mm): W 3400 mm × D 2300 mm × H 2370 mm
- Shipment size (box): W 1800 mm × D 1800 mm × H 1800 mm
- Shipment weight (box): 770 kg

### Set: Autoblaster + Sandmaster Elite

- Size: W 3500 mm × D 2000 mm × H 2150 mm
- Weight: 780 kg
- Working size with a service field (+ 300 mm): W 3800 mm × D 2300 mm × H 2450 mm
- Shipment size (box): W 1800 mm × D 1800 mm × H 1800 mm
- Shipment weight (box): 1000 kg

For sea transport, Autoblaster CNC is packed in a 1800 mm × 1800 mm × 1800 mm box. The site where boxes are delivered by road transport must allow unloading with a forklift. A box is too large to be unloaded by a loading lift.