

**PNEUMATIC CRUSHER
FOR PAPER AND CANS**

OPERATING AND MAINTENANCE INSTRUCTIONS

SPECIFICATIONS

WORKING PRESSURE	5-8 bar
MAXIMUM PRESSURE	10 bar
PRESSURE FORCE AT 8 BAR	1606 N
WEIGHT	125 kg
CRUSH CHAMBER DIMENSIONS (WxDxH)	450x450x1000
MACHINE EXTERNAL DIMENSIONS (WxDxH)	500x500x1850
BUILT-IN WORKING DIMENSIONS (WxDxH)	800x1300x1850

GENERAL SPECIFICATION AND INTENDED USE

The pneumatic crusher for paper and cans is an all-purpose machine designed in particular for the lacquering enterprises.

The crusher's major task is to reduce the volume of technological materials used in the lacquering industry, including:

- paper waste generated after the masking of the lacquered car;
- metal waste containers for lacquers, solvents, and plastic compounds (an extra "stool" for crushing of 5-litre cans).

HOW TO OPERATE THE MACHINE

As soon as the press is activated, the waste placed inside the crushing chamber will be subject to crushing with a piston driven by the pneumatic cylinder.

Before throwing in the first batch of paper waste, it is necessary to pull the packing string through the holes in the back wall of the crushing chamber, then place it on the bottom of the chamber and fix it to the hooks in bottom pivoting doors. This will be helpful while removing the pressed paper bale from the crushing chamber.

Then, continue to fill the crushing chamber through the upper feed door. Close the feed door as soon as the thrown in waste reaches the level of the upper edge of the bottom pivoting doors, and then activate the crushing process by turning the control valve to the left (away from operator). When the press piston reaches its maximum bottom position determined by the resistance of the crushed waste, withdraw it to its initial (upper) position by turning the control valve to the right (towards operator).

ATTENTION!

NEVER open the crusher door while the piston is moving!

Repeat the described operation until the crushing chamber is completely filled.

THEN PROCEED AS FOLLOWS:

- Open the feed door.
- Wrap the waste bale formed in the crushing chamber with the packing string.
- Release the lock catches and open the bottom pivoting door.
- Pull out the waste paper bale wrapped with string.
- Close and secure the bottom pivoting door.

PROCEED AS FOLLOWS TO CRUSH CANS:

- Lower the bottom pivoting door.
- Put a special adapter in the crushing chamber, that is a steel stool, which constitutes a crushing machine accessory.
- Secure the bottom pivoting door.
- Place the crushed can in the central point of the stool.
- Close the feed door.
- Activate the control valve as described in the waste paper crushing procedure.
- Turn the control valve to the right after ca. 10 – 15 seconds. As a result, the crusher piston will be lifted.
- Remove the pressed can from the crushing chamber.

ATTENTION!

Although the crusher piston is provided with steel sections for the preliminary deformation of a can, we suggest preliminarily deforming the side of the can to be crushed in case it is made of thick sheet or metal plate.

SAFETY RULES

The crusher is equipped with a roller valve designed to activate the machine control system **ONLY** when the feed door is closed.

Under no circumstances activate the crusher when the feed door is open. Never block the roller safety valve.

Moreover, never do the following:

- Crush closed cans.
- Crush full packages and containers.
- Crush glass packaging and/or glass elements.
- Place any aerosol containers in the crushing chamber, which are still under pressure.
- Place any objects over the press piston.

MAINTENANCE

Basic maintenance operations involve:

- Care to maintain the cleanliness of the crushing chamber, by removing any possible dirt left after the crushing of lacquer or plastic compound cans.
- Checking (every month) the screw joint between the piston rod of the cylinder and the crusher piston.
- Checking the proper functioning of the roller safety valve (once every week), by attempting to activate the crusher with the feed door open.
- Checking if the pneumatic connections are leakproof.

INSTALLATION

The crusher should be set on an even, dry and level ground. When selecting the location of the installation of the crusher, it is necessary to take into account the building-in area, including space for the loading and unloading of the crushing chamber. Considering the position of both the control valve and connecting stub pipe, it is required to keep a minimum of 300 mm free space from the left wall of the crushing chamber.

WARRANTY TERMS AND CONDITIONS

1. NTS Sp. z o.o. [Ltd.] guarantees the highest quality and correct working of the machine operated in compliance with its operating instructions.
2. The Buyer obtains a 12-month warranty starting from machine purchase date. This period will be extended by the number of days the machine is kept in the warranty repair service.
3. Machine defects revealed during the warranty period will be removed as soon as possible, however within no more than 14 days. The repair period starts from the day the damaged machine is delivered to the warranty repair centre.
4. The warranty does not cover the following:
 - a) mechanical damage caused by operation inconsistent with the enclosed operating instructions,
 - b) any damage caused by operation inconsistent with the enclosed operating instructions,
 - c) damage being the consequence of repairs carried out in any place other than warranty repair centre,
 - d) operation actions specified in the operating instructions.

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