

Maintenance Advice and Procedures

PS3500

The amount of use and the working environment should be taken into consideration when planning the frequency of maintenance of the PS equipment. Careful use and preventive maintenance will help to ensure trouble-free operation.

Cleaning of the dust filter

The cleaning of the machine's dust filter should be performed at regular intervals, the regularity of which is dependent upon the machine's working environment.

THE CLEANING IS RECOMMENDED TO BE DONE AT LEAST ONCE EVERY 3 MONTHS IF THE MACHINE IS IN CONSTANT USE.

ISOLATE THE MACHINE FROM THE MAINS SUPPLY AND WAIT AT LEAST 2 MINUTES BEFORE REMOVING THE MACHINES FRONT GRATE COVER.

WHEN THE DUST FILTER IS REMOVED, LIVE PARTS ARE EXPOSED, THESE ARE LINE AC AND HIGH VOLTAGE DC.

The maintenance is performed as follows:

- Remove the front grate of the machine (2 screws).
- Remove the fastening screws holding the dust filter (2 screws), which also ensure earth continuity to the machine frame
- Wash the filter carefully with water and if necessary a detergent based degreasing solvent can be added e.g. dishwashing liquid. DO NOT USE INFLAMMABLE LIQUIDS. Check the condition of the filter. If for example the aluminum filler material has come out from it's support frame, or it is damaged in any other way, it has to be replaced with a new one.
- A DAMAGED FILTER CAN CAUSE A SHORT CIRCUIT WITHIN THE MACHINE AND SERIOUS DAMAGE MAY RESULT.
- Refasten the dry filter in place with the earthing screws. THE SCREWS HAVE TO BE FITTED WITH LOCKING WASHERS.
- Refasten the front grate to the machine

Regular maintenance

The major points in the maintenance procedure are listed as follows:

- Cleaning of the machine
- Maintenance of the dust filter
- Checking of the connectors
- Checking of the switches and potentiometer
- Checking of the condition and mounting of the mains cable and plug
- Checking and tightening of the connections inside the machine continuity to the machine frame.
- Damaged or suspect parts are replaced by new ones
- Maintenance testing. Operation and performance values of the machine are checked, and adjusted when necessary by means of test equipment