12 - CLEANING AND MAINTENANCE

12.1 - INTRODUCTION

ATTENTION
THE MAINTENANCE OPERATIONS DESCRIBED IN THE PRESENT BOOKLET MUST BE EXECUTED ONLY BY APPOINTED TECHNICAL PERSONNEL, CITED BEFORE THE DESCRIPTION OF THE SPECIFIC OPERATION

NOTE *By the title "QUALIFIED TECHNICIAN" is intended the people appointed by the user company (buyer) to execute the maintenance operations.*

The machines built by the company BROSIOMECCANICA have beed designed and built with the specific target of making the maintenance operations as much simple and fast as possible.

The attentive observance of the maintenance operations described in this chapter, guarantees the good performances of the machine and its long lasting, avoiding expensive repairs.

IMPORTANT
In case of irregular or wrong working of any machine component, check first of all that, during its use, all instructions described in the previous paragraphs have been observed.

The maintenance operations must be immediately executed after the first anomaly symptoms, in order to avoid a worsening of the problem and the damaging of other components.

In this section are described the operations to be carried out in order to execute a correct machine servicing.

IMPORTANT
- The attentive observance of these rules, guarantees a longer machine duration and better working performances, reducing to minimum the possibility of faults.
- All maintenance operations must be carried out with machine stopped and with main switch "OFF".
- MAKE SURE THAT THE SUPPLY LINE SWITCH UPSTRAEAM THE MACHINE IS OPEN

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12.2 - MAINTENANCE

The maintenance operations have been divided in three categories :

d **preventive maintenance:**
It includes all operations that must be executed on the machine in order to avoid possible problems.

e **cyclic maintenance**
It lists all operations that must be executed at fix terms in order to guarantee the correct machine working

f **corrective manintenance or upon fault**
It includes all exceptional operations that must be executed in order to continue working.

12.2.1 - prevemtove maintenance operations

During the working sequences , check that the sonotrodes are correctly welding (with correct positioning and proper pression). If not, stop the machine and proceed to the proper adjusting.

12.2.2 - cyclic maintenance operations

ATTENTION
BEFORE EXECUTING ANY CLEANING OR MAINTENANCE OPERATIONS, STOP THE MACHINE, SWITCH MAIN SWITCH "OFF" (BOTH MAIN SWITCH LOCATED ON THE ELECTRIC CABINET DOOR AND UPSTREAM SUPPLY LINE SWITCH) AND DISCONNECT THE COMPRESSED AIR SUPPLY.

NOTE *The personnel of BROSIOMECCANICA company can anyway carry out further checks and operations not described in this booklet but that, in its experience, have to be execured in particular working conditions.*

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TABLE 8 - cyclic maintenance operations

mainten operation	operation description	enabled people
8 hours	**General machine cleaning**	Operator
40 hours	**Barrier photocell cleaning (use a dry cloth and suction the residual dust from the fabric)** *Do not use abrasive products or materials* *Do not use flammable products*	Operator
160 hours	**Eventual drain of condensate water from compressed-air filter-reducer group and oil level check**	Operator
500 hours	**Supports lubrication**	Operator
500 hours	**Gear-racks, gears and chains lubrication (use sylicon spray lubricant)**	Operator
1000 hours	**Electromechanic components check**	Qualif. technician
1000 hours	**Pneumatic components check**	Qualif. technician

12.2.3 - exceptional maintenance operations

IMPORTANT

Exceptional maintenance operations, as the replacement of one or more actuating cylinders and of the sonotrodes, must be executed directly by qualified technical personnel, entitled to operate on the machine by BROSIOMECCANICA Co.

For any fault, please, call the manufacturing company.

Operations directly executed by the customer, relieve BROSIOMECCANICA company from eventual damages to the machine or to poeple and goods.

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