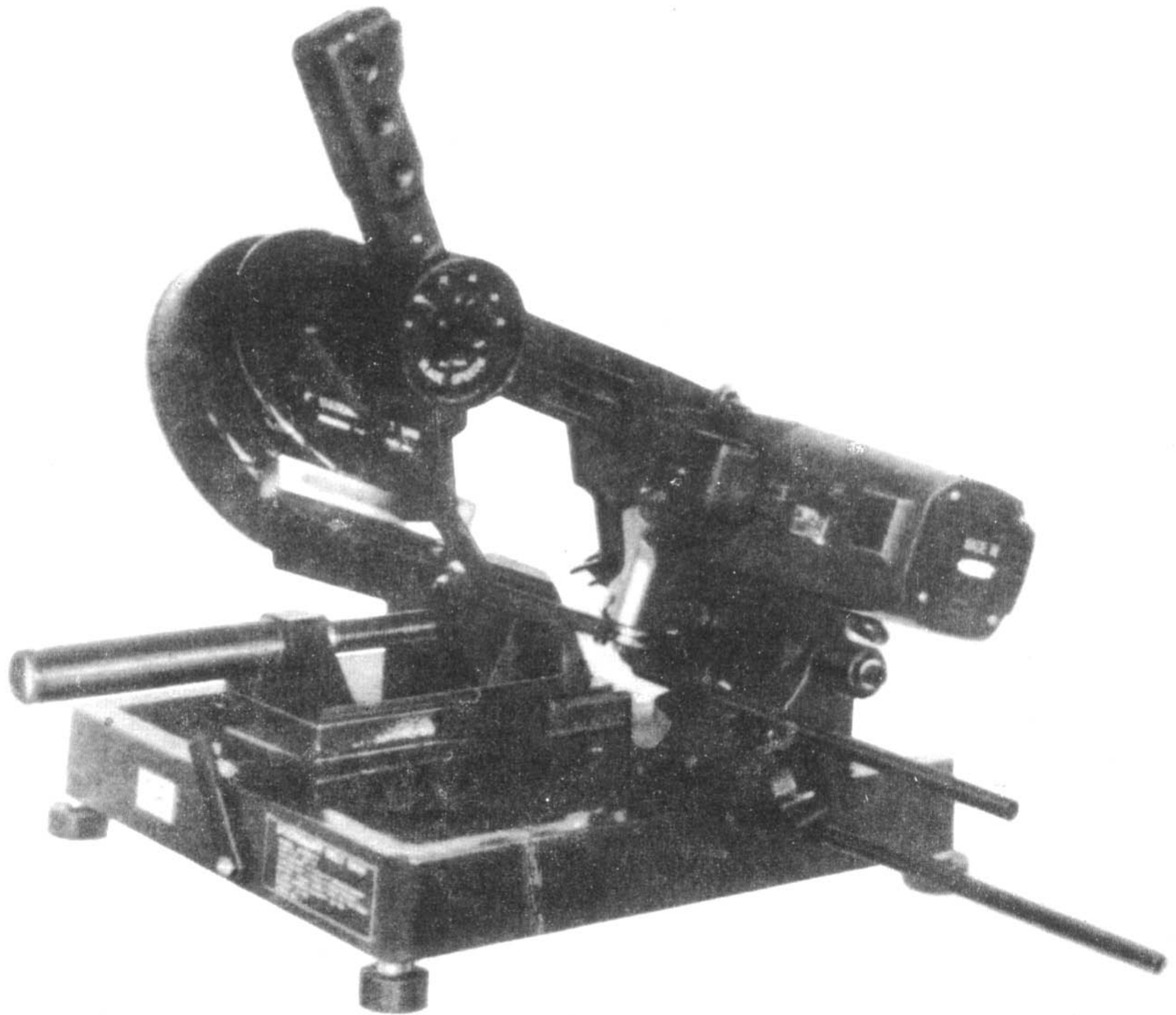


# **STATIONARY BELT SAW.**

**Instruction manual and spare parts**



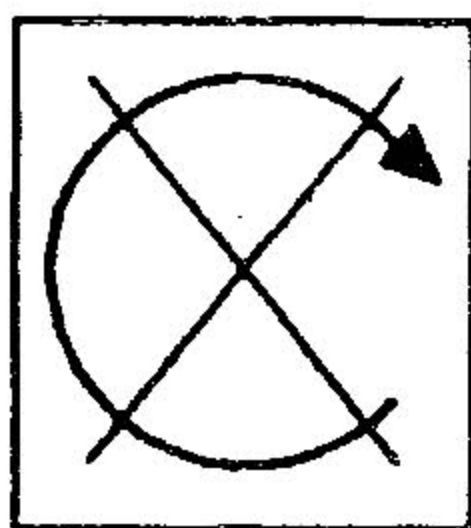
**MODEL : G5010**

• For easy consultation of this manual, we recommend keeping the front of the covers open.

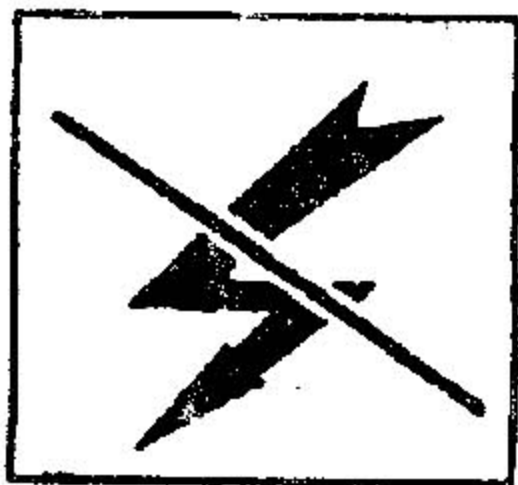
• The symbols used in this manual must be paid the utmost attention.



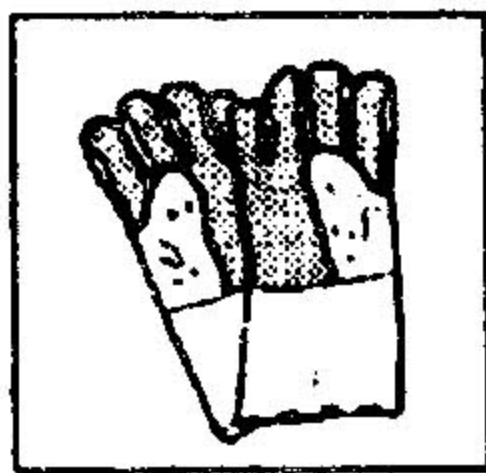
CAUTION



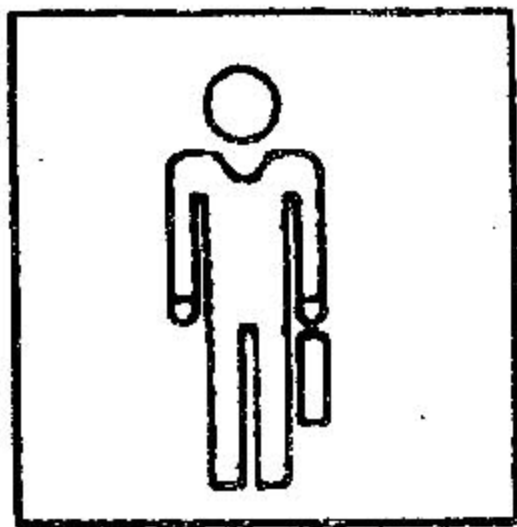
Machine stopped



Turn off power



Wear type – tested gloves



Specialized personnel



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# 1. INTRODUCTION TO THE MANUAL

- The purpose of this manual is to provide the necessary information for competent, safe use of the equipment.

- This information is the result of continuous, systematic data processing and technical tests recorded and validated by the manufacturer, in accordance with the internal procedures to ensure the safety and quality of information: EN89/392, EN60204 – 1, CEI 110 – 8, IEC 801, EN 202 – 2, EN 418, prEN 1050, prEN 614 – 1.

- The information below is intended **EXCLUSIVELY** for specialized users, capable of interacting with the product with the utmost safety for people, the machine and the environment, interpreting basic diagnostics of problems and malfunctions and performing simple checks and maintenance, in full compliance with the instructions given in the pages that follow and with current health and safety regulations.

- The document does not examine in depth the topics of disassembly and extraordinary maintenance, as these operations must always be carried out solely by our authorized Technical Service.

- For a proper relationship with the product, it is essential to ensure that the manual remains legible and well – preserved, also for future reference. Should it deteriorate or, more simply, for further technical and operating information, contact the nearest Authorized Retailer directly.

- Before each intervention to the machine or its packaging, read the instructions in the following manual very carefully.

- If the machine is used by more than one operator, each one must adhere to the following instructions.

- The Manufacturer declines any responsibility for damage to persons, things or to the machine itself arising from its incorrect use, negligence and superficial interpretations of safety concepts contained in this manual.

- This instructions manual should serve for the duration of the machines operating “life” and be available for at least 10 (ten) years; it is advisable to keep it in a known and accessible place (possibly together with the other manuals relating to the machine).

## 2. GENERAL PRECAUTIONS

- Always make sure in advance that the minimum safety, placement and operating standards are respected, taking note of the environmental conditions, temperature, humidity, lighting, vibrations, suspended dust and the appropriateness of the area to be occupied.

- The saw may operate outdoors (work sites, open spaces in general, etc.) or indoors (workshops, laboratories, etc.) where there is no risk of explosion or fire.

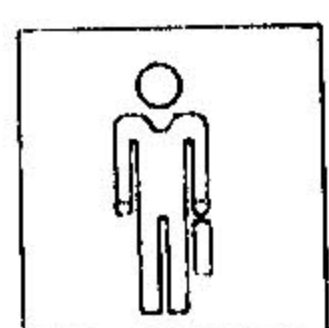
- Before using the equipment, make sure that the surface where the machine will be placed is flat, sufficiently sturdy and ergonomical; we recommend using a workbench for this reason.

- Always make sure in advance that the



workpiece is tightly clamped; in any case, make sure that the start of the production cycle does not create hazardous situations for people and/or property.

- Do not remove or damage the information plates on the machine; you must recognize their meaning and keep the message legible. Should they deteriorate, replace immediately, contacting only an authorized Technical Service directly.
- The use of spares that do not respond to the specifications listed below, changes or tampering – however slight – shall exempt the manufacturer from any responsibility regarding the proper use, functioning and safety of people and/or property.
- It is strictly forbidden to tamper with safety equipment and/or devices.
- Dispose of processing waste in compliance with current regulations.



Any maintenance operations, except for those specifically described in the pages of this manual, must be carried out by skilled personnel co-ordinated directly by the authorized Technical Service.

### 3. EQUIPMENT

The stationary belt saw is supplied ready to use, packed in a cardboard box and protected by a sheet of cardboard.



The packing material must be disposed of according to current environmental protection regulations.

The machine is supplied initially with:

- instruction manual
- warranty certificate.

### 3.1 WARRANTY

The machine is guaranteed for six months following the date of purchase; the warranty is valid only if all of the instructions listed on the warranty certificate and in this manual are fully complied with.



When unpacking the machine, make sure the machine is in perfect condition and that the package contains the parts described; the Manufacturer shall not be responsible for errors or missing parts following five days after shipment.

### 3.2 NOTE

- The belt saw has been designed, manufactured and protected for bench use, where it is necessary to cut all types of metal parts having a maximum diameter or thickness of 105mm.
- Any other use is excluded by the Manufacturer, who shall be exempt from any liability for damage to people, animals, property or the machine itself caused by improper use.

• Do not run the machine without a piece to be cut for long periods.

• Do not cut “hardened” or “cemented” steel parts.

## 4. MACHINE

### 4.1 IDENTIFICATION

The essential information for identifying the



the product. This essentially includes:

- A)Manufacturer
- B)Serial number
- C)Model
- D)Year of manufacture
- E)Voltage (V)
- F)Power(kW)
- G)Hertz(Hz)
- H)Amperes(A)
- I)Weight (kg)

The EC approval plate is located as shown in fig. 2 ref. A.



It is strictly forbidden to remove or damage the plates; should this occur, always contact an authorized Technical Service only.

For any information and/or technical explanations regarding the machine, always indicate:

- model
- serial number
- edition and preparation date of the instruction manual.

4.2 DESCRIPTION

- Portable band saw consisting of a fixed bench, pivoting head with screw lock for angle sawing, speed regulator, piece clamp and operator tool.
- The machine may be used for dry cutting (from 0° to 45° left) of materials compatible with the specifications listed below, in full respect of the environmental conditions and limitations recommended by the manufacture and current health and safety regulations.



The description includes the use for which the product has been designed, built and protected; any other use or failure to comply with the technical parameters listed below may constitute a hazard to people and/or property.

4.3 COMPONENTS

No.	Description
1	Base
2	Safety /shipment
3	Clamp crank
4	Piece clamp
5	Machine body
6	Saw tension lever
7	Grip
8	On/Off switch
9	Cutting speed regulator
10	Blade guide lock lever
11	Blade guide
12	Belt saw
13	Electric motor
14	90° rotation unit
15	Power cord
16	Piece holder

4.4 TECHNICAL FIGURES

Description	
Dimensions (PxLxH)	620x530x580mm
Belt saw	1140x13x0.65mm
Single – phase elect. motor	1500W 220V – 5A – 50Hz
Insulation class	2
Speed(continuous)	20 ÷ 70m/min
Cutting depth	105mm(max)
Weight	20Kg



90°	
Ø100mm	100x105mm

45°	
Ø55mm	55x60mm

## 4.5 TECHNICAL SPECIFICATIONS

- Blade drive pulleys, on bearings
- Transmission, treated, tempered steel gears
- Switch with safety device
- Steel clamp
- Automatic blade stretcher
- Cutting capacity, profiled material

## 4.6 LIFTING AND MOVING

The saw may be lifted, carried and moved by hand in compliance with the instructions below:

- Fasten the blade arm in its end position using the mechanical lock provided (fig. 2 ref. 2);
- Make sure it is properly fastened and grasp the center of the arm (fig. 2B), lifting carefully.



The machine must be lifted and carried only when free of materials, always making sure in advance that it is disconnected from all power sources. In any case, always comply with current health and safety regulations.

## 5. START – UP

## 5.1 PRELIMINARY STEPS



It is essential to determine size measurements and placement in advance in order to ensure safe placement, running, emergency actions within the surrounding environment. These conditions should be respected beginning with the preliminary stages, before cutting begins.

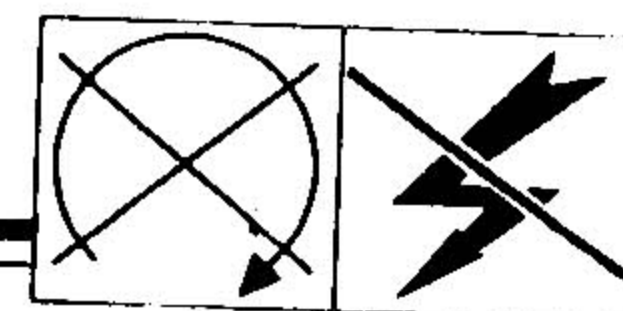
- Rest the machine on a bench of adequate size and sturdiness (four threaded holes are provided under the base so that the machine may be fastened securely in place).
- Move the safety lever(2).
- Lift the machine using the grip; in this position it should not come down. If this is not the case, slightly tighten the screw (17) that works directly on the clutch inside the rotation and lifting unit.
- Make sure the machine is aligned with the graded scale (18) according to the chosen cutting angle.
- Make sure that the nut(19) is tight.



Before plugging the machine in, make sure that the line voltage corresponds to the voltage indicated on the machine.

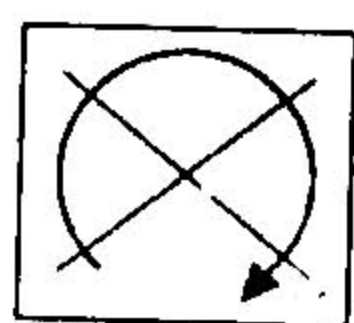
- Mount the piece holder (20), tightening by means of the headless screws (21).
- Loosen the knob (22).
- Slide the rod (23) to determine the desired cutting length.
- Tighten the knob (22) securely.
- Set the cutting speed using the regulator (9); set the blade advancement based on the material to be cut.





## 5.2 CUTTING SPEED (m/min)

- Stainless steel: 20 – 50
- Copper, aluminum and its alloys: 40 – 60
- Steel, etc. : 50 – 70



Insert the piece to be cut in the clamp, resting it against the piece holder, and tighten the clamp lever securely.

## 5.3 ADJUSTING THE BLADE GUIDE

- Loosen the lever (24).
- Slide the blade guide (25) which also acts as a protection until the saw (3) is as covered as possible, based on the size of the part to be cut.

## 5.4 OPERATOR POSITION

- The placement of the machine in relation to the operator position must make it possible to observe the results of the operation and maintain safety conditions.
- During this stage, make sure the start button (8) and speed regulator (9) are easily accessible, and that there is sufficient visibility and lighting on the tool, the surrounding area and base.



It is strictly forbidden to place and/or use the saw when environmental conditions constitute a hazard of explosion or fire.

It is forbidden to use the machine for any purpose other than that intended by the manufacturer. Make sure that operation of the saw does not create hazardous situations for people and/or property.

Should you encounter a malfunction, stop the machine immediately and check the reason

for and/or extent of the breakdown. Contact the authorized Technical Service if necessary.

It is strictly forbidden to exceed the cutting capacity stated by the manufacturer.

## 5.5 STARTING

- Release the safety switch by turning the lock (orange) down (8), then press and begin cutting using even pressure.

## 6. CAUTION

- The first time it is started, the machine will be fairly noisy, due to the normal breaking – in stage of the transmission gears. This noise will disappear after approximately 8 machine hours; in any case, the measurable noise level is equal to and not greater than 85 dbA.

### IT IS ABSOLUTELY FORBIDDEN:

- to lubricate the blade (saw) before/during/after cutting;
- work without the blade guide installed and positioned properly;
- work without the rear guard;
- hold the piece to be cut by hand.

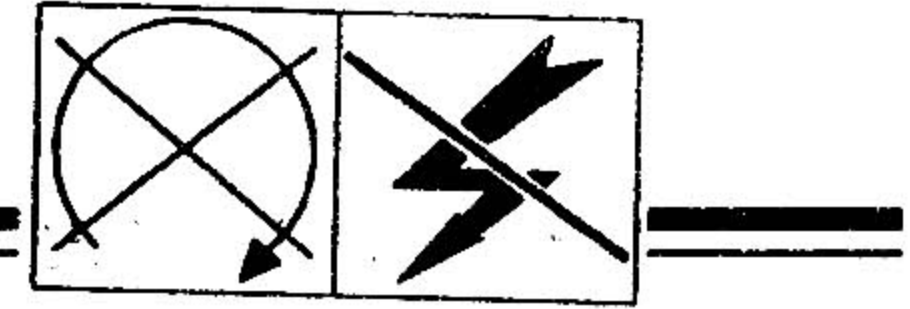
### THE MANUFACTURER SHALL NOT BE HELD LIABLE:

- for damage of any type or entity caused by irrational use of the machine, failure to observe the safety rules indicated in this manual or superficial observance thereof, as well as changes or tampering with the machine, however slight. These actions shall also invalidate all warranty coverage.

## 7. MAINTENANCE

### 7.1 REPLACING THE SAW





It is essential to wear protective gloves when changing the tool.

- Remove the corner plate (27) from the mobile blade guide.
- Remove the protective guard (28).
- Turn the lever (29) towards the position “-”.
- Remove the blade (30).
- Insert the new blade, taking care to observe the cutting direction and placing it between the blade guide rollers, then between the rubber pulleys (31).
- Turn the lever (29) towards the position “+”.
- When the lever (29) reaches the end of its stroke, the blade will automatically position itself for cutting when the motor begins to turn.
- Replace the guard (28) and the plate (27) of the mobile blade guide.



During the first 4 – 6 cuts (after replacing the blade) use slight cutting pressures, to increase the duration and effectiveness of the blade thereafter.

## 7.2 AFTER EACH WORKING SHIFT

- Carefully clean all parts of the machine, to remove shavings and cutting residue.

## 7.3 PERIODICALLY

- Check the length of the electric motor

brushes and make sure they are efficient: if they are less than 6 mm long, they must be replaced with other identical ones.

The gear transmission requires no maintenance since it runs on LONG LIFE lubricants.

## 8. PROCEDURE FOR ORDERING SPARE PARTS

Always specify clearly:

- machine model and serial number;
- part code number;
- part quantity;
- exact address of your company.



The use of non – original spare parts will exempt the manufacturer of all responsibility for all damages.

Item #	Description
50001	Ferrule
50002	Nylon washer
50003	Slide
50004	Special ferrule
50005	Spring holder
50006	Eccentric pin
50007	Spring
50008	Crankcase
50009	Screw protection
500010	Lever
50011	Endless screw
50012	Base
50013	Nut – holder
50014	Seeger
50015	Fixed blade – guide
50016	Felt – holder
50017	Felt
50018	Bearing



50019	Bearing
50020	Nut
50021	Exagonal screw
50022	Small shaft
50023	Nylon washer
50024	Spring
50025	Iron washer
50026	Pawl
50027	Special screw
50028	Rear jaw
50029	Ferrule
50030	Sliding jaw
50031	Small base
50032	Special washer
50033	Nylon washer
50034	Turning casing
50035	Rear hanger
50036	Front hanger
50037	Knob
50038	Stopper bar
50039	Fixed bar
50040	Brush cap
50041	Brush
50042	Brush – holder
50043	Motor body
50044	Plate
50045	Cable with plug
50046	Stator
50047	Conveyor
50048	Armature
50049	Electronic speed regulator
50050	Knob
50051	Plate
50052	Terminal board
50053	Cable – holder
50054	Front handle
50055	Switch
50056	Rear handle
50057	Secondary gear

50058	Bearing
50059	Small cable
50060	Head body
50061	Lever
50062	Bearing
50063	Interm. gear
50064	Final gear
50065	Cuscinetto
50066	Cuscinetto
50067	Gasket
50068	Cap
50069	Driving pulley
50070	Special nut
50071	Blade
50072	Driven pulley
50073	Special washer
50074	Sliding blade – guide
50075	Swinging lever
50076	Locking lever
50077	Small crankcase
50078	Terminal board cap
50079	Legs of base

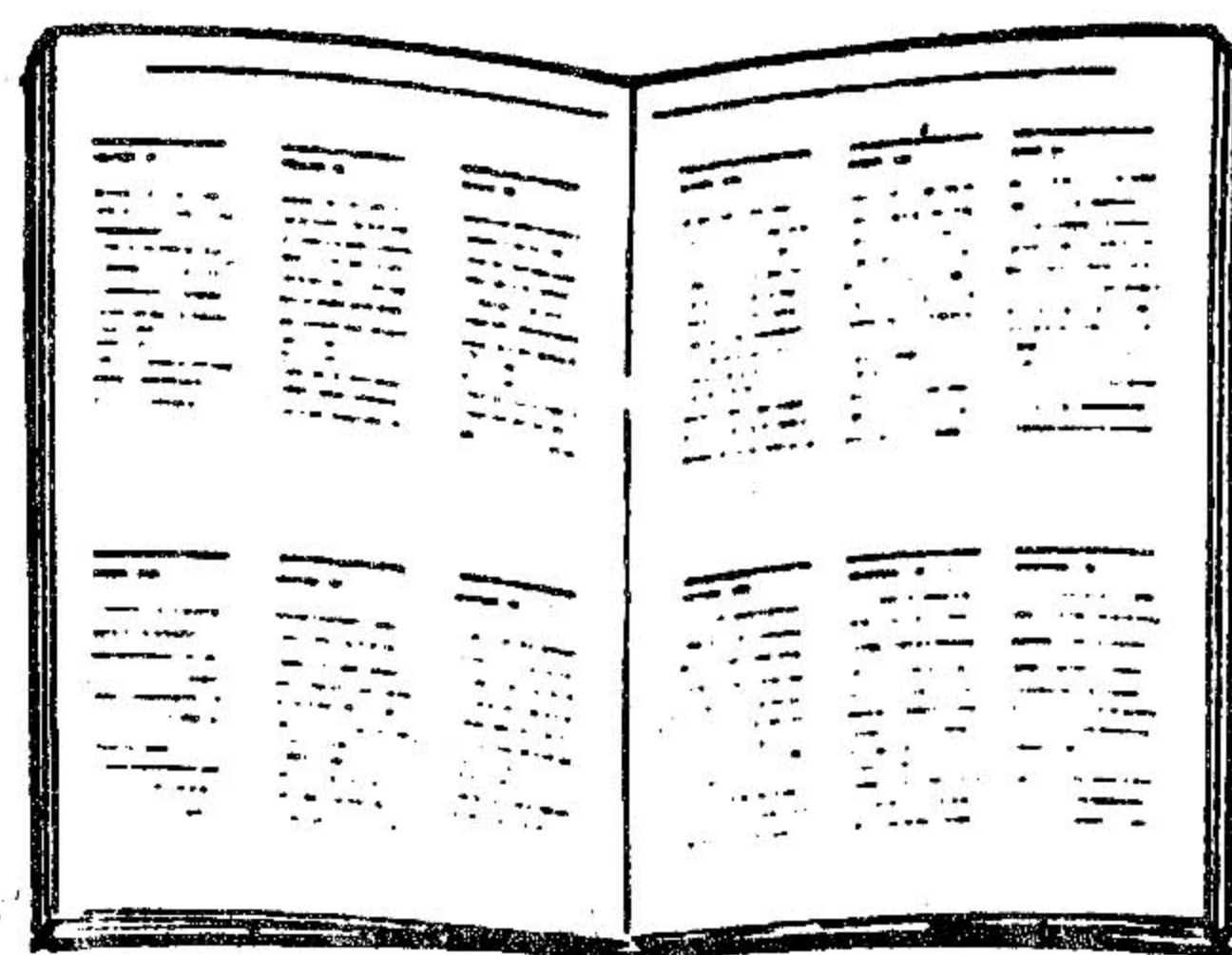


Fig. 1







