

CT 600 UNO ME

OPERATING INSTRUCTIONS

Translation of the original instructions



clipper®



Declaration of conformity

The undersigned manufacturer:

**SAINT - GOBAIN ABRASIVES S.A.
190, BD. J. F. KENNEDY
L-4930 BASCHARAGE**

Declares that this product:

Power Float: **CT 600 UNO ME**

Code : **70184694230**

is in conformity with the following Directives:

- **"MACHINES" 2006/42/CE**
- **"LOW VOLTAGE" 2006/95/CE**
- **"ELECTROMAGNETIC COMPATIBILITY" 2004/108/CE**
- **"NOISE" 2000/14/CE**

And the European standard

- **EN 12649 – Concrete compactors and resurfacing**

Valid for machines as of serial number:

1408000000

Storage site for the technical documents :

Saint-Gobain Abrasives 190, Bd. J. F. Kennedy 4930 BASCHARAGE, LUXEMBOURG

This declaration of conformity loses its validity when the product is converted or modified without agreement.

Bascharage, Luxembourg, 01.08.2014.

A handwritten signature in black ink, appearing to read "Olivier Plenert", written over a horizontal line.

Olivier Plenert, executive officer.

CT600 UNO ME : OPERATING INSTRUCTIONS

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1 BASIC SAFETY INSTRUCTIONS

The CT600 UNO ME is exclusively designed for the finishing of wet concrete floors mainly on construction sites.

Uses other than the manufacturer's instructions shall be considered as contravening the regulations. The manufacturer shall not be held responsible for any resulting damage. Any risk shall be borne entirely by the user. Observing the operating instructions and compliance with inspection and servicing requirements shall also be considered as included under use in accordance with the regulations.

1.1 Symbols

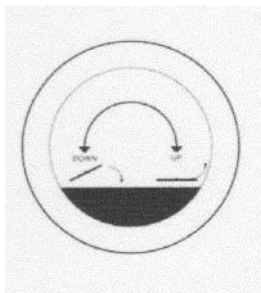
Important warnings and pieces of advice are indicated on the machine using symbols. The following symbols are used on the machine:



Read operator's instructions



Ear protection and safety goggles must be worn



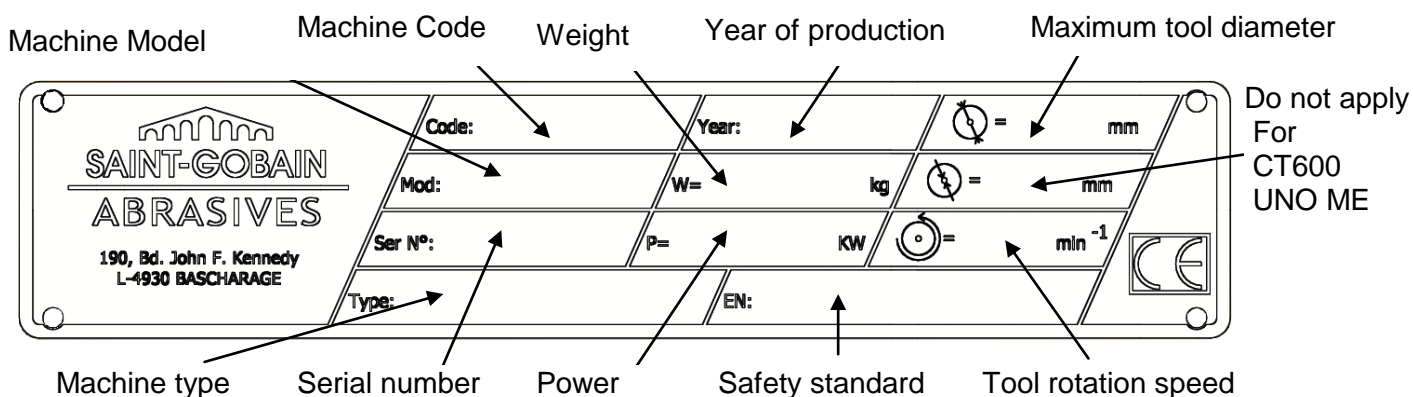
Turn the knob in the indicated direction to tilt (UP) or flatten (DOWN) the blades.



To prevent severe injuries, keep the feet and fingers away from the rotating tool

1.2 Machine plate

Important data can be found on the following plate located on the machine :



1.3 Safety instructions for particular operating phases

Before commencing work

- Read the present operator's instructions booklet carefully.
- Before commencing work, make yourself familiar with the working environment at the place of use. The working environment includes: obstacles in the area of work and manoeuvre, the firmness of the floor, necessary protection at the site relating to public thoroughfares and the availability of help in the event of accidents.
- Check for correct mounting of the tool regularly.
- Immediately remove damaged or badly worn tools, as they endanger the operator whilst rotating.
- Always use the machine with the safety guard ring, protection guards and electric box cover in position.
- Only fit NORTON blades or plates to the machine! The use of other tools can damage the machine!
- Attention is drawn to the use of BS2092 safety goggles in conformity with specified Processes No.8 of the Protection of Eyes Regulation 1974, Regulation 2(2) Part 1.

Electrical powered machine

- Always turn off the machine and separate it from the main source of electricity before any work on the machine is done.
- Make all electrical connections securely to eliminate contact of live wires with spray water or dampness.
- It is IMPERATIVE that you earth the machine properly. Let a qualified electrician check in case of doubt.
- In case of emergency, you can stop the machine by releasing the dead-man handle.
- In the event of the machine breaking down or stopping for no apparent reason, switch off the main electricity supply. Only a qualified electrician is allowed to investigate the trouble and remedy the fault.

2 MACHINE DESCRIPTION

Any modification, which could lead to a change in the original characteristics of the machine, may be done only by Saint-Gobain Abrasives who shall confirm that the machine is still in conformity with the safety regulations.

2.1 Short description

The power float CT 600 UNO ME is designed to produce a finished state of top ground on wet concrete. Robust and powerful machine, it can be used on site but also in industry.

2.2 Purpose of use

The CT600 UNO ME is designed for finishing all types of wet concrete slabs. It is designed for no other purpose.

2.3 Layout



Handle (1)

Jig welded steel construction including 2 rubber grips. A dead-man handle (7) allows the operator to work safely and to stop the machine at any moment. The angle of the machine arm can be adjusted to operate the machine comfortably.

Pitch of the blades (2)

The pitch of the blades is controlled over a knob on the handle.

Belt drive and belt cover (3)

A centrifugal clutch inside the motor pulley drives the gear shaft through V-Belts. The drive assembly is enclosed in a metal guard.

Safety guard ring (4)

A safety guard ring protects the operator from the rotation of the tool while offering an optimum view of the working progress. This ring can rotate, in order to ease the finishing of floor up to walls.

Electrical Motor (5)

Electrical Motor 1,1kW controlled by the handle deadman.

Lifting handle (6)

The lift handle makes lifting the machine by hand.

2.4 Technical Data

| | |
|----------------------------------|---------------------------------------|
| Electric motor | 1,1 kW 230V 1~ |
| Electric motor protection | IP54 |
| Max. tool diameter | 600mm |
| Rotation speed of the tool shaft | 95 Tr.min ⁻¹ |
| Sound level | 79 dB (A) (according to ISO EN 11201) |
| Sound Power Level | 91 dB (A) (according to ISO EN 3744) |
| | |
| Typ of tool | Blade or plate |
| | |
| Machine dimensions (LxWxH) | 1330x610x950mm |
| | |
| Weight (with tool assembled) | 34 kg |

2.5 Statement regarding the vibration emission

Declared value of vibration emission following **EN 12096**.

| Machine Model / code | Measured value of vibration emission at m/s^2 | Uncertainty K m/s^2 | Tool used Model / code |
|------------------------------|---|-----------------------|------------------------|
| CT 600 UNO ME 70184694230 | <2.5 | 0.5 | Original Pale |

- The vibration value is lower and does not exceed 2.5 m/s^2 .
- Values determined using the procedure described in the standard **EN 12649**.
- The measurements are made with new machines. Actual values may vary with site conditions, in terms of:
 - Materials worked
 - Wear Machine
 - Lack of maintenance
 - Inappropriate tool for application
 - Tool in poor condition
 - Unskilled operator
 - Etc...
- The exposure time to vibration is based on the performance of work (related to the adequacy Machine / Tool / worked material / operator)
- When evaluating risks due to hand-arm vibration, you need to take into account effective usage at rated power of machine during a full day of work; quite often you will realise that effective utilisation time represents around 50% of overall duration of work. You have to consider, of course, breaks, water feeding, preparation of work, time to move the machine, disk mounting...

2.6 Statement regarding noise emission

Declared value of noise emission following **EN ISO 11201** and **NF EN ISO 3744**.

| Machine Model / code | Sound Pressure level L_{Peq} EN ISO 11201 | Uncertainty K (Sound Pressure level L_{Peq} EN ISO 11201) | Sound power level L_{Weq} NF EN ISO 3744 | Uncertainty K (Sound power level L_{Weq} NF EN ISO 3744) |
|-------------------------------------|---|---|--|--|
| CT 600 UNO ME 70184694230 | 71 dB(A) | 2.5 dB(A) | 91 dB(A) | 4 dB(A) |

- Values determined using the procedure described in the standard **EN 12649**.
- The measurements are made with new machines. Actual values may vary with site conditions, in terms of:
 - Wear Machine
 - Lack of maintenance
 - Inappropriate tool for application
 - Tool in poor condition
 - Unskilled operator
 - Etc...
- Measured values relate to an operator in normal use, as described in the manual position.

3 ASSEMBLY AND COMMISSIONING

The machine is delivered assembled, fully equipped and ready for use. Before using the machine for the first time, follow these simple instructions.

3.1 Tool assembly

Only NORTON blades or plate with a maximum diameter of 600 mm can be used with the CT600 UNO ME. Coupez l'alimentation de la machine et débranchez-la du réseau électrique avant de monter ou changer un outil. Le diamètre maximal de pales ou de plateau supporté par la machine est de 600mm.

Before mounting a new tool into the machine, switch off the machine and isolate it from the main source of electricity.

Screw 2 M6-screws per blade using a 10mm wrench to assemble the blade on the arm. To assemble a plate, place the machine with the blades assembled on the plate, and turn it until the blades are located in the hooks on the plate

3.2 Electrical connections

Check that :

- The main switch of the machine is not operated.
- The voltage/phase supply corresponds to the information indicated on the motor plate.
- Available power supply must have ground connection in conformity with safety regulations.
- The connecting cables should have at least a 2.5mm²-section per phase..

3.3 Starting the machine

Set the machine arm in a comfortable position. To that purpose, loosen the handle on the arm and set the arm at the right angle, then retighten the handle.

To start the machine after connection to the power supply, press the main switch and press the dead-man handle. To stop the machine, release dead-man handle.

4 TRANSPORT AND STORING

4.1 *Security for transport*

Always remove the blades or tray before transporting or moving the machine.

4.2 *Transport procedure*

Conform yourself to work regulations, in order to transport the water tank. The water tank is not designed to be lifted with a crane

4.3 *Long period of inactivity*

If the machine is not going to be used for a long period, completely clean the machine and disassemble the tools. The storage site must be clean, dry and at a constant temperature.

5 OPERATING THE MACHINE

Included in this chapter with tips for using the machine safely.

5.1 *Site of work*

- Remove from the site anything, which might hinder the working procedure!
- Make sure the site is sufficiently well lit!
- Observe manufacturer's conditions for connecting to power supplies!
- Place electric cables in such a way that damage by the machine is excluded!
- Make sure you have a continual adequate view of the working area so you can intervene in the working process at any time!
- Keep other staff out of the area, so you can work securely.

5.2 *Preparing the site*

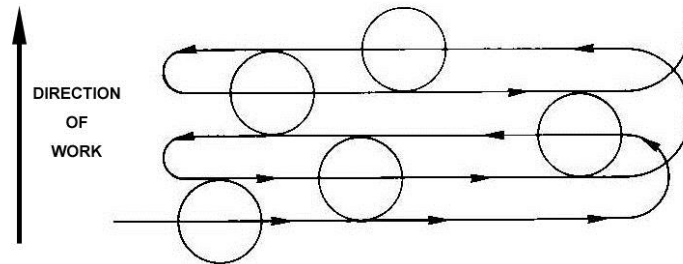
Prepare the concrete as for manual trowelling. Assure a well levelled surface (we recommend the use of a beam or better a vibrating screeder). When slab has set sufficiently firm so that the operator can walk on it, leaving only a slight impression (approx.3mm), it is ready for the floating operation.

5.3 *Floating and finishing operation*

To use correctly the CT600 UNO ME you must face it with the two hands on the handle. To start the machine, press the main switch and press the handle with the handle "dead-man." To turn it off, release the handle "dead-man".

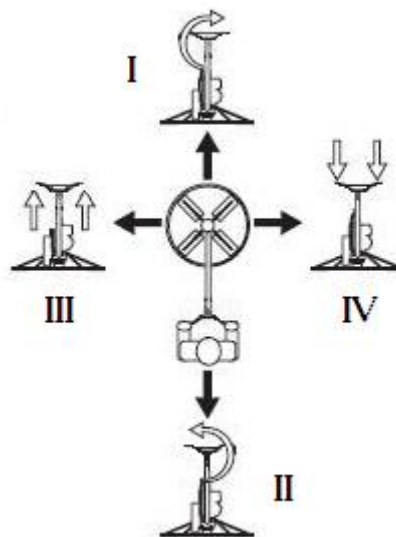
Handling the machine

Operate the machine from right to left as shown in the following drawing :



To move the machine:

- Forward (I on the following drawing), turn the handle clockwise.
- Backward (II), turn the handle counterclockwise.
- To the left (III), pull up the handle.
- To the right (IV), push down the handle.



Tilting the blades

Floating the slab is done with the blades nearly flat on the surface of the concrete; however it is recommended that the blades are just slightly tilted to avoid the suction and drag created in normal operation of float blades on wet concrete. For the finishing operation, tilt the blades. Start with a small pitch of 4 to 6 mm. After each finishing pass, continue to tilt blades.

Depression or high spot

To fill a depression or cut down a high spot, simply move the machine back and forward over the area until the desired surface is obtained.

IMPORTANT: Do not allow the machine to stand in one spot on wet concrete – remove the machine from the slab when it is not used.

CAUTION: when the machine is switched off, the tools will continue turning slowly to complete stop. Be therefore very careful to avoid injuries.

6 MAINTENANCE AND SERVICING

To ensure a long-term quality from the use of the CT600 UNO ME, please follow the maintenance plan below :

| | | Begin of the day | During the changing of tool | End of the day or more often if required | Every week | After a fault | After a damage |
|----------------------------|--|------------------|-----------------------------|---|------------|---------------|----------------|
| Whole machine | Visual control (general aspect, water tightness) | | | | | | |
| | Clean | | | | | | |
| Surface of blades or plate | Clean | | | | | | |
| Tension of the blade | Check | | | | | | |
| Motor cooling fan | Clean | | | | | | |
| Motor housing | Clean | | | | | | |
| Reachable nuts and screws | Tighten up | | | | | | |

Maintenance of the machine

Always perform the maintenance of the machine with the machine isolated from the electrical supply and with tools idle.

Lubrication

The CT600 UNO ME uses life-lubricated bearings. Therefore, you don't need to lubricate the machine at all.

Control and change of the belt

To control the tension of belts, open the belt guard, and push on the belts. You should be able to gape the belt as thick as a finger. If the tension is incorrect, loosen the nuts securing the motor on the machine and move the motor until the correct tension is reached. Make sure that the pulleys are aligned correctly. Then retighten the nuts.

To change the belts, loosen the nuts securing the motor on the machine and move the motor forward until you can remove the old belts and put a new set of belts on the pulleys. Move the motor in order to tighten the belts in a suitable way. Make sure the pulleys are aligned correctly. Then retighten the nuts to assemble the motor securely.

After the control or the change of the belts, always reassemble the belt guard.

Cleaning of the machine

Your machine will last longer if you clean it thoroughly after each day of work.

7 FAULTS : CAUSES AND CURES

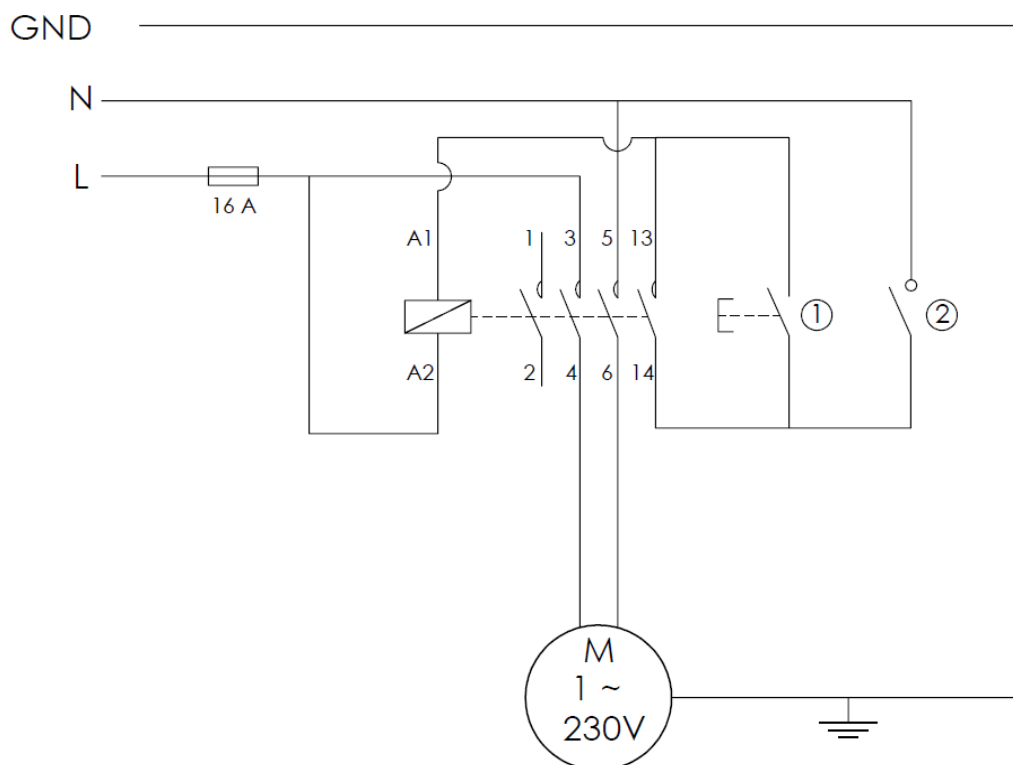
7.1 Fault-finding procedures

Should any fault occur during the use of the machine, turn it off, and isolate it from the electrical supply. Any works dealing with the electrical system or supply of the machine can only be carried out by a qualified electrician.

7.2 Trouble-shooting guide

| Trouble | Possible source | Resolution |
|----------------------|------------------------------------|---|
| Motor is not running | No electricity | Check the electrical supply (fuse for example) |
| | Connection cable section too small | Change connection cable |
| | Defective connection cable | Change connection cable |
| | Defective switch | CAUTION : can only be solved by qualified electrician |
| | Defective motor | Change motor or contact motor manufacturer |

7.3 Circuit diagram



- 1 : Switch
- 2 : Handle "dead man".

7.4 Customer service

The spare parts list is available on the website: <http://www.construction.norton.eu>

When ordering spare parts, please mention:

1. The serial number
2. The code of the part.
3. The exact denomination.
4. The number of parts required.
5. The delivery address.
6. Please indicate clearly the means of transportation required such as "express" or "by air". Without specific instructions, we will forward the parts through the means which seem appropriate to us --- but which is not always the quickest way.

Clear instructions will avoid problems and faulty deliveries.

If not sure, please send us the defective part. In the case of a warranty claim, the part must always be returned for evaluation. Spare parts for the motor can be ordered with the manufacturer of the motor or with their dealer, which is often quicker and cheaper.

This machine has been manufactured by

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Guarantee can be claimed and technical support obtained from your local distributor where machines, spare parts and consumables can be ordered as well:

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