

hadewe

Manual



Xantos

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CE

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Safety Instructions



Read this instruction manual in its entirety before you start operating the unit. Especially read through any information regarding the battery and recharging process to prevent damage to the accumulators.



Always follow the operating instructions.



The installation of the working area has to correspond to the relevant regulations. Set up the unit in such a way, that the air slits are not blocked and the extracted air can escape well.



To avoid the risk of electrocution only connect the device to the mains power supply.



If you pull the power plug, it will stop the connection to the mains power supply. Set up the unit so that the power plug is always accessible. The power switch should also always be easily accessible.



Only switch on the unit, if the handpiece rests secured in the handpiece holder, or if you hold it safely in your hand.

Safety Instructions



Prevent any liquids from entering into the control unit, since this could damage the electronic elements. Clean the outside of the box only with a damped cloth. Make sure, that you have unplugged the unit before.



Only when pulling the mains cable, you can ensure that the device will be completely disconnected from mains. Check the mains cable regularly for damage, and in case of such, have it changed or repaired by an authorized service center.



Regularly check the mechanical safety of the unit (look for damages to the housing or mains cable for example).



Prevent your hair from wrapping itself around moving parts. If applicable, wear a hair net.



Ensure that the patient's foot and the handpiece are held firmly in place during the operation. To prevent injury, work with extreme caution on the foot of the patient, and use only light pressure.

Safety Instructions



The equipment should only be used by trained operators. This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.



Children should be supervised not to play with the appliance.



To ensure that the bur/tool sits firmly in the chuck, do not work with tools which:

- have an oily shaft,
- are worn,
- are bent.



Before using the equipment, assure that:

- the tool can be pushed far enough into the chuck (test this with a dipstick and clean the handpiece if necessary),
- the inserted tool sits properly in the chuck and will not cant/jam while clamping it,

Safety Instructions

- the tool is approved for using it at the max speed (see manufacturer's instructions), or
- only use the speed required by the instrument,
- the tool is absolutely dry.



For safety reasons do not change the tool while the motor is running.



Switch off the unit immediately if

- the bur comes off during the treatment itself,
- the motor blocks during the treatment.



For safety reasons wear goggles during the treatment.



Do not carry out any repairs, modifications or maintenance work yourself. This is only to be accomplished by an authorized specialist. The mains cable may also only be changed by the manufacturer, or an authorized specialist. Never remove the housing, especially not while the equipment is plugged into the socket, since some components are under

Safety Instructions

electric voltage. Any unauthorized or improper handling (e.g. trying to repair the unit) of the equipment will immediately nullify the guarantee/warranty, and any other liabilities of the manufacturer.

Cleaning & Disinfection



After every treatment please carry out the following steps:

- Remove the rotating tool (e.g. bur, capper etc.) first. Then handle the cleaning of the tool according to the instructions of its manufacturer.
- Remove tissue remains by wiping off the unit with a mildly moistened paper cloth. Afterwards clean all surfaces with disinfection cloth (e.g. Mikrozyd AF Tücher of Schülke and Mayr).
- The charging unit is only to be cleaned with a dry cloth.

Getting to Know the Unit

- (1) speed display
- (2) LED (shines during left rotation)
- (3) increase speed
- (4) change directory
- (5) decrease speed
- (6) on/off button



Before First Use

Please read through the instructions carefully before using the unit and carefully note the safety advice. Always keep this manual accessible to any users of the drill.

Area of application

The control unit can be set up in a cabinet, or can be used as a portable unit (e.g. in a carry case). It is suitable for the following scopes:

- foot care/manicure
(milling, trimming and polishing),
Attention: Additional spray or suction might have to be in operation during foot care in your country.
- dental technique /-laboratory
(milling-, trimming and polishing work at plaster casts and models),
Do not use this unit for dentist purposes, i.e. working directly on the patient.
- industry (grinding, milling and polishing works).

Installation site

The installation of the workroom must correspond to any regulations according to your country laws. Set up the control unit, so that the ventilation slits are not covered or blocked, and the exhaust air can escape well.

The drill and the charging unit may only be operated in confined spaces. Temperature rising of the housing is normal during operation. Although the unit should never be covered, nor be located near heating devices or in direct sun impact.

Using the Unit

Clamping the tool/bur

The handpiece is equipped with a chuck, which can hold all burs with a diameter of 2,35 mm (this is the diameter usually used for tools in podiatry). To open the chuck, push the spanner forward with your thumb and leave it there.



Now insert the tool as far as possible. Pull back the knob and the tool will be firmly clamped.



For security reasons, only change the tool, if the handpiece is turned off.

Starting up the unit/ Setting up the speed

Put down the handpiece in the

handpiece holder. Plug-in the plug. Turn on the unit with button (6). With button (3) and (5) you can adjust the speed level.

Regularly the drill runs clockwise. To change the direction push button (4). While the drill runs with the left rotation the green LED (2) is shining.

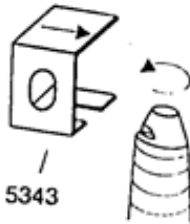
Maintenance & Care

Cleaning the chuck

In the process of time, some dirt might collect itself within the handpiece and might affect its functions. Therefore, the chuck has to be cleaned monthly.

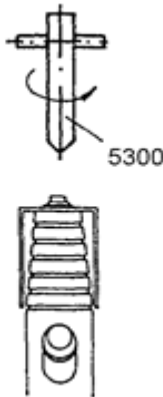
How to remove the chuck

Screw off the top of the handpiece with the tool 5343.



Now clean the inside of the handpiece and the top with the brush.

For opening the chuck, push the button forward. Set the tool 5300 on the axle and hold it tight. Now use the front of tool 5343 to unscrew the chuck.



To assemble the chuck, follow the steps in reverse order. Make sure that the chuck is opened during the assembly (the handpiece button must be in forward position), and is firmly applied afterwards.

How to clean the chuck

Soak the chuck in ethyl alcohol or a cleaning liquid for tools. Clean the slits of the chuck with the brush 6158:





Use the brush to remove all dirt residues from the drill-hole of the chuck:





Rinse the chuck very well, and make sure you let it dry well afterwards. Cover your index finger with a very little amount (just a drop) of oil and rub in between your thumb and index finger. Dab off the oil until your fingers is only covered with a very thin film of oil. Now move the chuck in between your thumb and index finger. There should be only a very thin film of oil left on the chuck. Please act according to the saying: Less is more.

Handling Instructions

 Never put the handpiece into any kind of liquid, and never oil or grease the handpiece. Clean its surface with a damp cloth. Pay attention, that no moisture or liquid enters the handpiece.


 Never put any wet burs or instruments into the handpiece. Its moisture could damage the interior parts of the handpiece.


 Any materials used by hadewe prevent a formation of rust. In cases in which a rust infestation was found within the handpiece, thorough inspections and examinations always have proved, that the rust had a foreign origin (which was usually caused by the tools used in these circumstances). Even in high-grade steel instruments of well-known manufacturers, formation of rust can appear, e.g., through wrong treatment with chemical cleaning and disinfection liquids. This extraneous rust affects internal parts of the handpiece in form of rust bloom and causes pitting. Therefore, when you not working with the handpiece, always remove the bur/ tool from it.


 Always make sure that you do not let the handpiece fall down or exposes it to any shocks. The ball bearings and the motor could be damaged by this. Only work with tools, which are flawless. Do not work with tools


which

- are bent or out of balance,
- whose shaft is worn out or
- are rusty.

 Working with faulty tools will cause a stronger vibration of the handpiece. A damage or even devastation of the ball bearings, clamping technique or motor could be the consequence.

 Working with high pressure will not improve the outcome of your work, since the motor will even be slowed down. A second disadvantage is the stronger impact on the ball bearings and the motor, which will shorten their life span in the long run.

 Always working with maximum speed might have a similar effect. Please make sure that the speed setting you use is according to the work you are doing and the instruments you are working with.

 Never clean the handpiece with pressurized air or when the motor is running. Dirt could be forced into the bearings causing damage.

Troubleshooting

Handpiece vibrates, is very noisy and/ or becomes warm in the front part.

Use of bent burs/tools. → Use a different bur/tool to test this. The bur/tool itself can be tested with the hadewe Bur Shaft Tester 4990 to see if it is bent.

Maximum allowed speed of the tool was exceeded, which caused a stronger vibration. → Pay attention to the tool (e.g. bur, capper and instrument) manufacturers handling details.

Bur/tool can be inserted only with difficulty, or not at all.

Use of bent burs/tools. → Use a different bur/tool to test this. The bur/tool itself can be tested with the hadewe Bur Shaft Tester 4990 to see if it is bent.

Chuck is dirty. → Clean the chuck according to the instructions in the manual.

Bur does not clamp, or does not spin.

Chuck is not tightened well. → Tighten the chuck firmly according to the instruction in the manual.

Knob of the handpiece cannot be moved easily.

Chuck is dirty. → Clean the chuck according to the instructions in the manual.

Unit does not work at all.

Pull out the mains plug to reset the device.

The unit shows different sound levels at different sites of use.

The sound level varies according to the surroundings of the unit. If you set up the unit directly in front of a wall, the sound is reflected stronger, as if it would, while standing further away from a wall.

Handpiece motor stutters shortly (appr. 1 sec) when turning unit on.

In very rare cases this effect did appear. It will not harm or damage the device.

Technical Details

unit: 0897 Xantos-12

handpiece:

weight: 195 g

length: 146 mm

handp.-Ø: 17,5 mm

motor-Ø: 29 mm

speed range: 2000 - 12000 rpm

control unit:

weight: 0,9 kg

measurements: W114xH86xD183mm

power supply: 230V ~, 50Hz

output: 65 W

fuse pri.: 315mA delayed-action fuse

fuse sec.: thermo-fuse

unit: 0898 Xantos-22

handpiece:

weight: 117 g

length: 129 mm

handp.-Ø: 17,5 mm

motor-Ø: 20,5 mm

speed range: 3000 - 22000 rpm

control unit:

weight: 0,9 kg

measurements: W114xH86xD183mm

power supply: 230V ~, 50Hz

output: 65 W

fuse pri.: 315mA delayed-action fuse

fuse sec.: thermo-fuse

The clamping system is designed for rotating instruments, which have a shaft of 2,35mm in accordance with DIN EN ISO 1797-1.

Safety Check

A safety check must be done in compliance with the regulations of the country where the device is used. The inspection interval is once a year.

Declaration of conformity

We declare under our sole responsibility, that the products 0897, 0898 and to which this declaration relates, are conform to the following standards or normative documents:

2014/30/EU directive EMC

2014/35/EU low voltage directive

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Symbols



Caution!



Important note!



Follow instructions for use!



protection class II



alternating current



direct current



safety fuse



date of manufacture,
name and address
of the manufacturer

Disposal

For disposal of this unit, please contact the site, where you bought this hadewe product. Do not dispose in household refuse. Respect your local disposal regulations.

hadewe

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