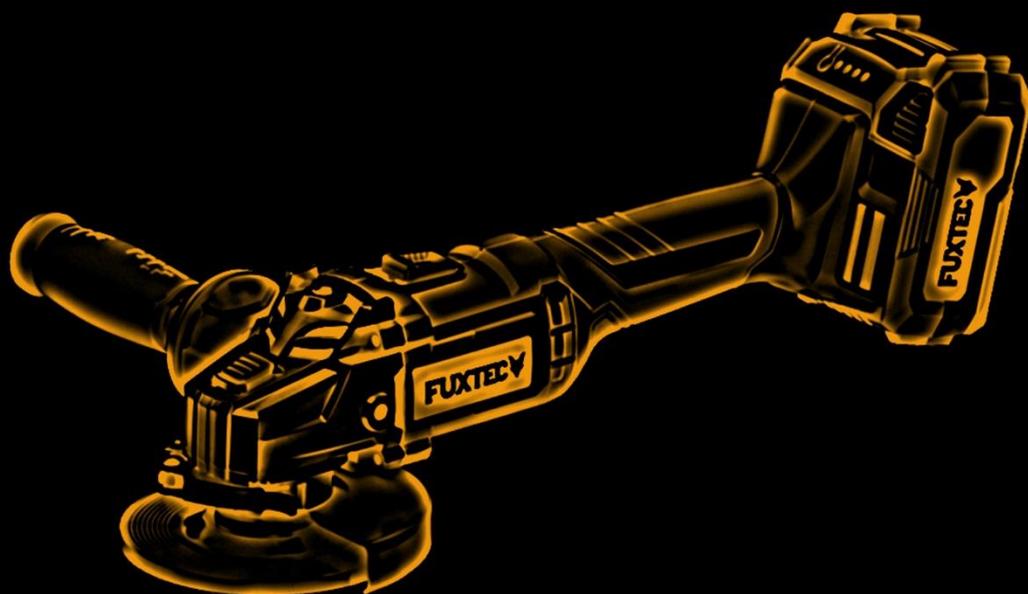


# FUXTEC

**Original User Manual**

# **Cordless Angle Grinder FX-E1WS20**



**WARNING:** Before starting work, please read the operating manual carefully, as it contains all the important information and safety instructions that must be followed in order to use this equipment properly.

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## Content

Introduction and safety.....	3
Appropriate use.....	3
General safety instructions for power tools.....	3
Workplace safety.....	3
Electrical safety .....	3
Personal safety .....	4
Use and handling of the power tool.....	4
Use and handling of the cordless tool.....	5
Safety information for Cordless Angle Grinders .....	5
General safety information .....	5
Before use.....	6
When using.....	6
After use .....	6
Safety information for the charger .....	7
Safety information for Li-Ion batteries.....	7
Presentation .....	8
Use.....	9
Disposal .....	11
Technical data .....	12
Declaration of Conformity.....	13

## Introduction and safety

Never allow children or persons unfamiliar with these instructions to use the power tool. Children should be supervised to ensure that they do not play with the device.

### Appropriate use

This device is intended exclusively for grinding, cleaning (with wire brush attachment) or as a cutting tool for private use.

The device is to be used in accordance with the descriptions and safety instructions given in this manual and in the descriptions and safety instructions provided. Any other use is not intended. Any use other than that intended will invalidate the warranty and result in the manufacturer's refusal to accept any responsibility. The user is liable for all damage to third parties and their property. Operate the device only in the technical condition specified and delivered by the manufacturer. Unauthorized modifications to the device exclude the manufacturer's liability for any resulting damage.

### General safety instructions for power tools

#### WARNING!

Read all safety information and instructions. Failure to follow the safety information and instructions may result in electric shock, fire and/or serious injury.

Keep all safety information and instructions for future reference.

The term power tool used in the safety information refers to power tools that operate on mains power (with power cord) and battery-powered power tools (without power cord).

### Workplace safety

- Keep your work area clean and well lit. Clutter or unlit work areas can lead to accidents.
- Do not work with the power tool in a potentially explosive environment containing flammable liquids, gases or dust. Power tools generate sparks that can ignite the dust or vapours.
- Keep children and other persons away from the power tool throughout its use. If distracted, you may lose control of the device.

### Electrical safety

- Keep power tools away from rain or wet conditions. Water entering a power tool increases the risk of electric shock.
- Do not use the cord to carry or hang the power tool or to unplug the power tool from the wall outlet. Keep the cord away from heat, oil, sharp edges or moving parts. Damaged or tangled cables increase the risk of electric shock.

- If you use a power tool outdoors, only use extension cords that are suitable for outdoor use. Using an extension cord suitable for outdoor use reduces the risk of electric shock.

### Personal safety

- Be alert, pay attention to what you are doing, and use common sense when working with a power tool. Do not use a power tool if you are tired or under the influence of drugs, alcohol or medication. A moment of carelessness while using a power tool can cause serious injury.

- Wear personal protective equipment and always wear safety glasses. Wearing personal protective equipment such as a dust mask, non-slip safety shoes, hard hat or ear protection, depending on the after type and use of the power tool, reduces the risk of injury.

- Avoid unintentional start-up. Make sure that the power tool is turned off before connecting it to the power supply and/or battery, picking it up or carrying it. If you lift your finger while carrying the power tool on the switch or connect the device to the power supply when switched on, this can lead to accidents.

- Remove adjustment tools or wrenches before turning on the power tool. A tool or wrench that is in a rotating part of the unit may cause injury.

- Avoid abnormal posture. Maintain a safe standing position and balance at all times. This allows you to control the power tool better in unexpected situations.

- Wear suitable clothing. Do not wear loose clothing or jewellery. Keep hair, clothing and gloves away from moving parts. Loose clothing, jewellery or long hair can be caught by moving parts.

### Use and handling of the power tool

- Do not overload the device. Be sure to use the designated power tool for your work. With the right power tool, you will work better and safer in the specified power range.

- Do not use a power tool whose switch is defective. A power tool that cannot be switched on or off is dangerous and must be repaired.

- Unplug the power cord and/or remove the battery before making adjustments to the device, changing accessories or putting the device away. This precaution prevents the power tool from starting accidentally.

- Keep unused power tools out of the reach of children. Do not have the device used by persons who are not familiar with it or have not read these instructions. Power tools are dangerous if they are used by inexperienced persons.

- Take care of power tools properly. Check that moving parts function properly and do not jam, that parts are not broken or damaged in such a way that the function of the power tool is impaired. Have

damaged parts repaired before using the device. Many accidents are caused by poorly maintained power tools.

- Be sure to use power tools, accessories, insert tools, etc. according to these instructions. Take into account the working conditions and the task to be performed. The use of power tools for applications other than those intended can lead to dangerous situations.

### Use and handling of the cordless tool

- Charge the batteries only with chargers recommended by the manufacturer. Using a charger that is suitable for a particular type of battery creates a fire hazard when used with other batteries.

- Only use the rechargeable batteries in power tools that are designed for this purpose. Use of other batteries may cause injury and fire.

- Keep the unused battery away from paper clips, coins, keys, nails, screws, or other small metal objects that could cause the contacts to bridge. A short circuit between the battery contacts may cause burns or fire.

- Liquid may leak from the battery if used incorrectly. Avoid contact with it. In case of accidental contact, rinse with water. If the liquid gets into your eyes, seek additional medical attention. Leaking battery fluid may cause skin irritation or cause burns.

## Safety information for Cordless Angle Grinders

### General safety information

- For your safety and the safety of others, read this manual and its safety information before using the device. Please keep this manual and its safety information in a safe place for future reference and keep it handy for any operation.

- Pass on the operating instructions with the device in the event of a change of ownership.

- Persons operating the device must not be under the influence of intoxicating substances (e.g. alcohol, drugs or medicines).

- Operate the device only in the conditions specified and supplied by the manufacturer. technical condition. Unauthorized modifications to the device exclude the manufacturer's liability for any resulting damage.

- Only use the device in daylight or under good artificial lighting.

- Only use the device in dry weather conditions. Keep it away from rain or moisture. Water ingress into the device increases the risk of electric shock.

- Turn off the device and remove the battery in the following conditions:
  - if the device is left unattended;
  - before checking, cleaning or other work on the device;
  - if the device starts to vibrate excessively.

### Before use

- Familiarise yourself with the unit and its functions and controls before starting work.
- Check the unit for signs of wear or damage before starting up and after a collision.
- Do not use device whose switch is defective and can no longer be switched on or off.
- Check that all nuts, bolts and screws are tight to ensure that the unit is operated safely.
- Never use device with damaged or missing parts. Have them repaired or, if necessary, replaced by a qualified technician or specialist workshop.
- Always wear appropriate personal protective device (safety goggles, ear protection, non-slip work gloves, etc.) when working with or on the device. Wearing personal protective device reduces the risk of injury.

### When using

Do not switch on the device when persons (especially children) or animals are in the immediate vicinity. Make sure that children do not play with the device.

Make sure that you have a firm footing and work calmly and carefully. Use the discs provided according to the material to be worked on. Incorrect selection can lead to slipping and injury. Wear hearing protection when using the angle grinder. Exposure to noise can lead to hearing loss. Hold the power tool by the insulated grip surfaces.

### After use

Switch off the unit and remove the battery from the angle grinder. Then place the unit in a safe place.

Do not store the device within the reach of children. Make sure that the ventilation slots in the unit are clean.

Please do not clean dirt with water. This may damage the electrical device.

### Safety information for the charger

- Keep the charger away from rain or moisture. Water entering a charger increases the risk of electric shock.
- Keep the charger clean. Soiling increases the risk of electric shock.
- Check the charger, cable and plug before each use. Do not use the charger if you notice any damage. Do not open the charger yourself and have it repaired by qualified personnel using only original spare parts.  
Damaged chargers, cables and plugs increase the risk of electric shock.
- Do not place any objects on the charger or place it on soft surfaces. This could result in a fire hazard.
- Always check that the mains voltage corresponds to the voltage indicated on the charger's rating plate.
- Never use the charger if the cable, plug or the device itself is damaged by external influences. Take the charger to the nearest specialist workshop.
- Never open the charger. In the event of a fault, take it to a specialist workshop.

### Safety information for Li-Ion batteries

- Do not open the battery. There is a risk of short circuit.
- Protect the battery from heat, including continuous exposure to sunlight, fire, water and moisture. There is a risk of explosion.
- Vapours may escape if the battery is damaged or used improperly. Supply fresh air and consult a doctor if you have any complaints. The vapours can irritate the respiratory tract.
- Liquid may leak from the battery if used incorrectly. Avoid contact with it. In case of accidental contact, rinse with water. If the liquid gets into your eyes, seek additional medical attention. Leaking battery fluid may cause skin irritation or burns.
- Only use original batteries with the voltage specified on the rating plate of your power tool. If other batteries are used, e.g. imitation, reconditioned batteries or batteries from other manufacturers, there is a risk of injury and material damage due to exploding batteries.
- The battery voltage must match the battery charging voltage of the charger. Otherwise there is a risk of fire and explosion.

- Only charge the batteries with chargers recommended by the manufacturer. Using a charger that is suitable for a particular type of battery creates a fire hazard if it is used with other batteries.

- Sharp objects such as nails or screwdrivers or external force may damage the battery. An internal short circuit may occur and the battery may burn, smoke, explode or overheat.

## Presentation



Figure 1: Angle grinder

1. Insulated auxiliary handle (can be positioned differently)
2. Positioning hole for auxiliary handle
3. On/off switch
4. Insulated handle
5. 20v battery pack
6. Positioning hole for auxiliary handle
7. Protective shield
8. Grinding wheel
9. Mounting lever for protective shield
10. Switch for locking the drive spindle

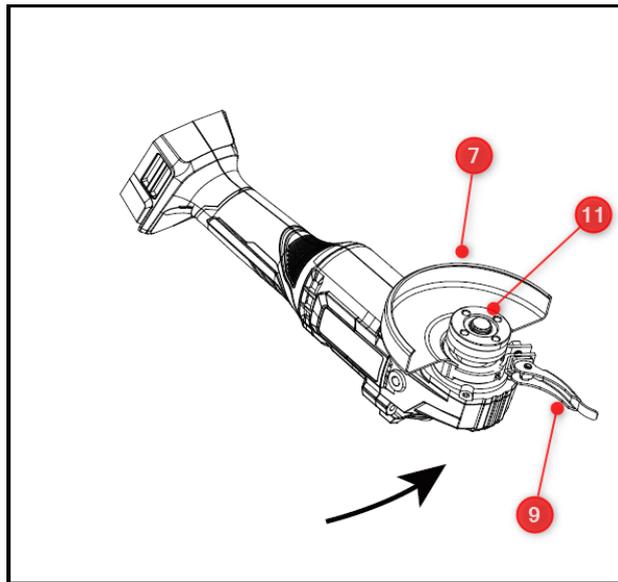


Figure 2: Bottom side of battery angle grinder

To attach the protective shield (item 7) to the unit, open the mounting lever (item 9) provided and then slide the shield over the drive spindle (item 11) to the desired position. Close the lever again to fasten the shield. Make sure that all the lugs of the fixing lever sink into the notches provided in the shield.

Position the protective shield so that you as the user are protected from any sparks. To change the position of the shield, you must always open the fastening lever.

## Use

This power tool is intended as a grinder, sander, wire brush or cutting tool for private use. Please read these operating instructions carefully. Failure to follow instructions may result in electric shock, fire and/or cause serious injury.

Polishing with this machine is not recommended. Any work that is not in accordance with the intended purpose is dangerous and can cause personal injury.

Do not use accessories that are not recommended by FUXTEC.

The rated speed of the accessories to be used must be the same as the rated speed of the device used. Accessories that can run faster than the rated speed of the device may break apart during use and cause serious damage.

The outer diameter and thickness of the accessories must be within the capacity limits of the device. Incorrectly dimensioned accessories cannot be used safely.

The threads of the accessories must match those of the grinding spindle thread. Unsuitable accessories can lead to loss of control and serious damage.

A kickback is a sudden reaction to a tangled or jammed rotating disc, backing pad, brush or other accessories.

Jamming or entanglement affects the rotating accessories, which in turn can lead to uncontrolled behaviour of the device.

In addition to the general safety recommendations already mentioned, please pay attention to the following points before and during the use of your cordless angle grinder:

1. Check the accessories carefully before use. There should be no cracks or fissures.
2. Before you start using the angle grinder, make sure that the direction of rotation of the accessories corresponds to the direction of rotation of the unit.
3. Do not apply too much force during operation, do not let the rotating accessory strike the workpiece. Doing so may cause the accessory to crack, splinter or come loose, resulting in serious damage.
4. When using the angle grinder with a cutting disc for cutting, never guide the angle grinder horizontally, but always cut vertically or diagonally
5. At the beginning of the work, the angle grinder should be started before the workpiece is touched with the disc.
6. When working with the angle grinder, always wear safety glasses to protect your eyes. Further wearing of protective clothing such as gloves and hearing protection is also strongly recommended.
7. Always use a protective shield closed at the sides when working with abrasives.
8. Always use the auxiliary handle when working with the angle grinder.
9. Before touching the accessories after work is completed, allow them to cool down.
10. After work, please clean the spindle and all mounted parts. Attention: do not use water - the angle grinder can be seriously damaged.
11. Operate switches for locking the drive spindle (fig. 1, item 10) only after the device has come to a complete stop, otherwise the spindle may be damaged.

## Disposal



### **WARNING!**

Make used power tools unusable before disposal:

- mains-operated power tools by removing the connecting plug,
- battery operated power tools by removing the battery.



### **For EU countries only**

Do not throw power tools into the household waste! According to the European Directive 2012/19/EC on waste electrical and electronic device and its implementation in national law, used electrical device must be collected separately and recycled in an environmentally friendly manner.

Raw material recovery instead of waste disposal. Device, accessories and packaging should be



recycled in an environmentally friendly manner. Plastic parts are marked for recycling according to type.



### **WARNING!**

Do not throw batteries into household waste, fire or water. Do not open spent batteries. Batteries should be collected, recycled or disposed of in an environmentally friendly manner.

For EU countries only: According to Directive 2006/66/EC, defective or used batteries must be recycled.



### **NOTE**

Please contact your local authority/city for information on disposal options,



***Recycling raw materials instead of waste disposal.***

## Technical data

### Battery unit

Nominal voltage	20 V
Speed	7500 (rpm)
Max. Disc diameter	115/125 mm
Thread diameter	M14x2
Grinding wheel diameter	22.2mm

### Battery charger

Nominal voltage	230 V~, 50 Hz
Nominal power	70W
Charging voltage	20.9 V
Charging current	2.4A
Protection class	II

### Battery pack

Battery type	Li-ion
Nominal voltage	20 V
Capacity	2Ah

## Declaration of Conformity

*Manufacturer/ Producer*

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<b>Designation / name</b>	Angle grinder / E1 20V Cordless Angle Grinder
<b>Type / model</b>	S0M-WYT01-18Li-115, S0M-WYT01-18Li-125
<b>EC directive</b>	2006/42/EC, 2014/30/EU
<b>Applicable standards</b>	EN 60745-1:2009+A11 EN 60745-2-3:2011+A2+A11+A12+A13 EN 55014-1:2006+A1+A2 EN 55014-2:2015

We herewith declare that the above-mentioned machine, due to its design, in the version marketed by us, complies with the basic safety and health requirements of the listed EC directive.

Hereby we declare that the above-mentioned machine meets the essential safety and health requirements of the above stated EC directives. Any manipulation or change of the machine not being explicitly authorized by us in advance renders this document null and void.

Storage of technical documentation: FUXTEC GmbH • Kappstraße 69 • 71083 Herrenberg • Germany, T. Gumprecht, Management

Herrenberg, 17.01.2020



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