P.I.T.
Progressive International Technology

EN PRODUCT PASSPORT
ENJOY'S MANUAL

RU ПАСПОРТ ИЗДЕЛИЯ ИНСТРУКЦИЯ ПОЛЬЗОВАТЕЛЯ

ANGLE GRINDER
УГЛОВАЯ ШЛИФОВАЛЬНАЯ МАШИНА

PWS230-D2

PROGRESSIVE INNOVATIONAL TECHNOLOGY
ПРОГРЕССИВНЫЕ ИННОВАЦИОННЫЕ ТЕХНОЛОГИИ

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Сделано в КИТАЙ/ In China

www.pit-tools.com

GENERAL SAFETY PRECAUTIONS

WARNING IN GENERAL

1. Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.
2. Do not operate the power tool in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.
3. Keep bystanders, children and visitors away while operating a power tool. Distractions can cause you to lose control.

PERSONAL SAFETY

1. Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.
2. Use personal protective equipment. Always wear eye protection. Protective equipment such as dust mask, non-slip safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
3. Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool. Carrying power tools with your finger on the switch or energizing power tools that have the switch on invites accidents.
4. Remove any adjusting keys or wrenches before turning the power tool on. A wrench or a key left in a rotating part of the power tool may result in personal injury.
5. Do not overreach. Keep your footing and balance at all times. This enables better control of the power tool in unexpected situations.
6. Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewelry or long hair can be caught in moving parts.
7. If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of dust collection can reduce dust-related hazards.

POWER TOOL USE AND CARE

1. Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.
2. Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
3. Disconnect the plug from the power source and/or remove the battery pack, if detachable, from the power tool before any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
4. Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.
5. Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
6. Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
7. Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.
8. Keep handles and grasping surfaces dry, clean and free from oil and grease. Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.

SERVICE

1. Your power tool should be serviced only by qualified repair persons using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

ADDITIONAL SAFETY RULES FOR ANGLE GRINDERS

1. Do not use the guard provided with the grinding wheel for cutting purposes. Cutting wheels are intended for removal of material with the periphery of the wheel. Side forces applied to these wheels will cause them to shatter.
2. Do not use grinding wheels that are not recommended for use with this power tool. Grinding wheels not designed for use with this power tool cannot be adequately guarded and are unsafe.
3. Do not use cracked grinding wheels. Cracks in the grinding wheel will cause it to shatter when used.
4. Do not use grinding wheels that require a fluid for cooling. Using water or other liquid coolants may result in electrocution or shock.
5. Do not use abrasive cutting discs for grinding. Abrasive cutting discs are intended for cutting. Grinding with these discs will cause them to shatter.
6. Do not use grinding wheels that are not rated for the power tool. Grinding wheels not rated for the power tool cannot be adequately guarded and are unsafe.
7. Do not use grinding wheels that are not in good condition. Grinding wheels in good condition will rarely break when used.
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EXPLANATION OF P.I.T. TRADEMARK

P.I.T. Progressive International Technology

Currently, 10 kinds of mechanical and electrical products are marketed under the P.I.T. trademark. In terms of sales, angle grinders are the most popular product.

Each letter and number in the designation of the model of P.I.T. angle grinders has the following meaning:

For example: **PWS230-D2**

P: Trademark of P.I.T.
WS: angle grinder
230: disk diameter
D2: modification series

PRINCIPLE OF OPERATION

The principle of operation of an angle grinder is the rotation of the disk by the motor through the nozzle through gears. One of the basic elements of AG is the attachment (which, in fact, is the main tool). The type of work is determined by the mode of operation of the tool and the type of attachment.

PATENTED USE

The angle grinder is designed for grinding and cutting of metal, concrete, ceramics, stone and other similar materials, polishing and sanding or stripping of surfaces. Both all types of grinding, polishing, sanding, cutting, stripping, and wire and stainless, corrosion-resistant brush for masonry or grinding, polishing, cutting.

PRODUCT SPECIFIC LETTERS

MODEL						
PWS230-D2	230	2000W	2200 W	6500 rpm/min	230 mm	4.5

FUNCTIONAL CAPABILITIES AND FEATURES OF THE ANGLE GRINDER

Functional Capabilities:

Cutting, grinding of different metals, stones, steel.

Features:

- Cylindrical steel engine, has a high degree of resistance to breakage and high capacity with low weight.
- Working capacity, the angle grinder is ready for work, the tool is ready immediately after turning on.
- Gears, output shaft are made of high-quality alloy steel with the use of advanced heat treatment and chemical hardening, have high wear resistance.
- The self-lubricating gear ensures the safe work for the operator.
- The increased power provides a more significant increase and faster speed.

MODEL	PWS230-D2
Rated voltage	220-240V~ 50Hz
Rated input power	2000W
Power output	1200W
Rated speed	6500 rpm/min
Disk diameter	230 mm
Spindle thread	M14
Weight	4.5 kg
Dimensions	370x120x70 mm
Protection class	II
Noise level	93 dB
Vibration level	6.5 m/s²
Cable length	2.5 m

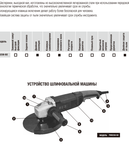
ANGLE GRINDER ASSEMBLY

TRANSMISSION

ROTOR

STATOR

PRINTED CIRCUIT BOARD



ASSEMBLY

PLUGS

MOTOR COVER

GEARBOX

SPINDLE

SWITCH WITH A TOGGLE NUT

CAPS

CABLE WITH A PLUG

V. WARRANTY CARD

Product Name	
Product Model	
Purchase Date	
Seller Name	
Seller Address	
Customer Name	
Customer Address	
Contact Person	
Contact Phone	
Product Fault Description	
Repair Date	
Repair Content	
Repair Personnel	
Next Maintenance Date	

Seller's Stamp