

PowerG[®]

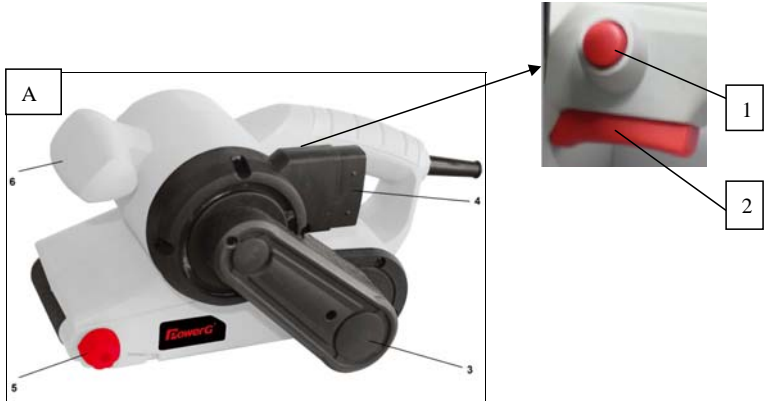
720W Belt Sander

PG720BS




Manufacturer: SUMEC Hardware & Tools Co., Ltd
1# Xinghuo Road, National level Nanjing High-Tech Zone,
Nanjing 210061 P.R. China













TECHNICAL DATA

Belt Sander	PG720BS
Rated voltage/ Frequency	230-240V~50Hz
Rated input power	720W
No-load speed	250m/min
Dimension	76x457 mm
Sound pressure level	$L_{pA}=89.2\text{dB(A)}$ $K_{pA}=3.0\text{ dB(A)}$
Power sound level	$L_{wA}=100.2\text{ dB(A)}$ $K_{wA}=3.0\text{ dB(A)}$
Vibration	$a_v=4,805\text{m/s}^2$ $K=1,5\text{ m/s}^2$
Protecting class	II / 

DESCRIPTION OF SYMBOLS

Please read all of the safety and operating instructions carefully before using this tool. Please pay particular attention to all sections of this User Guide that carry warning symbols and notices.

	Read instruction manual!
	Observe caution and safety notes!

V	Voltage
W	Watts (Effective power)
n_0	No-load speed.
	Protect electrical power tool from moisture!
	Caution – electric shock! Danger to life!
	Check that the device, mains lead and plug are in good condition!
	Safety class II
	Wear hearing protection, dust protection mask, protective glasses and protective gloves.
	Dispose packaging and appliance in an environmentally -friendly way!

GENERAL SAFETY INSTRUCTIONS



WARNING!

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

injury.

Save all warnings and instructions for future reference.


1) Work area safety

- a) **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- b) **Do not operate power tools 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.
- c) **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

2) Electrical safety



To avoid danger to life from electric shock:

- a) **The mains plug on the device must match the mains socket. The plug must not be modified in any way. Do not use an adapter plug with devices fitted with a protective earth.**
Unmodified plugs and matching sockets reduce the risk of electric shock.
- b) **Avoid touching earthed surfaces such as pipes, radiators, ovens and refrigerators with any part of your body.** There is an increased risk of electric shock if your body is earthed.
- c)  **Keep the device away from rain or moisture.** Water entering an electrical device increases the risk of electric shock.
- d) **Do not use the mains lead for any purpose for which it was not intended, e.g. to carry the device, to hang up the device or to pull the mains plug out of the mains socket. Keep the mains lead away from heat, oil, sharp edges or moving parts of the device.** Damaged or tangled mains leads increase the risk of

electric shock.

- e) **When working outdoors with an electrical power tool always use extension cables that are also approved for use outdoors.**
The use of an extension cable suitable for outdoor use reduces the risk of electric shock.
- f) **Use a residual current device (RCD) for protection if operating the electrical power tool in a moist environment is unavoidable.**
The use of an RCD reduces the risk of electric shock.

3) Personal safety

- a) **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.
- b) **Use personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- c) **Avoid unintentional operation of the device. Check that the electrical power tool is switched off before you connect it to the mains, pick it up or carry it.** Accidents can happen if you carry the device with your finger on the ON / OFF switch or with the device switched on.
- d) **Remove any setting tools or spanners before you switch the device on.** A tool or spanner left attached to a rotating part of a device can lead to injury.
- e) **Avoid placing your body in an unnatural position. Keep proper footing and balance at all times.** By doing this you will be in a better position to control the device in unforeseen circumstances.
- f) **Wear suitable clothing. Do not wear loose clothing or jewellery.**

Keep your hair, clothing and gloves clear of moving parts.

Loose clothing, jewellery or long hair can become trapped in moving parts.

- g) If vacuum dust extraction and collection devices are fitted do not forget to check that they are properly connected and correctly used.** The use of these devices reduces the hazard presented by dust

- c) Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- d) Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- e) 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.
- f) 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.

- 4) tool use and care**
 - a) Do not force the power tool. Use the power tool correctly for your application.** The correct use will do the job better and safer at the rate for which it was designed.
 - b) Do not use the power tool if the on/off switch is not working correctly .** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
 - c) Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments,**

changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.

- d) 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.
- e) 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.
- f) Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- g) 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.

SPECIAL SAFETY RULES FOR BELT SANDER



Danger of fire from flying sparks !

- a) Sanding metal creates flying sparks.** For this reason, always make sure that nobody is placed in any danger and that there are no inflammable materials near the working area.
- b) When undertaking prolonged sanding of wood, and in particular when working on materials that give rise to dusts that are**

hazardous to health, the sander must be connected to a suitable external dust extraction device.

- c) Ensure that there is adequate ventilation when working on plastic, paint, varnish etc.
- d) The belt sander is designed for the dry sanding of large surfaces of wood, plastic, metal and plastic and painted surfaces. The device is to be used for dry sanding only.
- e) Do not sand materials containing asbestos. Asbestos is a known carcinogen.



Warning! POISONOUS DUSTS!

Sanding paints containing lead, some types of wood and metal for example may give rise to hazardous or poisonous dusts and represents a risk to the health of the person operating the device and to anyone near the work area.



Wear safety glasses and a dust protection mask!

- f) Securely support the workpiece. Use clamps or a vice to grip the workpiece firmly. This is much safer than holding it with your hand.
- g) Never support yourself by placing your hands near or in front of the device or the workpiece surface. A slip can result in injury.
- h) If a dangerous situation arises, pull the mains plug immediately out of the mains socket.
- i) Always work with the mains lead leading away from the rear of the device.
- j) Avoid contact with the moving sanding belt.
- k) Do not work on moistened materials or damp surfaces.
- l) Always switch on the device before placing it against the workpiece. After sanding, lift the device from the workpiece before switching it off.

- m) When working always hold the device securely with both hands. Always keep proper footing and balance.
- n) Switch the device off and allow it to come to a complete standstill before you put it down.
- o) When taking a break from your work, before carrying out any tasks on the device itself (e.g. changing the sanding belt) and when you are not using the device, always pull the mains plug out of the mains socket.

5) Service

- a) **Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.

APPLICATION

Intended Use

The belt sander is designed for dry sanding of large surfaces of wood, plastic, metal, plaster and painted surfaces. The device may only be used for dry sanding. Always use a sanding belt and grade of grit suitable for the particular surface you are sanding. The speed selected should also be appropriate for the material. The device is not intended for commercial use. Any other use or modification to the device shall be considered as improper use and could give rise to considerable dangers. The manufacturer will not accept liability for loss or damage arising from improper use.

Check the delivery parts

Carefully remove the machine from its packaging and check as the

following parts are complete:

--Belt sander

--1 Dust bag

--1pc sanding sheet

--Operating instruction

If any parts are missing or damaged, please contact with your dealer.

Product Features

The numbering of the product features refers to the illustration of the machine on the graphics page (Pic. A,B)

1 Locking knob

2 ON / OFF switch

3 Belt cover

4 Dust extraction spout

5 Belt adjuster screw

6 Auxiliary handle

7 Tensioning lever

8 Dust collection bag

The accessories illustrated or described are not included as standard delivery.

Before operation

Take note of the mains voltage. The mains voltage at the mains socket must match that shown on the rating plate on the device. Make sure that the device is switched off before you connect it to the mains supply.

Tensioning / changing the sanding belt



Warning! Before you carry out any work on the belt sander always pull the plug out of the mains socket.

a) Release the tensioning lever 7 for the sanding belt by moving the tensioning lever 7 fully outwards. The tensioning lever 7 is now open and the sanding belt can be removed.

b) Insert a new sanding belt or change the belt for one suitable for a different material or one with a different grit size.

Note: The direction of the arrows on the inside of the sanding belt must agree with that on sander housing.

b) Press the tensioning lever 7 back into its initial position.

Adjusting the sanding belt

a) Pick up the device, switch it on and turn it over. Adjust the belt tracking by turning the adjuster screw 5 until the edge of the sanding belt is flush with and runs parallel to the edge of the device.

Note: Always make sure that the sanding belt does not cut into the housing.

Check the sanding belt regularly and if necessary re-adjust it using the adjuster screw.

Fitting dust bag 8

Connect the dust bag 8 to the dust extraction spout 4 until it is firmly fitted. (Pic. C)

C



Warning ! Danger of fire!

There is the danger of fire when working with electrical devices that have a dust box or can be connected to a vacuum cleaner. Under certain conditions the wood dust in the dust extraction bag (or in the dust bag) may ignite, e.g. as a result of flying sparks generated when abrading metals or metal objects left in wood. This can happen particularly if the wood dust is mixed with paint residue or other

chemicals and the abraded particles are hot from prolonged abrasion. Therefore you must empty the device's dust collection box before taking a break or stopping work and always avoid overheating of the abraded particles and the device.



Wear a dust mask!

Operation

Switching on and off

When operating the belt sander you can select between intermittent or continuous operation mode.

For short sanding tasks use the intermittent operation mode. For longer sanding tasks we recommend the continuous operation mode. Whilst working in your selected mode the device functions as follows:

To switch on intermittent operation mode:

Press the ON / OFF switch.

To switch off intermittent operation mode:

Release the ON / OFF switch.

To switch on continuous operation mode:

Press the ON / OFF switch, and keep it pressed, then press the locking knob.

To switch off continuous operation mode:

Press and then release the ON / OFF switch.

Sanding procedure

With the sander switched on, bring it into contact with the workpiece and move it forward carefully. Work in parallel and overlapping widths.

Always work in the direction of the grain to avoid undesirable transverse

sanding marks.

After sanding always lift the device from the workpiece before switching it off.

Advice on use

Light sanding pressure is enough: Apply light sanding pressure only.

The weight of the belt sander alone is adequate to produce good sanding results. By adopting this approach you will also prolong the life of your sanding belts and obtain a smoother workpiece surface.

Sanding and surfaces:

The sanding output and the quality of the surface finish obtained are determined by the belt speed and the grade of grit on the sanding belt.

Maintenance and cleaning



Warning ! Before you carry out any work on the belt sander always pull the mains plug out of the mains socket.

The belt sander is designed to be maintenance-free.

- a) Clean the device frequently. This should be done immediately after you have finished using it.
- b) Use a dry cloth to clean the device - never use petrol, solvents or cleaners that attack plastic.
- c) Always keep the ventilation slots clear.
- d) Remove any adhering dust with a narrow paint brush.

Do not dispose of electrical appliances with your domestic waste!



- 1) The packaging comprises exclusively environmentally-friendly material. Dispose of it in your local recycling containers.
- 2) Take the battery to your nearest authorized service center

or distributor that has been designated as a battery recycling location.

Guarantee and Service

This product is guaranteed for 1 year from the original date of purchase, the guarantee applies to material and production defects. This warranty is not valid without the original dated receipt of purchase.

If the product shows defect as a result of material and production defects during the period of guarantee, providing that the product has been used properly and for the purpose which it has been intended, then faulty products will either be replaced or refunded.

The guarantee does not cover accidental damage or misuse.

This product must be used in accordance with the instructions contained in this manual.

The guarantee will be rendered invalid if the product has been damaged by unauthorised repairs or resold.

Accessories are not covered by the guarantee.

If you have any problems or questions concerning the product, please contact our customer helpline on 0844 856 0793.

SUMEC

Declaration of Conformity

We,

SUMEC Hardware & Tools Co.,LTD

1# Xinghuo Road, National level Nanjing High-Tech Zone,

Nanjing 210061 P.R. China

Declare that the product

Belt Sander

Model No. PG720BS

Complies with the essential safety and health requirement of the following directives:

2006/42/EC

2004/108/EC

2006/95/EC

Standards and technical specification referred to:

EN55014-1:2006

EN55014-2:1997+A1:2001+A2:2008

EN61000-3-2:2006

EN61000-3-3:2008

EN60745-1:2009

EN60745-2-4:2009

Authorized Signatory

Date: 01.01.2010

Signature:

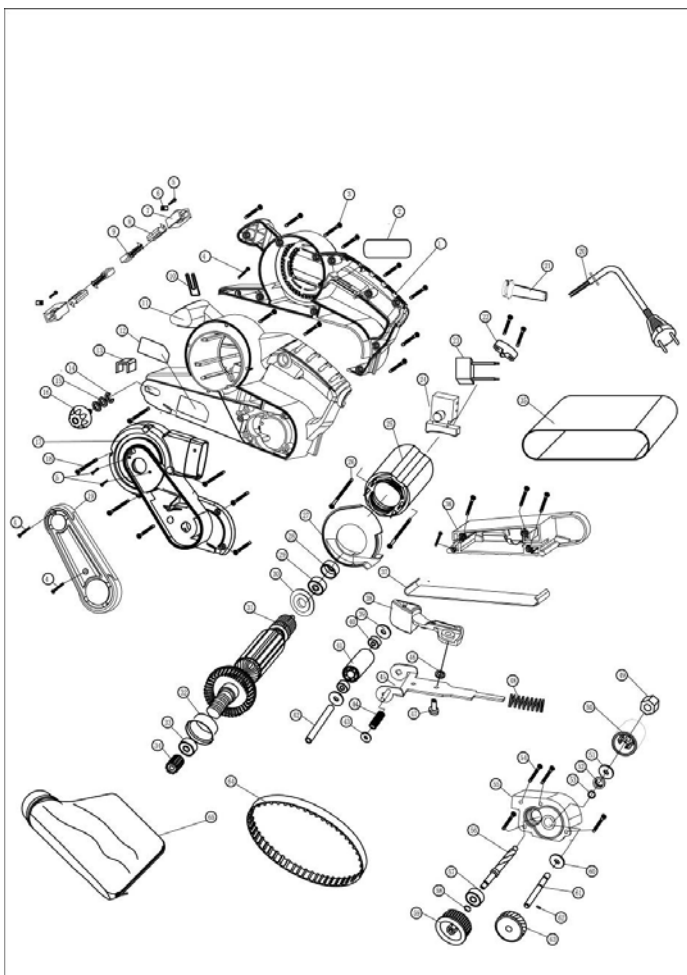
Cai Ji Bo

Name: Cai Jibo

General Manager

SUMEC Hardware & Tools Co.,LTD





Ref.	Description	Ref.	Description
1	Right housing	34	Small-belt-wheel
2	Label	35	Sanding belts76X457
3	Screw ST4.1X16	36	Clamping
4	Screw ST2.9X16	37	Cover board
5	Screw ST2.9X10	38	Wrench
6	Brush frame clip	39	Plain washer
7	Carbon brush frame	40	Bearing698
8	Brush holder	41	Rotating wheel
9	Carbon brush	42	Axis
10	Retaining block	43	Plain washer
11	Mid housing	44	Spring
12	Main name plate	45	Retaining
13	U-shape tiles	46	Plain washer
14	Open circlip	47	Rivet
15	Plain washer	48	Big spring
16	Adjustable speed screw	49	Nut M8X1
17	Left housing	50	Rear wheel
18	Screw ST4.1X22	51	Washer
19	Belt cover	52	Washer
20	Cable	53	Shaft circlip
21	Cable sleeve	54	Screw ST4.1X16
22	Cable clip	55	Aluminium retaining
23	Capacitor	56	Helical gear
24	Switch	57	Bearing 627-2Z
25	Stator	58	Spring washer
26	Screw ST4.1X45	59	Big-belt-wheel
27	Ventilation ring	60	Adjust-washer
28	Damping ring	61	Shaft

29	Bearing626-2Z	62	Former Axis
30	Insulation sheet	63	Big gear
31	Rotor	64	Synchronization belt
32	Bearing cover	65	Dust bag
33	Bearing608-RS		

720W Belt Sander
PG720BS

PowerG[®]

Sumec Europe GmbH
Hanns-Martin-Schleyer-Str.18a
47877 Willich, Germany
Helpline: 0844 856 0793