

SPECIFICATIONS

Model
 Power input
 No load speed
 Flexible backing pad
 Spindle thread
 Spindle thread length
 Weight (without accessories)
 Safety class acc. EN 50144

**PM 2000**

2000 W
 2750 min⁻¹
 Ø 175 mm
 M14
 20 mm
 4,3 kg
 II

PM 2000E

2000 W
 800-2750 min⁻¹
 Ø 175 mm
 M14
 20 mm
 4,3 kg
 II

This power tool is supplied from single-phase alternating current mains. It is double insulated according to EN 50144 and IEC 60745 and can be connected to grounded or not grounded sockets. This power tool is radio suppressed in compliance with EN 55014-1, EN 55014-2, EN 61000-3-2, EN 61000-3-3 for radio interference.

DESIGNATION

This power tool is designed for rough and fine dry grinding, refurbishing and brushing, polishing and rubbing all kinds of surfaces at optimum chosen rotation speed.

MAIN COMPONENTS

1. Spindle
2. Flexible backing pad
3. Lock nut
4. Auxiliary handle
5. ON/OFF switch
6. ON/OFF switch locking button
7. Spindle lock button
8. Sandpaper disc
9. Thumbwheel for electronic speed preselection (PM 2000E)

ACCESSORIES TO BE USED WITH THIS POWER TOOL

Wire brush
 Sandpaper Ø180 mm
 Polishing bonnet



**FOR YOUR SAFETY
 READ BEFORE USE!**

**Attention, dangerous operation!**

The small particles separated from the machined piece, as well as touching rotating parts of the power tool could cause severe physical injuries, and noise loading from continuous operation could damage the operator's hearing if the below-mentioned requirements and those in the enclosed Safety Instructions are not observed.

**Safety operation instructions and precautions**

Before starting to operate the power tool, always check the following:

- Make sure power supply voltage corresponds to the value indicated on the name plate with technical data of the tool.
- Always check the position of ON/OFF switch. The machine must be connected to the power supply socket only when this switch is in OFF position.
- Make sure the cord and the plug are in order. In case the supply cord is damaged, it must be replaced with a special cord or assembly, available from the manufacturer or its service agent, in order to avoid hazard due to the replacement.



**DURING CARRYING OUT ANY WORK,
PLEASE DO OBSERVE THE FOLLOWING
SAFETY REQUIREMENTS:**



Never operate the machine without goggles!



Always wear ear defenders (antiphones)!



Always wear dust-proof mask!

- Always use the auxiliary handle and hold the machine with both hands.

- Wear protective gloves and stable footwear. Wear an apron if necessary.

- Strictly observe manufacturer's directions for mounting and utilization of the polishing and sanding tools.

- This power tool is designed for dry sanding only.

- Do not process materials containing asbestos.

- Do not fasten the machine in a vice.

- The polishing tool should be properly mounted and should rotate freely. Perform a trial test for at least 30 sec at no load. Do not use damaged, non-circular or vibrating polishing or sanding tools.

- Before starting to operate, check the type of fixing and the maximum number of revolutions of the used tool.

- Guide the machine towards the processed material only if the machine is switched on.

- Protect the sanding accessories from shocks and grease. Do not use damaged or worn out accessories for polishing and fine sanding.

- Fasten the pad only by a special wrench, using the original lock nut.

- Keep your hands away from rotating tools.

- Observe the direction of rotation. Always guide the machine in such a way that sparkles and dust can scatter away from your body.

- Never switch on the machine under load, and leave it down only after final rotation stop.



The polishing/sanding accessory is still rotating even after the machine has been switched off.

- Do not apply side pressure to stop the pad rotation after switching the machine off.

- In order to prevent involuntary restarting, release the ON/OFF switch immediately (in OFF position) at mains drop out or if the plug is withdrawn.

- Keep the cord away from the working area of the pad.

- Fix the machined piece in vice or in another appropriate way.

- Never mount circular blades or grinding wheels.

- Use only accessories corresponding entirely to the processed material.

- Unplug the machine prior to any adjustment, repair, maintenance or in case of mains drop out.

- This power tool must not be used outdoors in rainy weather, in moist environment (after rain) or in close vicinity with easily flammable liquids and gases. The working place should be well lit.

- Noise emission and vibration values

The values, typical for the device, measured in accordance with EN 50144 are:

Sound pressure level	- 91 dB(A)
Sound power level	- 104 dB(A)
Weighted acceleration	- 2,2 m/s ²

OPERATING DIRECTIONS

Switching on - switching off

The polisher is secured against unintentional switching on.

Switching on: first press the auxiliary button 6 placed at the upper side of the grip handle, and then press the main lever of switch 5.

Switching off: release switch 5; in case the switch is locked, first press and then release that switch.

Selection of rpm value (PM 2000E)

Preselect the speed with thumbwheel 9, acc. Table 1.

Mounting the polishing/sanding tools (accessories)

Secure spindle 1 by depressing the spindle lock button 7, provided on the gear case.



Never press button 7 while the spindle is still rotating!

Flexible backing pad 2

Mount the flexible backing pad 2 with sandpaper 8 onto the spindle 1.

Screw lock nut 3 and tighten it by the lock nut wrench.

In case the flexible backing pad is equipped with a flange nut, the pad is screwed directly onto the spindle by a wrench without using lock nut 3.

The pad with flange may be a resin filled sponge, foam polyurethane sponge with plastic insert for the nut with hook-and-loop fastening to the sandpaper or the bonnet.



Use only pads with undamaged hook-and-loop system. Before starting to operate the tool, ensure the hook-and-loop system is not damaged by misuse.

After replacing the pad perform a trial run for at least 30 sec at no load.

Vibrating or otherwise improperly rotating pads must be replaced immediately.

Cup/wheel wire brush

The machine can be operated with cup/wheel wire brush with thread 114.

Screw the cup/wheel wire brush onto the spindle 1 and tighten it by the wrench.

Lamb wool-polishing bonnet

Place the lamb wool-polishing bonnet on the rubber backing pad and check the correct distribution of the bonnet. Fix the bonnet on the pad by the cord. Push the cord ends inside the bonnet.

Felt polishing wheel

The machine can be used with felt polishing wheel. Screw the felt-polishing wheel with flange onto the spindle 1.

Mounting the auxiliary handle

The auxiliary handle must be always mounted on the machine during any operations with the power tool.

The auxiliary handle must be fastened to the gear box by both screws M14, tightened onto the initially placed retaining washers with the spanner (delivered with the machine).

Recommendations

When sanding and polishing do not apply pressure to the processed surface by rearing down on the machine but move the pad smoothly.

Maintenance and repair

Always keep the machine and the ventilation slots clean for best results and safe operation.

Clean the rotor casing through the ventilation slots with compressed air to ensure effective motor cooling and faultless operation.

These models power tools do not require any special maintenance. Any work on the machine, save backing pad replacement must be accomplished by authorised experts in authorised service centres for warranty and post-warranty servicing of SPARKY power tools.

Warranty

The guarantee period for SPARKY power tools is determined in the guarantee card.

Faults due to normal wear, overloading or improper handling will be excluded from the guarantee.

Faults due to defective materials implemented as well as defects in workmanship are to be corrected free of charge through replacement or repair.

The complaints for defective SPARKY power tools will be recognised if the machine is sent back to the









Environmental Protection

The machine, accessories and packaging should be sorted for environmental-friendly recycling.

These instructions are printed on recycled paper manufactured without chlorine.

The plastic components are labelled for categorised recycling.

Table 1

	Materials	Application	Accessories	Thumbwheel position
	Painted and arnish coated surfaces Wood Plastics Stone	Operation with polishing paste Brilliance polishing	Lamb wool-polishing bonnet	A, B
	Plastics Stone Non-ferrous metals	Polishing	Felt polishing wheel	C
	Plastics Wood Non-ferrous metals	Smoothing surfaces	Flexible backing pad with sandpaper	E, D
	Metals Wood	Paint removal	Flexible backing pad with sandpaper	F
	Metals Wood	Rust removal Brushing	Cup or wheel wire brushes	F
	Wooden profiles Window frames	Re-sanding	Cup wire brushes	G