

# **MOBILE BELT GRINDER PASOVEC 75 RUNNER**

**Purchase order No. 1300 – 400 V / 60 Hz**

**Purchase order No. 13001 – 480 V / 60 Hz**

**Purchase order No. 13002 – 220 V / 60 Hz**



## **Operating manual**

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**Always read the operating instructions carefully before use**

## 1. General information

Thank you for purchasing one of our machines and we hope you will be fully satisfied with it.

This manual contains all the instructions for installing, adjusting, operating and maintaining the PASOVEC 75 RUNNER in accordance with applicable safety standards.

**The information and data in this manual may be subject to change as a result of further machine upgrading. To resolve any doubts, please contact N.KO Machines in case of discrepancies.**

Never perform any operations on the machine before you read and understand the instructions in the manual. Lots of accidents that occur at the workplace are caused by not following the guidelines and recommendations contained in the manual.

Graphical symbols in this manual are used to highlight important information about the safety and operation of the machine.



**Attention:**

**Important information for the operator's personal safety.**



**Important:**

**Instruction to be followed to ensure the proper operation of the machine.**

## 2. Description of the PASOVEC 75 RUNNER machine

**The mobile belt grinder PASOVEC 75 RUNNER only is designed for the following activities:**

The mobile belt grinder PASOVEC 75 RUNNER is designed for grinding at a workshop or a production hall.

This is a hand-driven machine. Only use the machine in an environment protected from rain, snow and other adverse weather conditions.

**Mobile belt grinder PASOVEC 75 RUNNER** - Mobile sander PASOVEC 75 RUNNER – the special belt grinder developed for flat grinding applications.

Particularly for grinding of the welds in the material surface and further for removal of the undesirable layer resulting from the rolling of metal sheets or after metal sheet cutting by means of plasma or oxygen.

The machine has a stable chassis, a quick adjustment mechanism and a depth stop for precise grinding depth adjustment.

- Continuous grinding depth adjustment
- System for the quick working mode deactivation
- The workplace of flat grinding of small workpieces
- Low operating costs

#### **Purchase order No.**

**1300** – 400 V / 60 Hz

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**13002** – 220 V / 60 Hz

### **3. Identification data**

The identification data of the PASOVEC 75 RUNNER mobile grinder are listed on the label attached to the machine body.

### **4. Tests**

The PASOVEC 75 RUNNER mobile grinder is tested in our technical testing room.

During this test the correct function of the machine is tested.

### **5. Warranties**

The seller provides for the PASOVEC 75 RUNNER mobile belt grinder the warranty that the goods will be free of any material and manufacturing defects for the period of 12 months from the date of the goods delivery.

The warranty of the perfect operation of the goods and the used materials is 12 months from the date of the goods delivery.

The seller undertakes to remove any defects covered by the warranty free of charge and without undue delay so that the buyer can properly use the goods. If the buyer applies the rights of liability for defects not covered by the warranty, he shall pay to the seller any costs associated with the warranty.

## **The manufacturer considers the warranty invalid in the case of:**

- machine misuse.
- use contrary to national or international standards
- incorrect installation
- faulty power supply
- serious maintenance deficiencies
- unauthorized modifications or interventions
- Using other than original and factory-approved spare parts and accessories for the model in question
- Complete or partial non-compliance with the instructions in this manual
- exceptional events, natural calamities, or others.

## **6. Safety regulations**



### **Attention:**

#### **To avoid injury, observe the following**

Before starting work make sure the machine is not mechanically or otherwise damaged.

**Only operate the machine if the power cord is not damaged. Regularly check the condition of the machine and the supply cable.** In the event of damage, have it replaced immediately by a workshop authorized to carry out such repairs. Contact your supplier.

The employer is obliged to inform operators about safety standards and make sure that they are complied with. Make sure the work space is large enough and well lit.

"Operator" means a person who installs, operates, adjusts, maintains, cleans and repairs the machine.



### **Attention:**

**Prior to work commencing the operator must become familiar with the machine's features and must read this entire manual.**



### **Attention:**

When working with the machine, take increased care and wear safety aids for safe work.

## **Operator (s) must always:**

1. Make sure before the machine starts that all safety covers are mounted and that the safety devices are functional.
2. Avoid wearing the type of clothing or jewellery that might be caught in moving parts.
3. Wear approved safety clothing, such as footwear with non-slip sole, hearing protectors, and safety goggles.
4. Apply safety standards, see that they are always upheld, and in case of any doubts, look again in this manual before taking any action.
5. Contact the machine supplier if the defects that cause the machine to malfunction cannot be remedied when the defects relate to faulty parts or irregularities.

## **Safety device**

The machine is equipped with an emergency button. It is red, and stops the machine immediately before all other operations.

This emergency button is used:

- To turn off the machine
- In case of immediate danger or mechanical accident



## **Remaining risks**

The machine has been designed and manufactured with all the equipment and equipment to ensure the health and safety of the operator.

The machine is designed in such a way that the risk of contact with movable parts is as low as possible.

## 7. Technical specification

	PASOVEC 75 RUNNER
Voltage (V)	400 V (220 V, 480 V)
Frequency (Hz)	60 Hz
Motor(kW)	3 Kw
Belt speed (m/s)	30 m/s
Size of grinding belt (mm)	75X2000 mm
Weight (kg)	70 kg
W x H x L (mm)	610x944x1419 mm

## 8. Accessories

### **Purchase order No. BELT STANDARD ZK75X2000**

Universal grinding belt 75x2000mm, grain optional 36, 60, 80 or 120 (package of 10 pcs)

### **Purchase order No. PAS top Quality XK75X2000**

TOP Quality grinding belt is designed for grinding stainless steel 75x2000mm, optional grain 36, 60, 80 or 120 (package of 10 pcs)

## 9. Device unpacking

Unpack the machine from a wooden box and check that everything is OK and the machine is undamaged. If you have any questions, please contact your reseller.

### **Mobile belt grinder PASOVEC 75 RUNNER is supplied:**

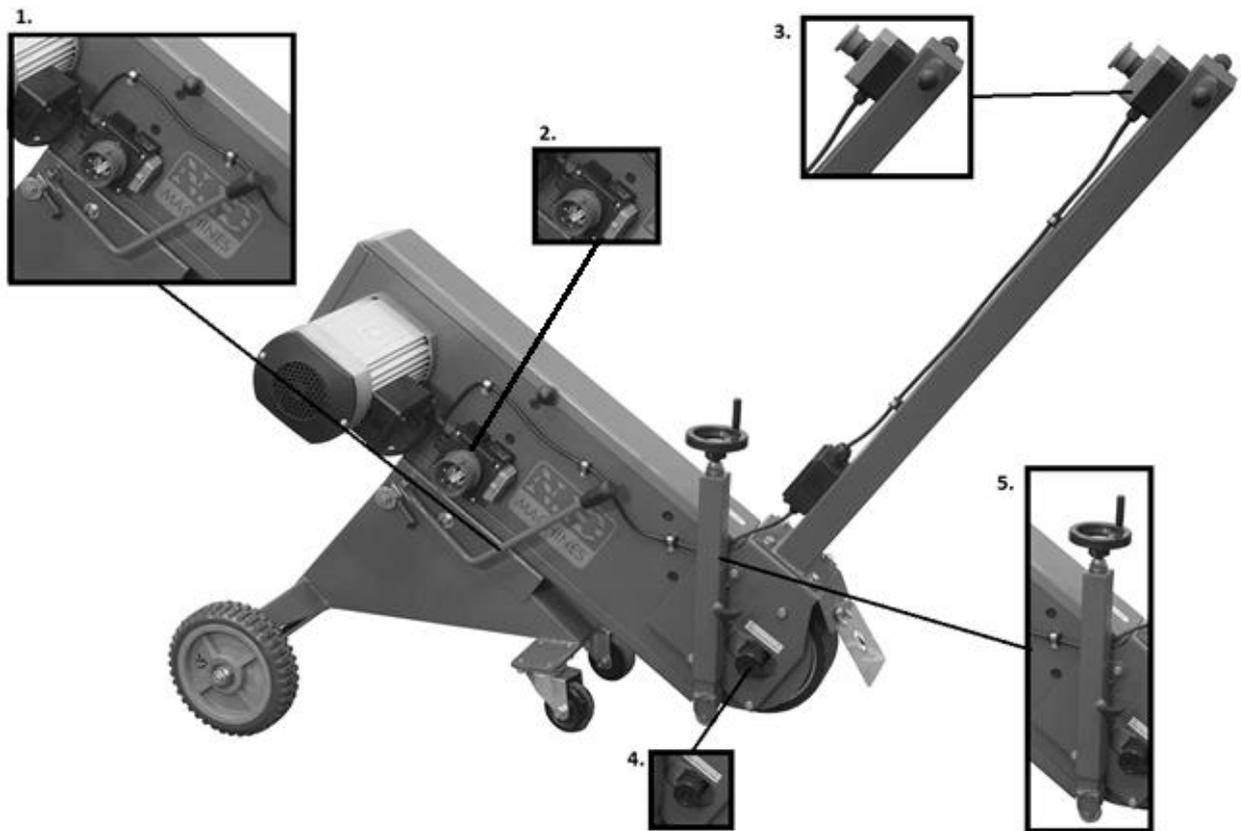
Belt grinder PASOVEC 75 RUNNER

Packed in the wooden box

1 pc of the grinding belt, grain 80

Operation manual

## 10. Controls of the mobile belt grinder PASOVEC 75 RUNNER

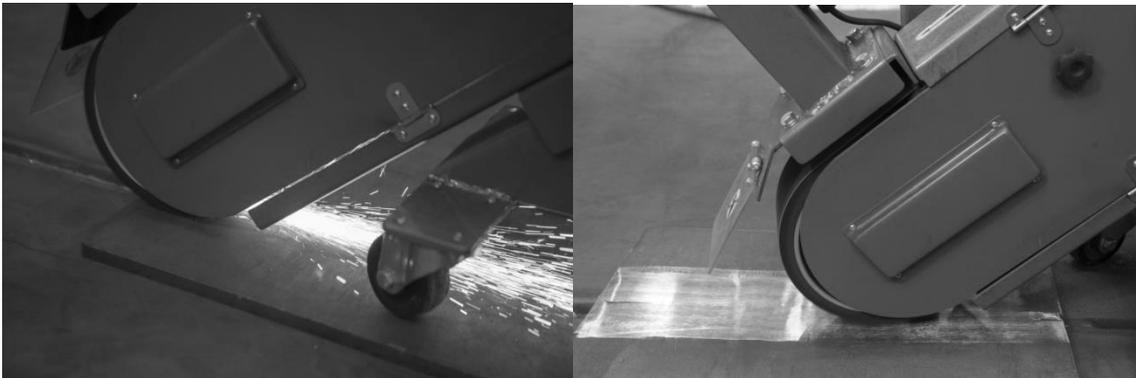


1. Securing the machine in the non-working position (transport mode)
2. Power supply connection and ON/OFF control
3. Emergency switch
4. Belt centering mechanism
5. Removal adjustment mechanism

## 11. Use

Always unplug the power supply before adjusting the machine.

1. Release the mechanism lever to secure the machine in the transport position (pos. 1)
2. Using the removal adjustment mechanism (pos.5), ensure that the contact wheel with the abrasive belt is slightly touching the material. Set the removal mechanism adjustment before using the machine to the position so that it has sufficient power for subsequent removal adjustment.
3. Re-secure the machine lock lever in the transport position (pos.1)
4. Connect the appliance to the power supply (pos. 2). Before connecting to the power supply (pos. 2), always make sure that the device is not damaged.
5. Press the green button to start the device
6. Set the desired removal depth. Hold the device behind the control handle to prevent the machine from starting spontaneously. Start with the less removal and gradually increase the value until the machining depth matches your requirement or working with the machine is still comfortable.
7. Hold the control handle firmly and press the machine in front of you to start the grinding process.
8. Adjust the size of the removal as required, see point number 2.
9. When finished, turn the appliance off with the red button and disconnect it from the power supply.



### **Attention:**

**When adjusting, use gloves and other personal protective equipment. The operations must be performed on the machine at rest and after disconnection from the power supply.**

## 12. Maintenance and operation



- Before starting maintenance, disconnect the power supply from the socket first. Adjustment, lubrication and maintenance must be carried out when the machine is completely at rest.

Pay attention to the maintenance of the drive and contact wheel. Monitor their wear and weighing. Remove dirt. Regularly clean and maintain the cleanness of the outside of the grinder and remove the shredded material and dust from the outlet and the inside of the grinder.



### **Important:**

**Pay the increased attention to the wear of the graphite pad on the flat grinding surface. In case of its wear, excessive friction occurs and overloading and consequent damage to the machine may occur.**

### **Belt replacement**

We only can achieve satisfactory grinding results when using a completely clean grinding belt. Otherwise, the belt must be replaced.

This can be done by unlocking the handle of the eccentric mechanism that tensions the belt. After removing the grinding belt and replacing it with the new one return the eccentric handle to its original position.

Proceed as follows:

- Switch off the machine.
- Make sure that the belt is completely at rest.
- Use the Allen key to open the side cover.
- Loosen the belt using the belt tension lever.
- Replace the belt.
- Check the condition of the graphite pad on the flat grinding surface
- Tension the belt using the belt tension lever.
- Close and secure the side cover.



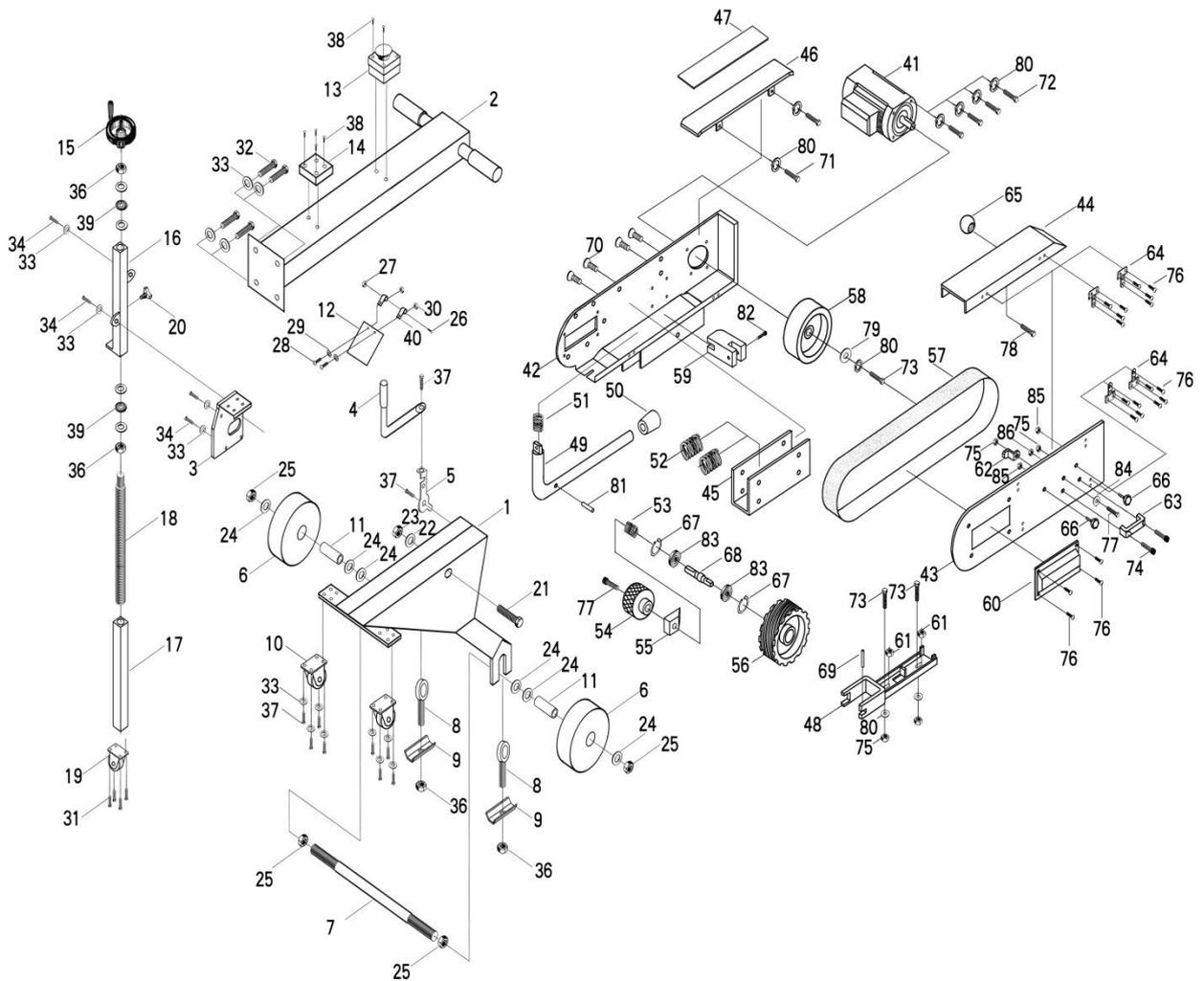
## 13. Spare parts and accessories

Purchase orders for spare parts must contain the following information:

- Machine type
- Serial number
- Description of the required part and its number
- Quantity

### 13.1 List of spare parts

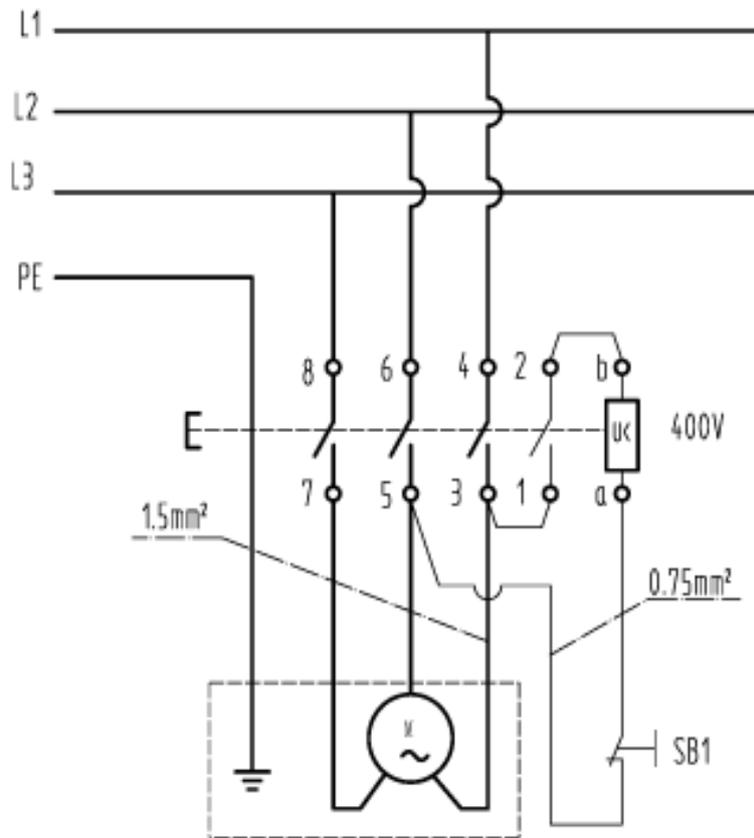
Purchase order numbers of parts: 1300\_...



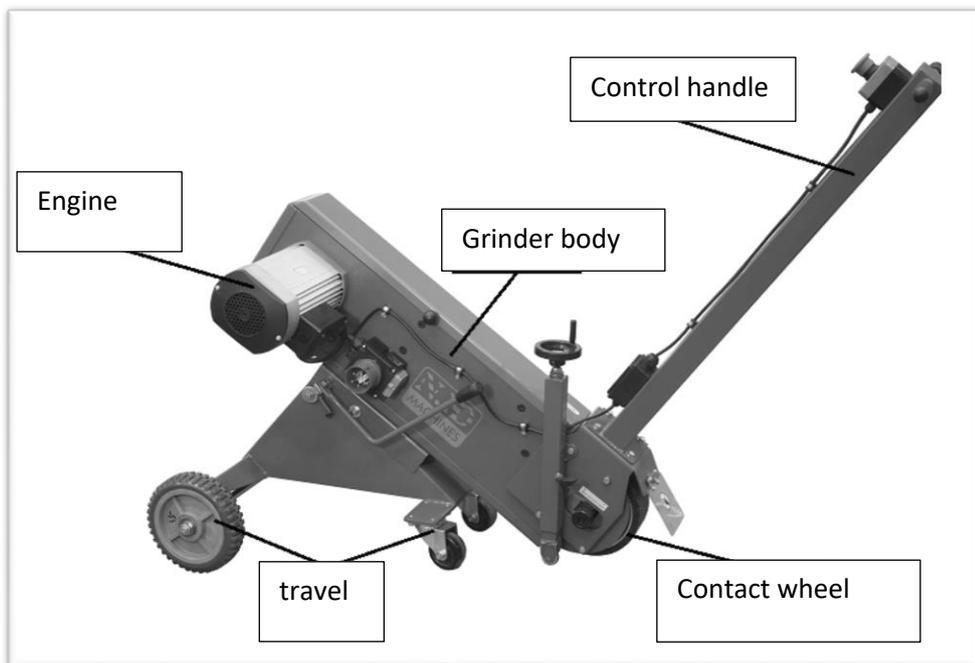
PART NO.	DESCRIPTION	QTY	REMARKS	PART NO.	DESCRIPTION	QTY	REMARKS
1	SUPPORT ASSEMBLY	1		46	SUPPORTING PLATE	1	
2	JOYSTICK	1		47	BLACK LEAD PLATE	1	
3	FIFTH WHEEL	1		48	BEIVEN WHEEL GUIDE	1	
4	HANDLE	1		49	HANDLE	1	
5	HANGER BEARING	1		50	TAPER KNOB	1	
6	WHEEL	2		51	SPRING	1	
7	WHEEL AXLE	1		52	TENSION SPRING	2	
8	PULL RING	2		53	SPRING	1	
9	REGULATING PLATE	2		54	HANDWHEEL	1	
10	MECANUMWHEEL	2		55	WEDGE LOCK	1	
11	DISTANCE SLEEVE	2		56	DRIVEN GEAR	1	
12	GOBE	1		57	ABRASIVE BAND	1	
13	MAIN SWITCH	1		58	DRIVING WHEEL	1	
14	JUNCTION BOX	1		59	HANDLE CONNECTING ROD	1	
15	HANDWHEEL	1		60	BIANMENMEN COVER	1	
16	FIXED PIPE	1		61	LOCATING BUSH	2	
17	LIFTING PIPE	1		62	PLATE	1	
18	SCREW M12	1		63	HANDLE	1	
19	FIXED CASTER	1		64	HINGE	4	
20	HANDLE	1		65	GEARSHIFT LEVER KNOB	1	
21	HEXAGON HEADED BOLT M10X120	1		66	PATTERN HANDLE	2	
22	WASHER $\Phi$ 10	1		67	HOLE CHECK RING	2	
23	LOCKNUT M10	1		68	WHEEL AXLE	1	
24	WASHER $\Phi$ 14	6		69	HINGE PIN	1	
25	NUT M14	4		70	HEXAGON SOCKET COUNTERSUNK HEAD SCREWM8X16	4	

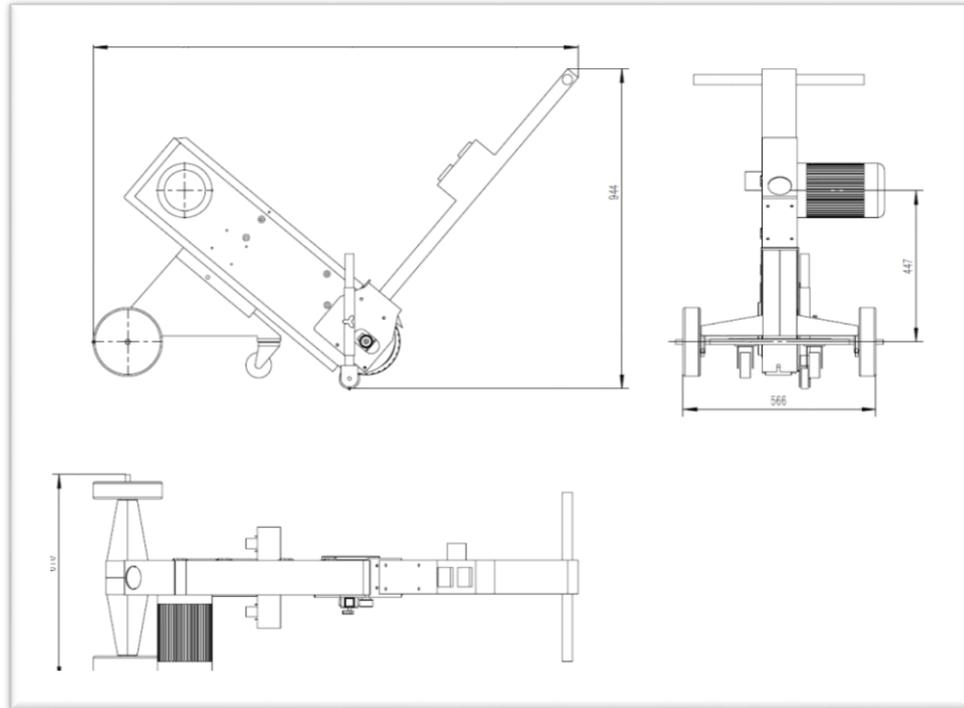
26	SCREW M6X50	1		71	HEXAGON HEADED BOLT M8X12	2	
27	LOCKNUT M6	1		72	HEXAGON HEADED BOLT M8X25	4	
28	SCREW M4X8	2		73	HEXAGON HEADED BOLT M8X20	3	
29	WASHER $\Phi$ 4	2		74	BUTTON HEAD SCREW M8X20	2	
30	NUT M4	2		75	NUT M8	4	
31	SCREW M6X10	4		76	BUTTON HEAD SCREW M4X6	16	
32	HEXAGON HEADED BOLT M8X12	4		77	INNER HEXAGON SCREW M6X20	1	
33	WAD	16		78	HEXAGON HEADED BOLT M6X14	1	
34	HEXAGON HEADED BOLT M8X30	4		79	WASHER $\Phi$ 35X $\Phi$ 8X3	1	
35	LOCKNUT M12	2		80	SPRING WASHER $\Phi$ 8	9	
36	LOCKNUT M8	2		81	COTTER PIN $\Phi$ 3X20	1	
37	HEXAGON HEADED BOLT M8X20	9		82	INNER HEXAGON SCREW M5X20	1	
38	SCREW	6		83	DEEP GROOVE BALL BEARINGS 6204	2	
39	THRUST BEARING 51101	2		84	WASHER $\Phi$ 6	1	
40	HINGE	2		85	NUT M6	2	
41	ELECTRIC MACHINE	1		86	LOCKNUT M6	1	
42	FUSELAGE	1		87			
43	WICKET DOOR	1		88			
44	TOP TABLE	1		89			
45	U -SUPPORT	1		90			

### 13.2 Wiring diagram



### 13.3 Basic dimensions and parts of the PASOVEC 75 RUNNER mobile belt grinder





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