

USER MANUAL

(Original manual)

SMART  TM
CLEANER
by **XTON**



SMART CLEANER

Automatic basket washer

Model: SC850

Issue 6 / March 2026



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The manufacturer of the machine within the meaning of Directive 2006/42/EC and Regulation (EU) 2023/1230 is:

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2. Introduction

The purpose of this manual is to familiarise the user with the design, operation and correct and safe use of the SMART CLEANER SC850 basket washer throughout its entire service life, both during the manufacturer's warranty period and thereafter. Please note that compliance with the assessments and guidelines contained in this manual is one of the user's fundamental responsibilities, which are required and subject to inspection by the manufacturer's service staff during the warranty period. All persons authorised to operate these devices, including technical support and management supervision, should familiarise themselves with this documentation.

3. Description of safety symbols used in the manual

Safety instructions are marked with a warning symbol and a signal word. The signal word (DANGER, WARNING, CAUTION) describes the severity of the potential hazard and has the following meanings:



DANGER

Indicates an immediate danger with a high risk of death or serious injury (loss of body parts or long-term damage) if not prevented.

Failure to follow this instruction may result in death or serious injury.



WARNING

Indicates a potential danger of moderate risk death or (serious) injury if not prevented.

Failure to follow this instruction may result in death or injury.

**CAUTION**

Indicates a low-risk hazard that may cause minor or moderate injury or property damage if not prevented.

Failure to follow this instruction may result in personal injury.

Important information, instructions, recommendations and notes are marked with an information symbol and a signal word, the meanings of which are set out below:

**IMPORTANT**

Indicates information and instructions essential for maintaining the machine in good working order or facilitating its correct use, optimising operation or storage. Failure to follow this instruction will prevent the machine from being used to its full potential or may lead to process disruption, damage the machine or the surrounding area.

4. Important information

The user takes delivery of the device in accordance with the procedure set out in the handover protocol or another form agreed with the manufacturer, confirming receipt of the product.

Upon acceptance of the equipment, the user should:

1. check that the product complies with the order and assess its technical condition.
2. check that the technical equipment supplied with the device is complete. Should any discrepancies or non-conformities be found, these must be reported to the manufacturer immediately and noted in the acceptance report,
3. check that the technical and operational documentation and the product warranty card are complete with signatures and stamps,
4. check that the documentation received is complete,
5. carry out a test run of the device.

The scope of delivery includes:



1. a complete automatic basket washer
2. user manual
3. a CE declaration of conformity
4. a warranty card for the machine

5. Intended use

The Smart Cleaner SC850 basket washer is designed for the automatic cleaning of parts using aqueous solutions.



NOTE

The washer may only be used with aqueous solutions – the recommended solution is based on a concentrate from the XTON ACTIVE CLEANER BA series. Do not fill the tank with solvents, flammable or explosive products.

Intended use: in railway rolling stock repair and refurbishment workshops, industrial production, and wherever the manufacturing process requires degreasing and surface cleaning of products. Using the device for other purposes, as well as unauthorised modifications, is prohibited and will void the warranty.

6. Transport and storage

The basket washer is intended for use exclusively in workshop premises or production halls equipped with extraction/supply ventilation systems. The equipment must not be stored outdoors. In situations requiring short-term outdoor storage (no longer than 7 days), the unit must be placed under a roof and covered with a protective material to shield it from adverse weather conditions. The washer must not be exposed to temperatures below 5°C.

If the washer needs to be moved, it must be transported in an upright position (its natural operating position) using a forklift or pallet truck. The unit must have its cover closed when prepared for transport. When carrying out

loading and transport operations, take into account the unit's own weight and centre of gravity, and exercise due care. When carrying out these operations, always observe all required safety measures and health and safety regulations.

**NOTE**

The manufacturer accepts no liability for damage resulting from improper transport and storage of the by use.

7. General construction

The SC-850 basket washer is made of stainless steel. A set of spray lances is positioned on both sides of the working chamber, with the arms capable of being moved for easy loading. A hub with an axle, mounted on a support structure, acts as the mechanical drive for the rotating basket. The basket is driven by a gear motor located in the machine's service compartment. Half of the lower part of the wash chamber constitutes the cleaning fluid tank. Access to the tank is provided by a removable separation tray mounted on the tank's support structure, which also serves as a filter. The tank is equipped with a liquid level sensor that allows the amount of working fluid to be monitored, whilst two heaters and a temperature sensor, together with a control system, maintain a constant temperature of the washing fluid.

The control cabinet is responsible for the operation of the washer; it houses safety equipment and a PLC controller with a built-in touchscreen display and control buttons. The PLC controller executes the selected washing programme, automatically adjusting the necessary operating parameters of the washer, i.e. washing time, cleaning fluid temperature and control of the rotating basket. The cabinet complies with current regulations regarding construction and occupational safety. The design of the control cabinet ensures an IP65 protection rating. Access to the interior of the control cabinet is possible after unlocking the door locks with a special key.

The basket washer consists of the following components:

- Self-supporting body with integrated tank
- Cover with lock
- Rotating basket
- Set of spray lances with nozzles
- Disc-type oil separator
- 2 water heaters
- Drain valve
- Touchscreen control panel
- Limit switch (flap closure control)
- Washing pump
- Gear motor with hypoid gearbox
- Filtration system
- Liquid level sensor
- Control cabinet with control panel
- Temperature sensor
- Liquid vacuum sensor

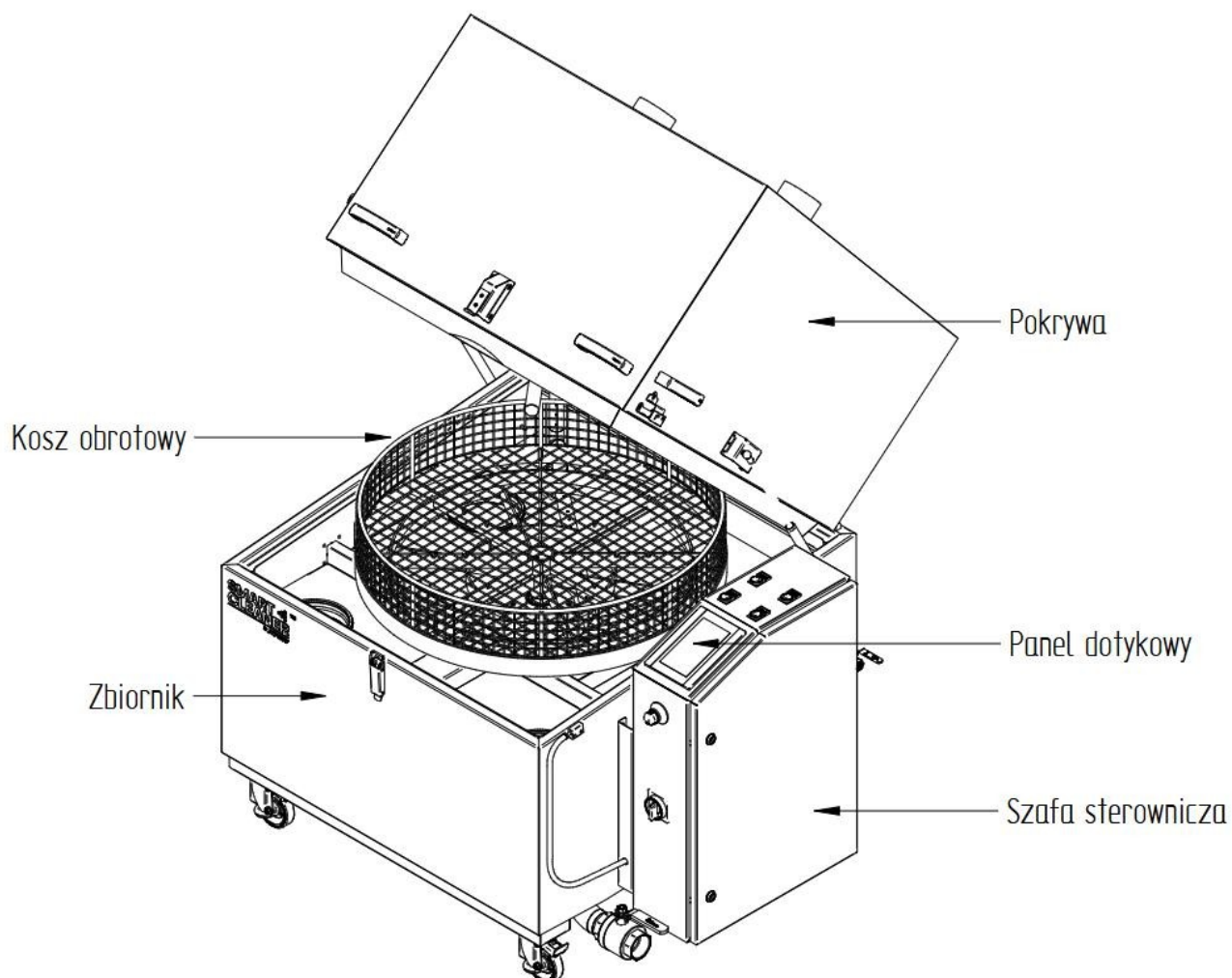


Figure 1 Isometric view

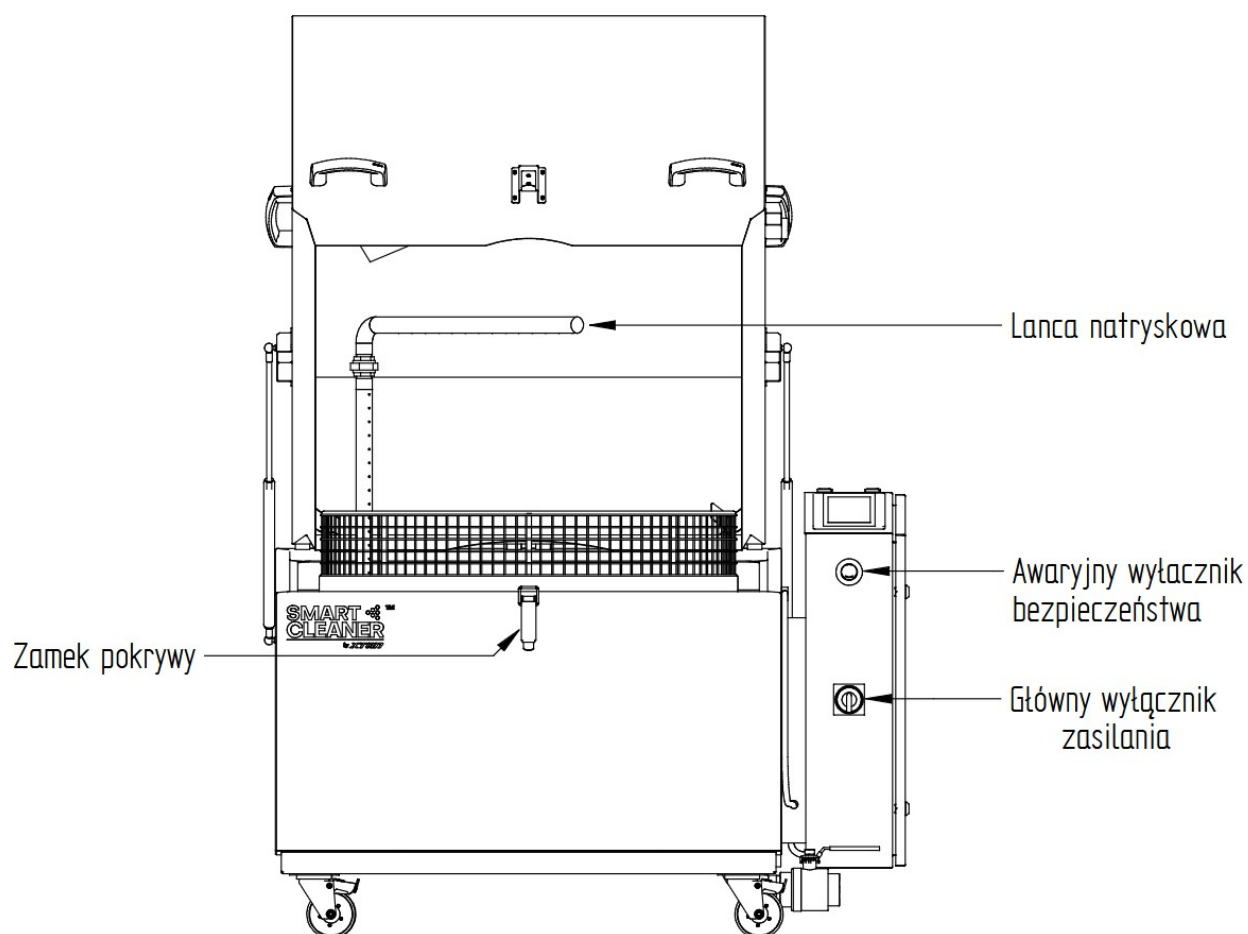


Figure 2 Front view

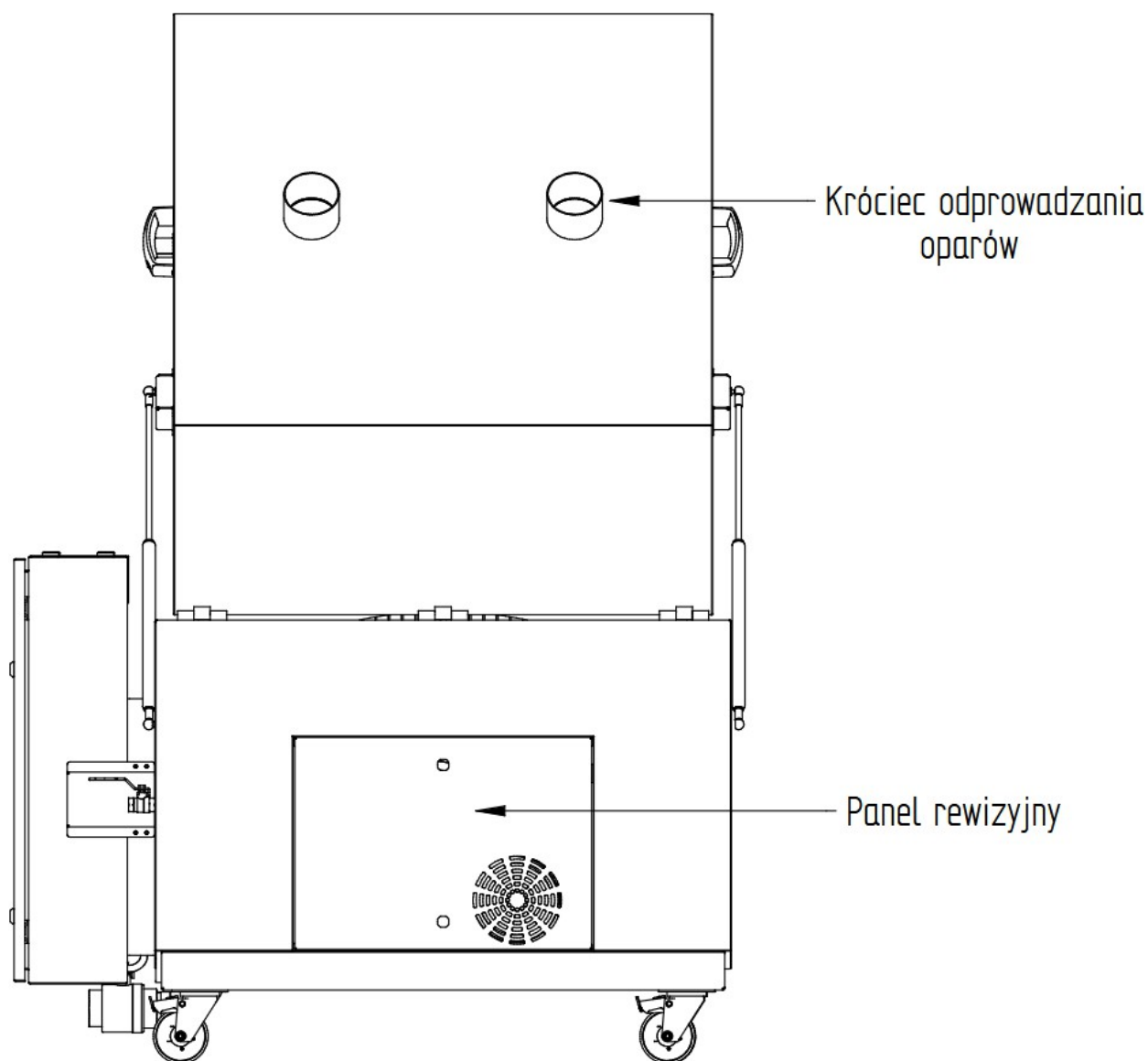


Figure 3 Rear view

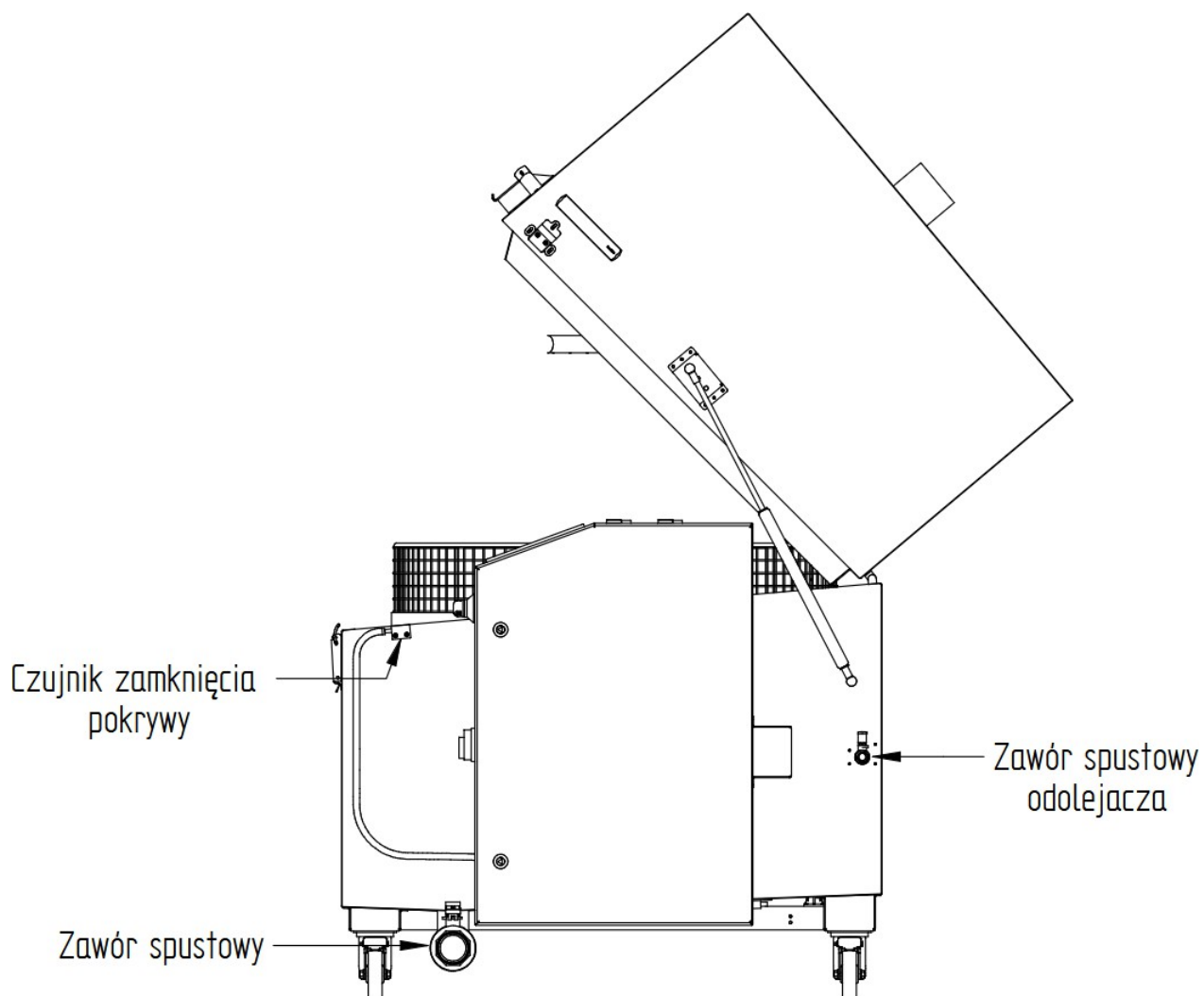


Figure 4 General view from the right side

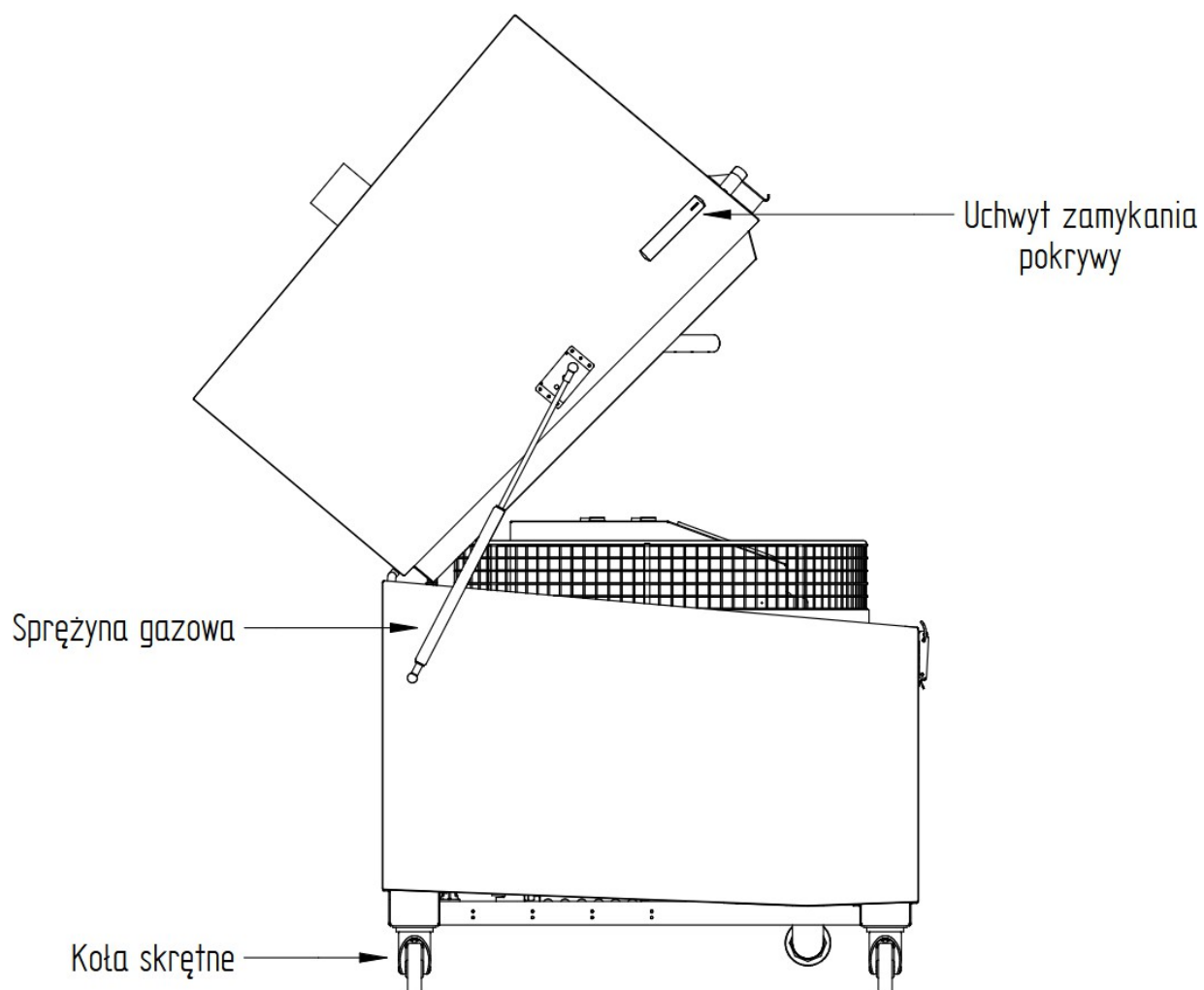


Figure 5 General view from the left side

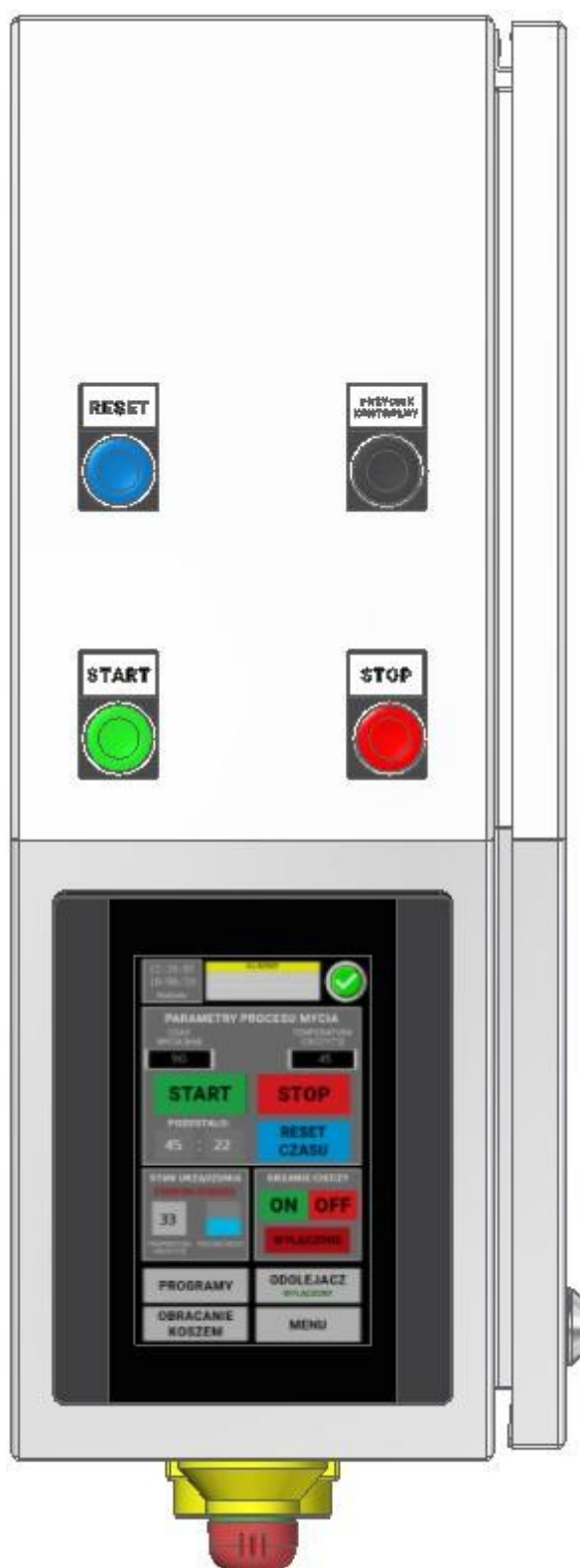


Figure 6 View of the control panel

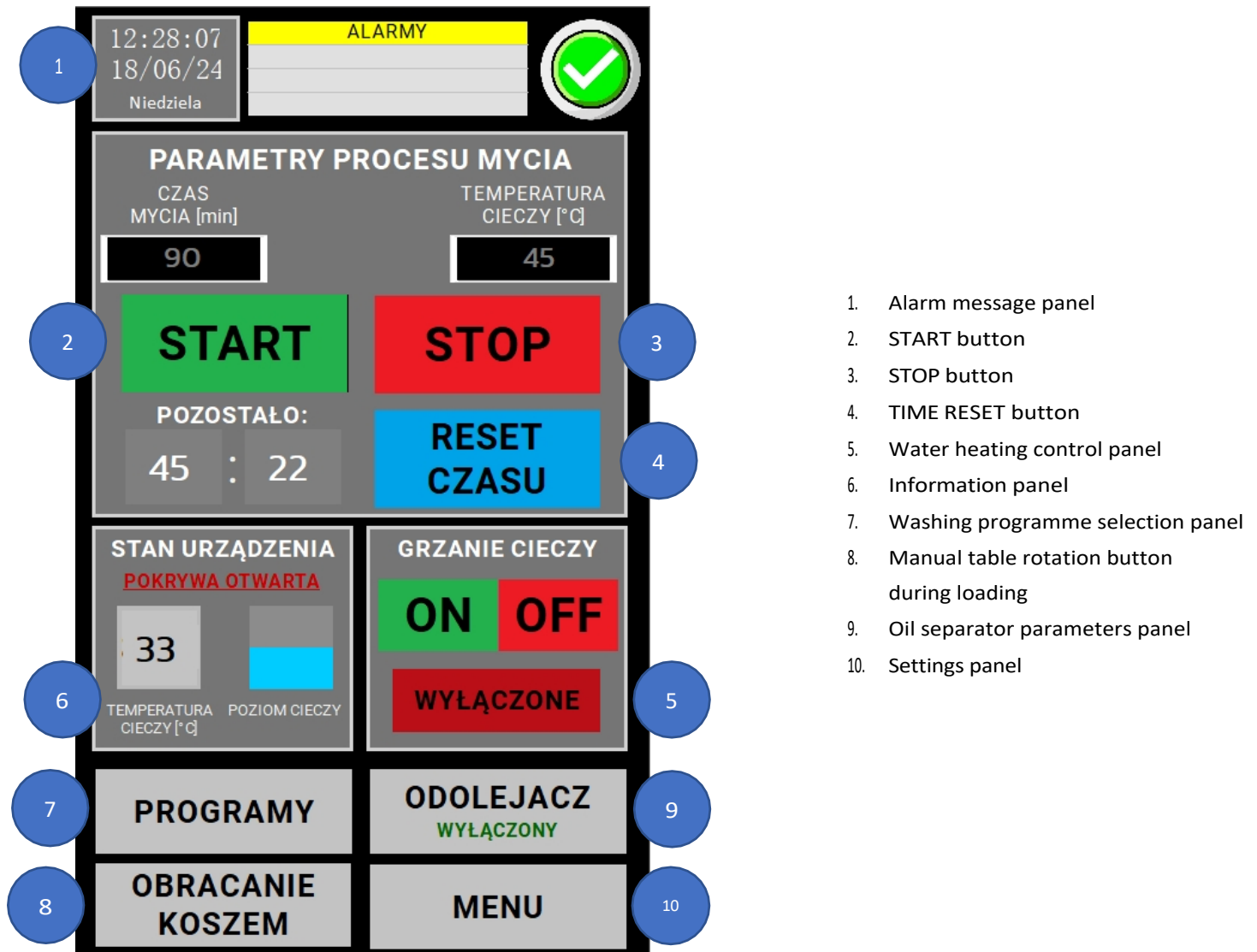


Figure 7 View of the touch panel

8. Principle of operation and start-up.

Washing takes place in a closed circuit, using a cleaning fluid in the form of a concentrate solution and water in a ratio of 1:20 (we recommend using products from the XPOWER ACTIVE CLEANER BA series) heated to a temperature of 45–80°C. The cleaning fluid in solution form is discharged from the spray system nozzles at a pressure of 3–5 bar, enabling it to thoroughly clean hard-to-reach areas and heavily soiled parts of carbon deposits, grease or oil. Both the temperature and the concentration of the solution affect cleaning efficiency. It is recommended to clean parts with stubborn dirt at the upper temperature limit, i.e. 80°C. The parts to be cleaned should be arranged as evenly as possible in the basket so that they do not protrude beyond its side and bottom edges.


WARNING

Before closing the lid, ensure that the loaded parts do not protrude beyond the basket's outline and thus do not catch on the spray lances or the machine's housing. Protruding parts may cause permanent damage to the part being cleaned, the drive mechanism, the rotating basket or other components of the washer.


DANGER

There is a risk of injury to the operator if the rotating basket becomes jammed due to the items being loaded incorrectly.


CAUTION

The high-pressure water jet from the washing system's spray nozzles may cause small and light items to move during the wash cycle. To prevent this, place them in special baskets for small parts, available on request.

9. Technical specifications.

TECHNICAL DATA	
Model	Smart Cleaner SC850
Overall width	1350 mm
Depth (closed position closed)	1075mm
Depth (open position)	1600 mm
Height (closed closed)	1410 mm
Height (open position)	1950 mm
Working diameter of the basket rotating	850 mm
Working space above the bucket	540 mm
Net weight	180 kg
Working fluid tank capacity tank	200 l
Temperature control	0–80°C
Noise level	<70 dB
Capacity of a single spray nozzle	6 l/min
Pump capacity	250 l/min
Operating pressure	3–5 bar
Heater power	2 x 4.5 kW
Gear ratio	1:300
Supply voltage	3~400 V
Unit power (at full load)	12 kW
Protection rating	IP-54
Required overcurrent	B 25A
Working pump	Ebara
Oil separator	disc

10. Operational safety.

Before using the equipment, it is essential to read the operating instructions and familiarise yourself with the applicable safety regulations for this workstation.

10.1 Operational safety requirements.

- A. Basket washers are designed to clean mechanical parts using a solution of hot water and biodegradable detergents.
- B. The washer must be stored and used in a dry, dark place, not exposed to temperatures below 5°C (41°F).
- C. The washer must be installed on a surface that prevents any liquid from leaking from the unit onto the floor.
- D. Use only detergents or cleaning agents (non-foaming) that are suitable for basket washers.



NOTE

The washer may only be used with aqueous solutions. Recommended liquid: XTON ACTIVE CLEANER BA. Do not fill the tank with solvents, flammable or explosive products.



DANGER

Filling the unit with or petroleum-derived or petroleum-derived flammable flammable is STRICTLY PROHIBITED.

Before using degreasing agents, you must:

- A. Read the device's instructions for use.
- B. Always wear gloves, goggles and a protective apron.
- C. It is forbidden for untrained persons to be in the vicinity of the washer whilst the machine is in operation.
- D. In the event of a fault, press the 'emergency stop' button immediately.
- E. Do not open the machine whilst it is in operation.

Read and follow the instructions on the labels attached to the machine.

1. Do not cover the labels on the machine; if they are damaged, replace them immediately.
2. Do not lean against the device whilst it is live.
3. Do not place tools or other objects on the machine whilst it is in operation or during breaks.
4. The built-in safety device must be checked and cleaned regularly. Do not damage it.
5. Do not make any modifications to the machine, whether to its mechanical or electrical parts or to the water circuit.
6. It is forbidden to change any parts in the washer. The manufacturer accepts no liability for modifications or unauthorised interference with the device.
7. Clean the unit regularly using a dry cloth or, if necessary, one dampened with a mild detergent. The use of solvents and petrol to clean the car wash is prohibited.
8. The car wash should only be operated by a qualified person.
9. Do not leave the machine unattended.
10. Switch off the machine after use (this does not apply if the user is using the liquid heating and oil separator operation schedule).
11. Only use original parts supplied by the manufacturer or an authorised service centre for repairs.
12. If it is necessary to stop the machine immediately, press the red emergency stop button located on the control panel. The machine may only be restarted after the cause of the hazard has been removed and the switch has been unlocked.

10.2 Hazards.

The following hazards may occur during the operation of the car wash:

1. Electric shock.
2. Chemical or steam burns.
3. Fume poisoning.
4. Crushing of the hand



CAUTION

Faults in the electrical system and equipment may only be rectified by a qualified electrician. If equipment is replaced, the new unit must be identical. The installation of any other component requires the manufacturer's or testing body's approval.

10.3 Preventive measures.

To avoid hazards, car wash staff should be provided with appropriate protective equipment to prevent such hazards from arising.

10.4 Precautions against chemical burns.

1. Ensure that the wash cycle is complete.
2. Wear protective clothing whenever the car wash cover is opened.
3. When maintaining the car wash or cleaning the tank, empty it using the drain valve or a self-priming pump into leak-proof containers.
4. Used chemicals must be handed over to authorised companies for disposal.

10.5 Precautions against vapour poisoning.

As per section 10.4

10.6 Residual risk

Despite the safety measures incorporated into the machine's design, the following residual risks remain:

1. the possibility of burns from hot cleaning solution
2. risk of injury from contact with a high-pressure jet
3. risk of crushing the hand when closing the cover
4. risk of electric shock in the event of damage to the electrical system
5. risk of slipping on a wet floor

The user is required to use personal protective equipment and to follow these instructions.

10.7 Warning signs – pictograms

All hand wash units are fully marked with information and warning signs (stickers, labels). The purpose of these markings is to visually highlight the most important instructions and warnings in the areas most critical to safety and the correct operation of the unit. If the markings become illegible, they must be renewed, restoring them to their original condition.



Wear protective gloves



Use respiratory protection



Wear safety goggles



Wear protective clothing



Wear safety footwear



Warning: hot surface



Warning: risk of electric shock



UWAGA !!!
MOŻLIWOŚĆ ZMIAŻDŻENIA

Caution: risk of crushing



Main switch

11. Preparation for commissioning.

The car wash and its equipment should be installed in a room that meets the requirements of the applicable regulations, as specified in this documentation. The room temperature should not be lower than +15°C. The car wash should be positioned relative to the power supply sources in such a way that the connection components – cables – are not exposed to mechanical damage. The parameters of the power supply sources should comply with those specified in the equipment specifications. Effective earthing of the washer and its equipment must be ensured. The washer should be placed directly on the floor, which should be levelled to an accuracy of 2%, with a smooth, non-slip surface that is easy to keep clean. The wash bay's operating area must comply with the conditions and requirements of regulations concerning plant or workshop equipment and fittings. In addition, the following general technical conditions must be met:

1. Room height: min. 2.8 m.
2. Distance from walls: min. 1.0 m.
3. Area per car wash bay: 5 m².
4. Width of passageways around the car wash: 1 m.
5. The room should have ventilation and lighting ensuring comfortable working conditions for staff, in accordance with applicable regulations.
6. The power supply and lighting electrical installation must be dust-proof, with a minimum protection rating of IP54.

12. Initial start-up and operation.

Start-up:

1. Before proceeding with the initial start-up, position the washer at the workstation.
2. Set the desired working height using the adjustable swivel feet.
3. Level the washer so that the lid opens freely without rubbing against the sides of the unit. Check that the unit is level whilst filling it with liquid – adjust if necessary.
4. Connect the power cable, 32A/5P plug



DANGER

There is a risk of death from electric shock if the electrical connection is not carried out correctly!

5. Switch the main power switch to position 1.
6. Check that the green light is lit on the 'CKF 316' phase control and asymmetry sensor located in the control cabinet.

**CAUTION**

Messages from the phase control and asymmetry sensor (CKF 316):

- green light on – car wash operation permitted
- red light on – incorrect phase sequence, car wash operation not permitted. Disconnect the unit from the mains and reverse the phase sequence using the switch located in the 5P 32A mains plug
- no light is on – phase imbalance, car wash operation stopped or not permitted. Check the mains supply parameters, in particular the voltage on each phase.

7. Check that the drain valve is closed; if not, close it.
8. Release the locking clip and open the machine cover.

**WARNING**

Due to the considerable weight of the cover, take particular care when opening and closing it. The operation of the gas springs allows the cover to be lifted without significant effort on the part of the user, but in the final stage of full opening, the cover must be held by the handle to prevent breakage or excessive wear of the gas springs. Do not leave or use the car wash with the cover ajar.

9. Connect the water supply to the inlet valve.
10. Open the supply valve and fill the tank with approx. **200 litres of** water (2 cm below the maximum float level) and add approx. 10 ml of **XPOWER ACTIVE CLEANER BA** concentrate
11. Lower the lid and secure it firmly with the latch
12. Remove the inspection panel and check that the shut-off valve located in front of the pump is open; if not, open it.



WARNING

The pump cannot operate without liquid; therefore, before the first start-up and during operation, ensure that there is a sufficient flow of liquid to the pump by checking the cleanliness of the suction strainer located in the tank chamber.

13. Wait approx. 2 minutes for the water from the car wash tank to fill the pump, displacing the air through the spray lances.
14. Set the main power switch to position 1
15. Once the touchscreen has started up and an alarm has sounded, perform the following operations in sequence
 - press and then release the emergency safety switch.
 - Press the RESET button
 - Clear the alarm on the touch panel
16. Select the wash programme and press the START button or the corresponding icon on the touchscreen.



NOTE

If the machine lid is properly closed and the other machine parameters meet the conditions of the selected wash cycle, the machine will start operating. Once the wash cycle is complete, the machine will automatically switch off the pump and the drum rotation and emit an audible signal.



NOTE

During the first start-up the may make distinctive noises caused by air in the system. After a dozen or so seconds operation the pump should expel any remaining trapped air and the noise should subside.



WARNING

If, during the first start-up of the car wash, the venting of the hydraulic system takes longer than a few seconds, switch off the car wash, stop further start-up procedures and contact the manufacturer's service department.

17. Once the above steps have been completed, the car wash is ready for use.

13. Daily maintenance.

The Smart Cleaner SC850 basket washer does not require any special maintenance. To ensure safe and efficient operation, please:

1. Remove debris from the filter bags every day before starting the wash cycle.
2. Check the pump suction strainer at least once per shift and clean it if necessary – access is from the tank side.
3. Check the working fluid level daily and top up if necessary.



CAUTION

Do not use solvents for cleaning. Do not exceed a cleaning temperature ^{of} 80°C. Do not use acid baths with a concentration exceeding 5%. Do not open the washer whilst it is in operation.

The frequency of filtration system checks should be adjusted to the type and nature of the contamination.

14. Maintenance, inspection, repair.

The basis and guarantee of reliable operation of the equipment and the washer is the use of appropriate agents and consumables, as well as careful installation and connection of the electrical system. During the warranty period, with the prior consent of the manufacturer, minor repairs carried out by the user are permitted, e.g. replacement of the flexible breakaway drive element of the basket (*Fig. 8*), replacement of the wash hose or chamber seal.

Any more serious repairs, adjustments and replacement of equipment shall be carried out by the manufacturer's service department or by a person authorised by the manufacturer.

During operation of the unit, the user is obliged to:

- regularly inspect and remove contaminants from the filtration systems
- systematically clean the interior of the unit's chamber of various types of deposits and contaminants
in particular, iron filings, which may cause rusty deposits on surfaces.
- regularly inspect the condition of the surfaces of the adjacent sleeves of the rotary basket base and the drive shaft
- keep the aforementioned surfaces clean.
- inspection of the condition of the breakaway element of the basket drive base and mating surfaces (*Fig. 8*)
- lubricating the bushing of the rotating basket drive base and the drive shaft with grease to prevent seizing of the adjacent surfaces
- Check the condition of the gas springs – their connections and supporting force

After the first year of operation, the car wash equipment, connections in the control cabinet, the pump unit, the condition of the nozzles and the pump seals must be inspected. If excessive wear or damage is found, the equipment or its components must be replaced with new ones. All cables should be securely clamped in the terminal blocks and equipment. Check the condition of the electric shock protection system. Once a year, check the resistance between the car wash's main earth terminal and the heated tank. This resistance value must not exceed 1 MΩ.

Resistance measurements should be carried out by a qualified electrician with the appropriate certification. If excessive wear of components is found, replace them with new ones. Excessive wear is defined as wear that causes a change in the established operating parameters or prevents their correction. Check the condition of the earthing system daily before starting work. Before commencing work, car wash operating staff should check that the system is functioning correctly and carry out daily maintenance as described in point 13.

15. Important information regarding the delivery pump and drive mechanism.

WARNING



Using the pump for purposes other than those for which it is intended, or failing to follow the instructions, may cause serious damage to the equipment and may be dangerous to the health and safety of operators. Basket washers operating outdoors must be strictly protected against: frost, precipitation and high temperatures.

The warranty for the basket washer will be deemed void in the following cases:

- the pump is used for inappropriate purposes,
- connecting and operating the pump outside the operating parameters specified by the manufacturer,
- dry running (insufficient liquid flow to the pump or air ingress into the hydraulic system),
- operating the pump with fluid at a temperature higher than the permissible limit,
- use of a cleaning agent other than that specified by the equipment manufacturer.



WARNING

Before closing the lid, ensure that the loaded parts do not protrude beyond the outline of the basket and thus do not catch on the spray lances or the machine housing. Protruding parts may cause permanent damage to the item being washed, the drive mechanism, the rotating basket or other components of the washer.



DANGER

There is a risk of injury to the operator if the rotating basket becomes jammed due to the items being loaded incorrectly.

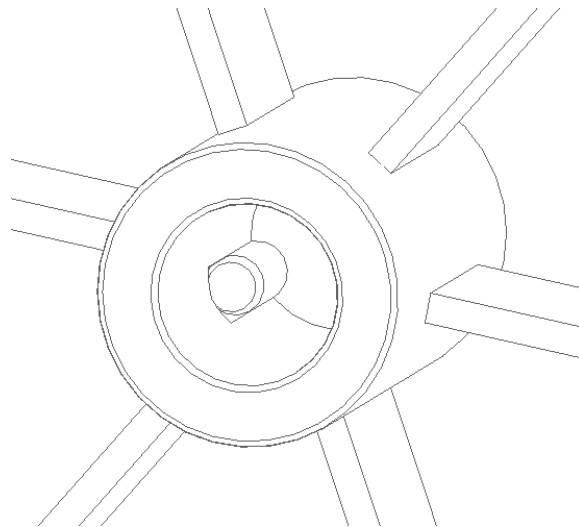


Figure 8 View of the location of the basket's shear point

16. Maintenance and servicing.

Proper servicing extends the service life of the pump and the mechanism of the rotating basket, ensuring their efficient operation. All servicing work must be carried out by qualified personnel. The car wash may only be dismantled and reassembled by qualified personnel. Failure to comply with the above recommendations will invalidate the warranty.

17. Common car wash problems – solutions.

The car wash does not start when switched on

- check the alarm codes, perform the reset procedure and clear the alarms
- check that the electrical connections are correct
- check that the safety switch is not pressed
- check the phase sequence L1, L2, L3 (the indicator light on the CKF 316 unit should be green) If the green LED is not lit – rotate the pins in the plug

	-check the condition of the protection devices in the control cabinet (overcurrent and thermal motor protection) -check the fluid level (the fluid level should be approximately 2 cm below the maximum height of the liquid level sensor in the tank and the icon on the touch panel should be lit up in blue – top up if necessary) - check that the lid is closed
<i>After starting the machine and selecting a wash programme, the car wash does not start</i>	- the fluid temperature has not been reached -check that the chamber lid is closed - check the liquid level in the tank.
<i>The pump is running loudly when started</i>	-check that the shut-off valve upstream of the pump is open -check and, if necessary, clean the suction baskets in the liquid tank -the spray lance assembly has restricted flow – check that the spray nozzles .
<i>The wash cycle has started but the pump is not running or the basket is not rotating</i>	-check the condition of the protection devices (overcurrent and thermal motor protection) -check the condition of the drive's washable component rotating basket.
<i>The wash cycle has been interrupted – low liquid level alarm</i>	-check that the filter bags are clear – empty of debris if necessary. -check the liquid level – top up if necessary top up.
<i>The wash cycle has been interrupted – low liquid level alarm, but the liquid level reading is correct</i>	-dirty filter bags are restricting the flow of liquid into the tank – clean the bags -liquid level at the lower limit of the required range – top up to the maximum level.
<i>The pump is not reaching its rated flow rate and is running loudly</i>	-damage to or leakage from the pump seals -cavitation caused by insufficient liquid flow to the pump, contaminated suction filters, excessively high water temperature at the inlet - leak in the supply system upstream of the pump

<i>The wash cycle has been interrupted – low flow alarm</i>	-clogged filter bags are restricting the flow of liquid into the tank – clean the bags -check and clean the suction baskets located in the liquid tank.
<i>The pump is not generating the nominal pressure</i>	-the nozzle(s) in the spray lances are blocked or worn -significant leaks from the pump seals
<i>The car wash is running but the rotating basket is not turning</i>	-the basket has been blocked by protruding parts outside its outline. -the flexible drive belt for the rotating basket is broken or excessively worn -damaged drive gearbox
<i>The washer does not heat the working fluid</i>	-check the condition of the heaters' overcurrent protection -Check that the heater activation schedule is configured correctly. - the heating element(s) is/are damaged or worn out
<i>The parts are still dirty after washing</i>	-check the concentration of the solution - check that the wash nozzles are clear - the liquid has not reached the required temperature -liquid temperature too low – increase the temperature -heating elements are damaged

18. Manufacturer's final remarks.

Unless otherwise specified in the contract, the handover and acceptance of the equipment shall be carried out using a handover and acceptance report. The same procedure applies when rectifying faults reported under warranty. In this case, it is permissible to use service notes requiring mutual confirmation of the technical work carried out. The terminology used in this documentation includes the terms: car wash, washer, device, machine. The terms used refer to the same product and are synonymous.



19. Disposal of the machine

The device constitutes electrical and electronic equipment within the meaning of national regulations and the WEEE Directive.

The machine is constructed from the following materials:

- structural steel,
- stainless steel,
- electronic components,
- rubber,
- plastics.



DANGER

Before carrying out any work related to the disposal of the machine, disconnect it from the electrical, pneumatic and water systems.



CAUTION

At every stage of dismantling and disposal, appropriate hand and power tools, as well as personal protective equipment, must be used.

Dismantling procedure:

1. Remove the water pipes.
2. Dispose of consumables correctly.
3. Dismantle the unit.
4. Send plastic components to a plastic recycling facility.
5. Please take metal parts to a metal recycling facility.
6. Dispose of electrical components and power cables as special waste or electronic scrap.

20. Declaration of conformity.


DEKLARACJA ZGODNOŚCI

PRODUCENT: XTON S. C.
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33-300 Nowy Sącz
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tel.: +48 18 479 160 1 +48 535 530 824,

PRODUKT: Automatyczna myjka koszowa seria Smart Cleaner™
model/typ: SC850, SC1000, SC1200

Deklarujemy z pełną odpowiedzialnością, że produkty do których odnosi się niniejsza deklaracja, są zgodne z następującymi dyrektywami i normami:

DYREKTYWY: - 2006/42/WE – Dyrektywa maszynowa
- 2014/30/UE – Dyrektywa kompatybilności elektromagnetycznej EMC;
- 2014/35/UE – Dyrektywa niskonapięciowa

NORMY: - PN-EN 60204-1 – Wyposażenie elektryczne maszyn;
- PN-EN 13849-1 – Elementy systemów sterowania związane z bezpieczeństwem;
- PN-EN 62061 – Bezpieczeństwo funkcjonalne elektrycznych, elektronicznych i elektronicznych programowalnych systemów sterowania związanych z bezpieczeństwem;
- PN-EN 60947-1 – Aparatura rozdzielcza i sterownicza niskonapięciowa.

Niniejsza deklaracja zgodności wydana zostaje na wyłączną odpowiedzialność producenta.


Nowy Sącz, 23.05.2024 r. Podpis osoby upoważnionej do gromadzenia dokumentacji technicznej

21. Warranty card.

WARRANTY CERTIFICATE

1. The manufacturer guarantees the proper functioning of the equipment for a period of 12/24/36/481 months from the date of purchase. Proper functioning is understood to mean the absence of physical defects in the item sold.
2. The guarantor of the device sold under the nameSerial numberis "XTON S.C. Piotr Łukasik, Łukasz Basiaga" with its registered office in Nowy Sącz at ul. Żwirki 31, 33-300 Nowy Sącz, with Tax Identification Number (NIP): 734-347 82-42, and REGON number: 121453788
3. Any defects discovered during the warranty period will be rectified by an authorised service centre designated by XTON. As a general rule, the defect will be rectified at the User's premises, and the User is obliged to grant access to the service technicians referred to in sentence 1 above in order to carry out the necessary work. Should it be impossible to rectify the fault at the User's premises, the User is obliged to deliver the Device to the Guarantor's registered office – at the Guarantor's expense.
4. Any fault or breakdown occurring during the warranty period and covered by the warranty terms will be rectified by the Manufacturer or its authorised service centre free of charge (excluding the cases specified in point 14 of the Warranty Card) together with the costs of spare parts and labour, and shall be recorded in the Warranty Card.
5. The fault will be rectified by repairing the damaged components of the Device or replacing them with new, defect-free components or with reconditioned components approved for use by the Manufacturer. Replacement of the Device or a component with a new, defect-free one may only take place if two unsuccessful repairs of the same component of the Device have been carried out.
6. If damage to the Device is found to be the result of the User's fault, the costs of parts and repairs shall be borne by the User.
7. During the warranty period, the Manufacturer guarantees a service response time of no later than 48 hours from the time the fault is reported on working days (i.e. Monday to Friday). Saturdays, Sundays and public holidays are not included in the response time. In such cases, the response time is suspended for the duration of these days.
8. The fault should be rectified within 21 working days from the date of the Report. The repair time may be extended for reasons beyond the guarantor's control, e.g. the time taken to source parts – of which the Manufacturer will inform the User in each instance.
9. The service request should be submitted via the request form available on the XTON S.C. website (www.xton.eu) or by email to serwis@xton.eu. The request should include information about the device model, serial number, customer details, the requester's details and a description of the problem/fault.
10. If the guarantor has replaced the defective goods with new ones or carried out significant repairs, the warranty period shall recommence from the moment the replaced or repaired product is delivered to the customer. In the event of the replacement of a single part belonging to the goods subject to the complaint, the warranty period shall recommence in respect of that part.
11. Warranty repairs do not cover tasks which, according to the user manual, the user is obliged to carry out themselves, e.g. replacing filters.
12. Defects must be reported immediately upon discovery, no later than 7 days after the fault is detected, and the equipment must be taken out of service, failing which the warranty rights will be forfeited or the liability of the seller and manufacturer may be limited due to the user's continued use of faulty equipment.

¹ Depending on the contract entered into; if no relevant contract has been concluded, the warranty is granted for a period of 12 months.

13. The warranty does not cover loss of profits resulting from low or no productivity due to any machine breakdown or delays in the delivery of spare parts, nor does it cover third-party damages arising from such causes. The warranty does not cover costs associated with the hire and delivery of a replacement machine.
14. Any cleaning of the equipment is carried out at the user's expense in accordance with the service provider's price list and is not considered a warranty service.
15. The warranty does not cover:
 - a. damage and defects resulting from:
 - mechanical damage
 - improper use, maintenance or storage, or use not in accordance with the user manual,
 - ignorance or damage caused by the user's fault,
 - accidental events (fire, flood, water damage, etc.)
 - incorrect installation or installation not in accordance with the user manual,
 - the use of consumables other than those recommended by the manufacturer,
 - unauthorised repairs carried out by the user or other unauthorised persons,
 - modifications or structural alterations carried out by parties other than the Manufacturer or its authorised service centre,
 - b. consumables and parts which, when the device is used for its intended purpose, are subject to natural wear and tear before the expiry of the warranty period, in particular but not limited to:
 - seals,
 - filters,
 - rubber hoses, pressure hoses,
 - adapters with clamps,
 - clamping clips.
16. The manufacturer does not permit the User to carry out repairs themselves without prior consultation with an authorised service centre, nor at unauthorised service centres. Any such repair will result in the loss of the warranty.
17. For this warranty to be valid, the following conditions must be met:
 - a. the warranty must be signed by the purchaser,
 - b. the warranty card must be completed fully and correctly,
 - c. the purchaser must hold proof of purchase for the product covered by this warranty.
 - d. the confirmation in the user manual that the machine has been connected to the electrical installation by a qualified installer, including the installer's licence numbers and stamp, must be correctly completed.
18. This warranty is valid only within the territory of the Republic of Poland.
19. Where the goods sold do not comply with the contract, the buyer is entitled by law to legal remedies at the Seller's expense (statutory warranty), and the warranty provided by the Manufacturer does not affect these legal remedies. The rights granted under the warranty are independent of the rights relating to the warranty for defects in the goods sold. This means that if the User's claims are not upheld under the Guarantor's liability, the User is entitled to pursue claims against the Seller under the warranty – provided that such liability has not been excluded in accordance with the provisions of Article 558 of the Civil Code.