

Tire dismantling unit SEDA T-Rec XXL

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1. To the user of this manual

- Before starting to use the machine we recommend that you read carefully through this operation manual since we accept no liability for damage arising from failure to observe it. If problems arise with the use of this equipment, please contact us at the address shown on the front page of this manual.
- The operation manual will assist you in working with the Tire dismantling unit and you will be given important advice for safe and expert use of the machine. With this advice, risks can be avoided, repair and downtime reduced and also the functioning and long working life of the machine will be ensured.
- As well as the advice in this operation manual, the general legal regulations for the prevention of accidents and the protection of the environment apply. These duties include for instance the correct handling of hazardous substances and the provision and wearing of protective equipment.
- Before starting up the SEDA Tire dismantling unit, employees of your firm must have been instructed by an authorised person and must have read the chapter on safety measures.
- The safety and operating instructions must be available for reading in the Tire dismantling unit work area.
- All rights, especially the right of reproduction and distribution as well as translation, are reserved. No part of this manual may be reproduced in any form (printing, photocopying, microfilm or any other method) or be stored, processed or reproduced by means of electronic systems without the written consent of the manufacturer.
- SEDA drainage stations and the components of SEDA drainage stations are designed and tested to withstand Petrol, Oil, Diesel, break fluid, screen wash and radiator liquid however more and more additives for petrol and oil. Occasionally the fuel tank's of scrap cars are illegally filled with corrosive chemicals as a way of disposing of them. Unknown fuel and oil additives as well as illegally deposited chemicals can adversely affect the pumps, hoses and filters of our drainage stations any pumps, hoses and filters adversely affected by such additives and chemicals are not covered under warranty.
- This instruction manual is drawn up in the manufacturer's native language. If there is a dispute, accident or anything else, the German language version of this manual will be exclusively used for legal purposes. SEDA Environmental declines all and any responsibility for direct or indirect damage caused by poor translation or erroneous interpretation of the translated text.

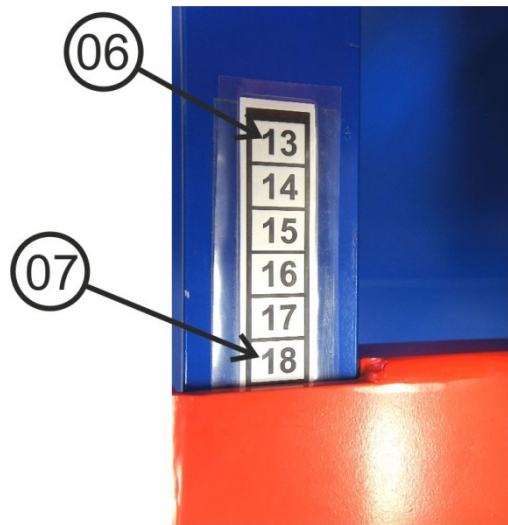
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2. Intended use/Features

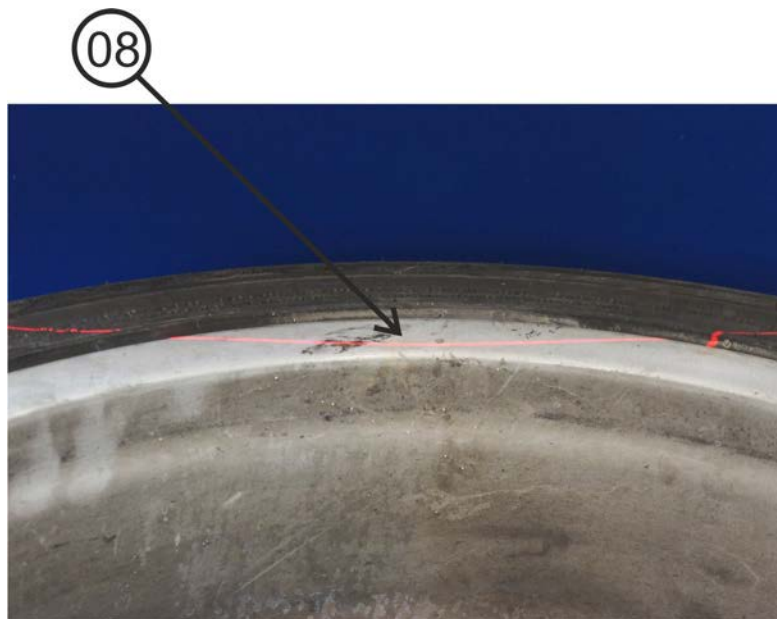
- ❖ This device has been designed to quickly separate tires and rims from each other.
- ❖ It is possible to separate wheels with steel- und aluminum rims.
- ❖ The SEDA T-Rec XXI can be adjusted for rim sizes from 15" up to 22" with an adjustable rail.
- ❖ The destruction of the rim by the pressing edge and the key is not intentional.
- ❖ A laser beam simplifies the alignment of the tire on the contact surface of the T-Rec XXL.
- ❖ Forklift slots and a crane hook are integrated into the housing.



- (01) Lever for the control valve lifting and lowering of the wedge plate (Clamping of the tire),
- (02) Lever for the control valve lifting and lowering of the rim discharging cylinder (Ejector),
- (03) Main switch + laser,
- (04) Emergency switch,
- (05) Button „Ein“ („On“) for pump.



(06) Adjustment scale for rim size – Number behind the rearward edge (07).

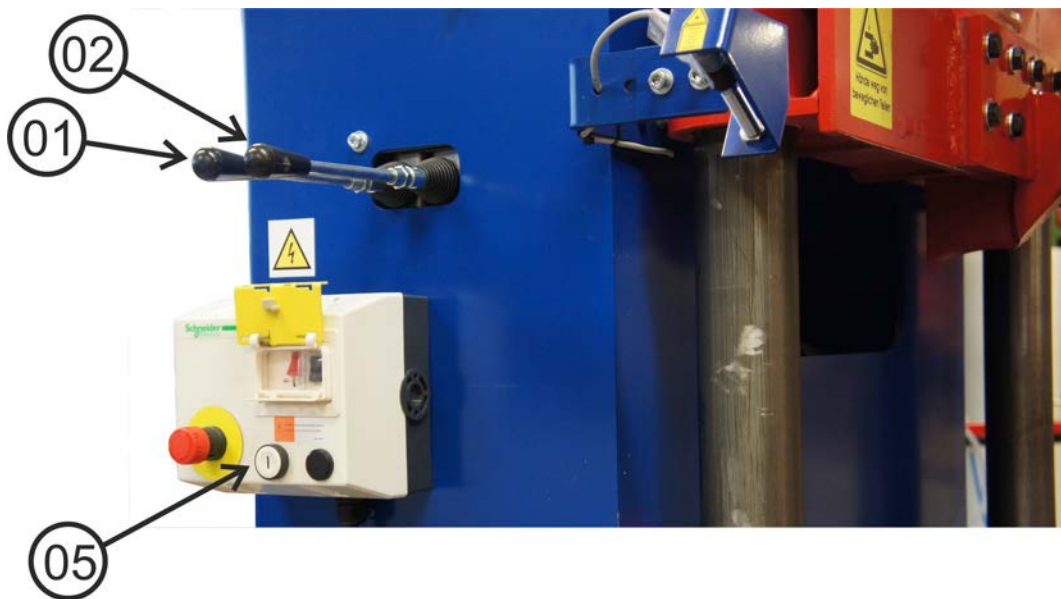


(08) Laser for optimal positioning of the tire.

3. Parts and safety installation of the machine



Protective cover (09) – Closes automatically when pushing the gear lever. (01)



Two-hand-operation

The gear levers (01) and (02) are operative only when pressing the button (05) at the same time.

4. Work safety instructions

- The device is built for safe operation and is technically fully up to date. Nevertheless, due to moving parts and equipment caution must be taken at all times, especially during operation, maintenance and/or repair work.
- During commissioning the manufacturer's terms and the safety instructions given in the manual have to be heeded and compiled with.
- Rebuildings and changes on the unit without authority are not allowed and exclude the liability of the manufacturer and the warranty shall be forfeited.
- Before beginning assembly, maintenance or repairs, disconnect the device from the electricity supply.
- In all cases, the local health and safety rules such as wearing proper safety clothing (safety glasses, ear plugs, gas resistant gloves, long arm sleeves, steel-toed shoes, mouth mask, hard hats etc) apply when operating the equipment.



If a leak should occur in the system – hoses, pumps, screw connections etc. – contact the technical service and stop the work at the station immediately.



Maintenance by the manufacturer, included in this manual, has to be performed for security reasons.



Warning! The safety system of the machine works only when it is operated by a single person. Operation by several persons is strictly prohibited!



Warning! It is only allowed to use the machine, when the safety system is working perfectly!



All screws on the back wall must be screwed in before using the machine!



Only qualified personnel is allowed to use the machine!

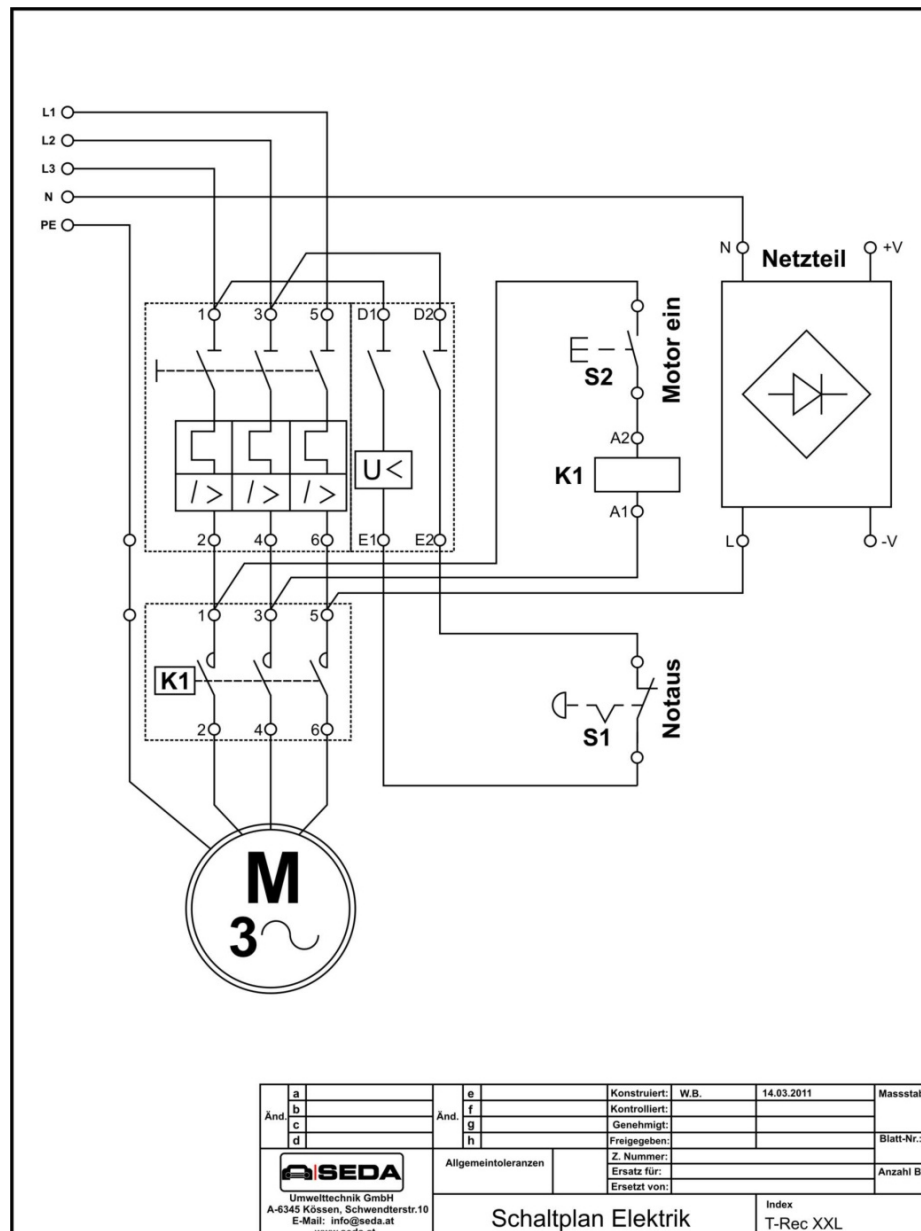
- Always wear safety boots, safety gloves, ear protection and firm clothes while using the machine.
- Hearing protection while using the device is necessary.



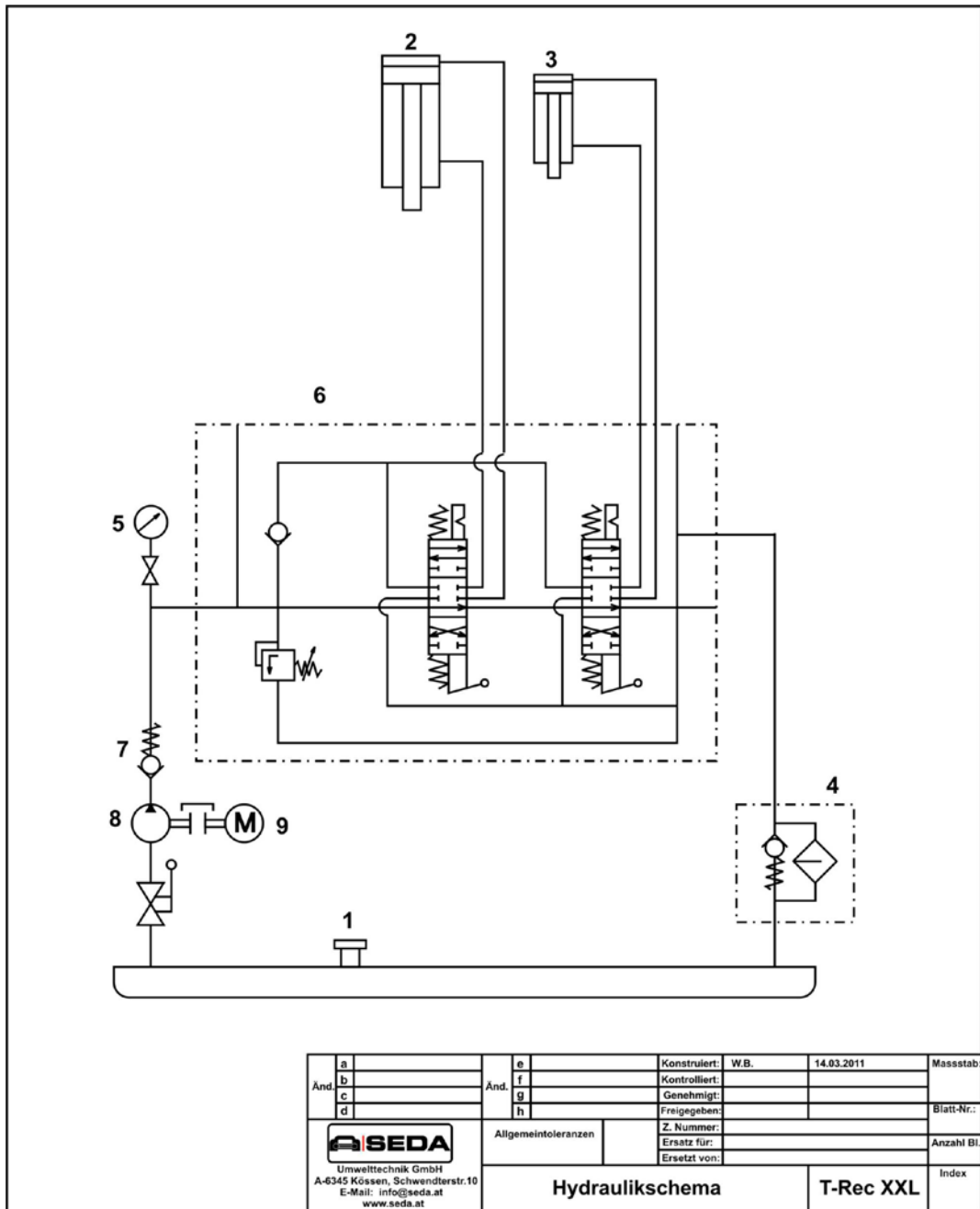
5. Technical details

Height	2271 mm
Width	1290 mm
Depth	1420 mm
Weight	ca. 1250 kg
Operating pressure	155 bar
Quantity of oil	50 Liter
Hydraulic oil	Shell Tellus 46
Electrical connection	400 V - 3 x Ph + N - 5,5 kW

6. Electrical scheme



7. Hydraulic scheme



- 1 Hydraulic oil tank
- 2 Cylinder plate with mandrel
- 3 Cylinder rim discharge
- 4 Filter
- 5 Manometer
- 6 Valves – Switching block
- 7 Pressure valve
- 8 Hydraulic pump
- 9 Electric motor

8. Assembly-/Installation instruction



ATTENTION – Install and use the machine only in a room without an explosive atmosphere.

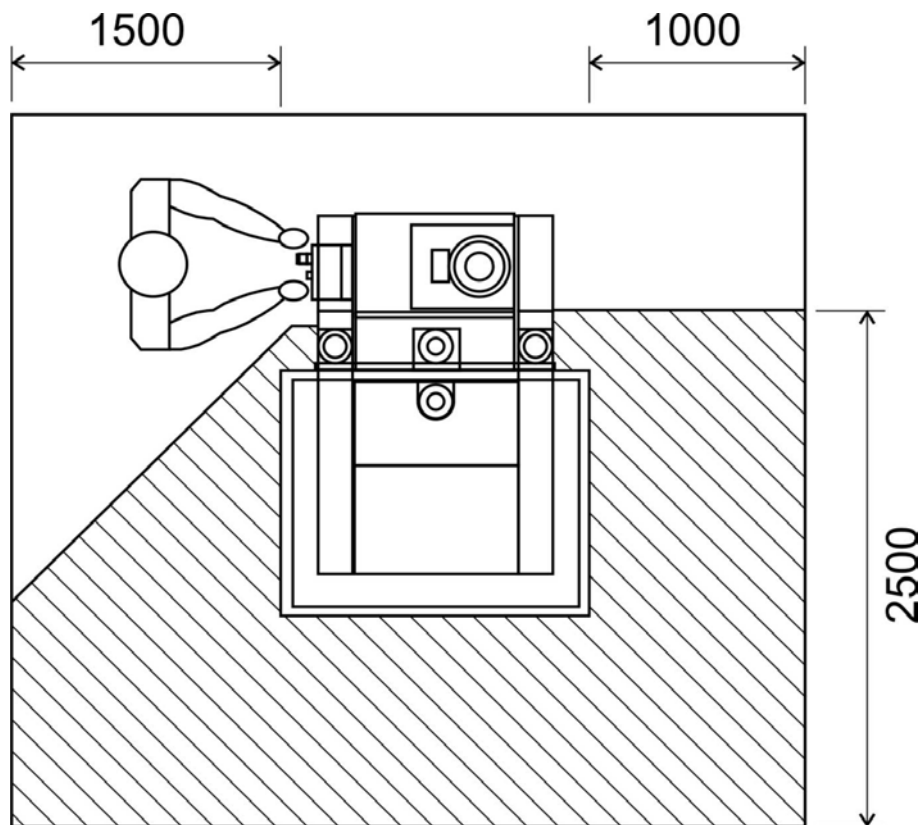
- The installation site should have enough space in front of and next to the machine to create a protection zone for other persons than the user and to enable a comfortable handling of the wheels, tires and rims.



ATTENTION – the machine must only be installed on an sufficiently fixed, liquid proof concrete floor.

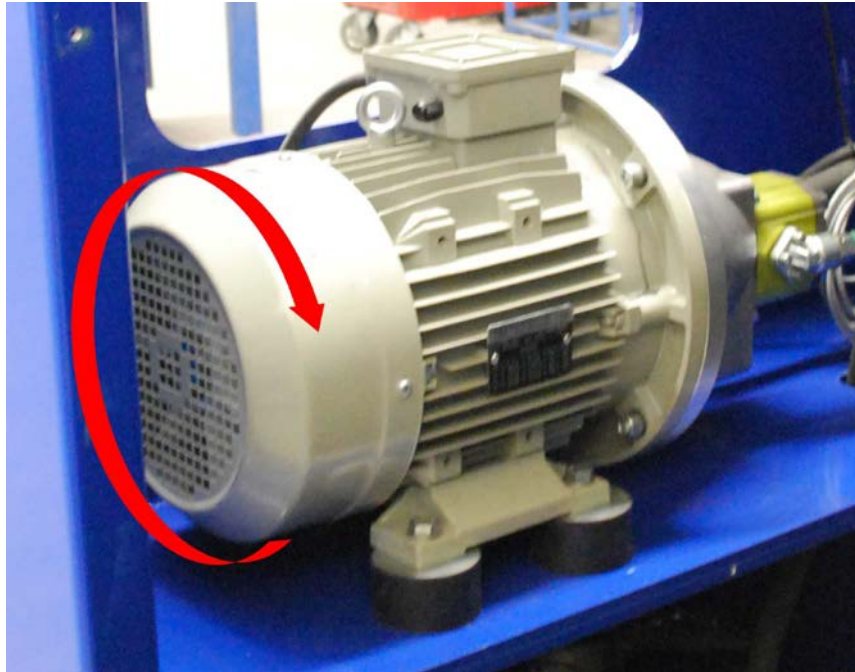


ATTENTION – During the working process, no one must stand inside the protection zone (hatched area).



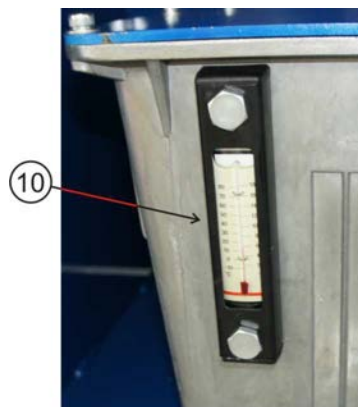
- Alignment.
 - Put the SEDA T-Rec XXL on the supplied rubber strips and align it horizontally – put metal strips underneath if necessary.

- Electrical connection:
 - Plug in power plug
 - Turn on the main switch
 - Press Button EIN (ON) shortly – check direction of rotation



If the direction of rotation is not correct, 2 phases inside the plug must be changed.

- Check the oil level.
 - The hydraulic oil was refilled and the filling level was checked factory made. Nevertheless it is recommended to check the oil level before commissioning.



(10) Level indicator

9. Working instruction



We recommend separating the tires according to the rim size.

- Set the adjustment rail (01) to the rim size,
- Put the tire (02) rim bottom down on the surface of the T-Rec XXL. Ensure that one spoke is located directly underneath the distraction cylinder (central).
- Push the tire back until the laser line (03) is located in the middle of the rim edge,



- Press the ON-button for the pump (04) and pull down the control-valve lever for the key plate until the plate is at the bottom (the protective cover closes automatically),
- Press the ON-button for the pump (04) and pull down the control-valve lever for the cylinder for rim distraction until the rim is pressed out of the tire.



- Press On-button for the pump and push the control-valve lever for the cylinder and for the key plate upwards one by one until both cylinders are back in their starting positions.
- Remove tire and rim.

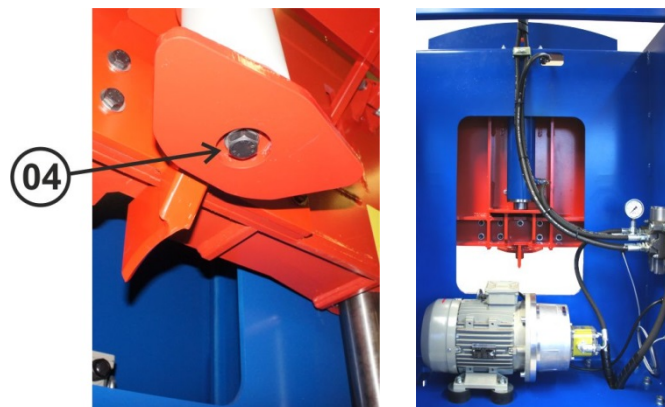
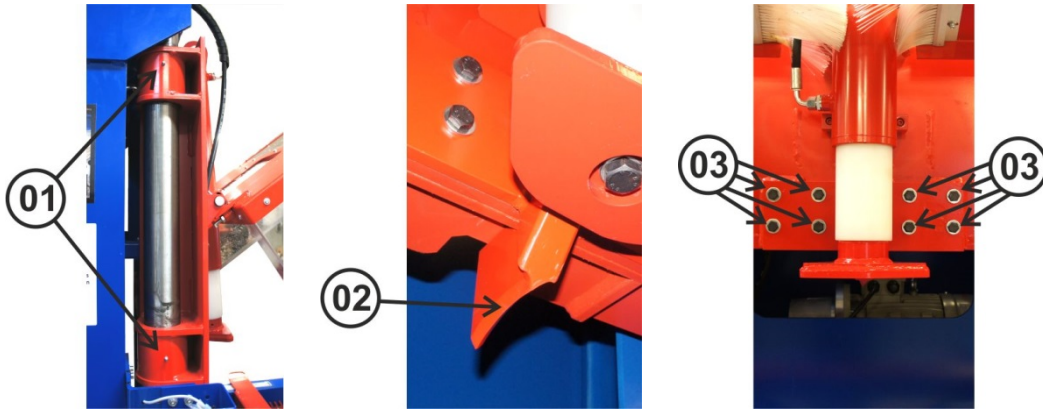
10. Maintenance



Warning! Danger by unattended starting up the machine. Disconnect the power cable before every maintenance work.

10.1 Weekly:

- Grease the guiding rods of the plate - grease nipples are on the plate (01) (more often when continuously using),
- Sharpness of the cutting wedge (02) Schärfe des Schneidkeiles (02) – Sichtkontrolle – gegebenenfalls kann der Keil nachgeschliffen werden,
- Tighten the screws of the cutting plate (03),
- Tighten screw of pressure shoe (04),
- Leakage check of the hydraulic components – visual inspection for drop formation.



10.2 Monthly:

- Oil level check of the hydraulic oil tank – refill if necessary,
- Check screws of the guiding rods (top and bottom) for tightening torque – tighten up if necessary,
- Check hydraulic hoses for damage – exchange if necessary,
- Check laser position – readjust if necessary,
- Check laser lens for pollution – clean if necessary.



We recommend a once-a-year maintenance by our customer service, Wir empfehlen eine jährliche Wartung durch unseren Kundendienst, which includes, among other things, the exchange of the hydraulic oil.

11. Troubleshooting

- Engine does not run any more.
 - Possible cause – activated overload protection.
 - Correction – waiting for about 10 minutes, switch on again
- Power loss of hydraulic cylinder:
 - Possible cause – temperature of hydraulic oil is too high (> 60 °C).
 - Correction – cool hydraulic oil, restart again.
- ❖ For other troubles or abnormalities, please contact your customer service!

12. EG-Declaration of Conformity

Within the meaning of directives of **voltage limits 2006/95/EG**
❖ and EG – guidelines for machines 2006/42/EG



We hearby declare that,

SEDA Umwelttechnik
Schwendter Straße 10
A-6345 Kössen
Certified Company DIN EN ISO 9001



based on its construction and design, the machine described in the following as well as the version thereof released by ourselves commercially, corresponds to all the safety and health requirements of the relevant EU Guideline.

In the event of modifications of the machine not approved by us this certificate loses its validity.

Description of device: Tire – rim separator

Device type: T-Rec XXL

Seriennummer:

The following section shows the applicable standards, laws and rules of the machine and all its protection devices and carrying devices.

DIN 31000	General principles for safe design of technical products.
DIN EN 294	Safety of machinery – Safety distance to prevent hazard zones being reached by upper and lower limbs.
DIN EN 349	Safety of machinery – Minimum gaps to avoid crushings of part of the human body.
DIN EN 418	Safety of machinery -Emergency stop equipment, functional aspects - Principles for design
DIN EN 60204	Safety of machinery – Electrical equipment of machines
DIN EN 287-1	Qualification tests of welders – Fusion welding – Part 1: Steels
32. BlmSchV	Noise

Kössen, 07.10.2010

Manufacturer
Stamp/Signature:

13. Manufacturer's Warranty and Service Contacts

By guarantee is meant the statutory guarantee of 12 months (or 6 months with day and night operation) from the date of invoicing. The discovery of a relevant defect must be communicated to the seller in writing without delay.

The liability of the seller is cancelled in the event of any incorrect modifications or maintenance measures carried out by the customer or any third parties. Apart from that our general terms and conditions, which can be viewed at any time at <http://www.seda.at>, are valid.

In the event of a technical fault, a defect in the device or in specific components of the device, only authorised specialist staff from the firm of SEDA-Umwelttechnik GmbH is authorised to carry out the necessary repairs.

If, despite intended usage, a failure or defect on the device occurs please refer to:

SEDA-Umwelttechnik GmbH
Schwendter Str. 10
6345 Kössen / Tyrol
Austria

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Fax.: +43 (0)5375 6318 9
E-Mail: info@seda.at

Since this is a technically very high quality product we ask you to provide a detailed description of the fault and of the circumstances in which the fault occurred in order to reproduce it.

We will endeavor to provide you with a solution to the problem as quickly as possible in the form of a repair, replacement of components or parts or complete replacement of the device.

Finally we would like to wish you every success and we are pleased that you will be working still more efficiently and effectively in the future with our products and that you will be satisfied with our service. If you have any further questions, comments or a feedback to our products or services do not hesitate to contact us at any time.

Sincerely

Your SEDA-Umwelttechnik GmbH Team

14. Registration Certificate

Company Name & Address:

Contact Person:

Phone Number:

Congratulations

on the purchase of a High-Quality End of Life Vehicle Drainage product from SEDA-Umwelttechnik GmbH.

If you have further questions or would like advice on how to improve your vehicle draining efficiencies, need advice about a warranty or service issue then contact your SEDA Importer.

Your SEDA Importer is:

Date of installation:

Serial number:

Please correctly fill out this SEDA equipment registration form together with the date of installation as well as the signature and stamp of your SEDA importer. Once filled out please fax or post a copy to SEDA registrations, Schwendter Str. 10, 6345 Kössen, Austria. Fax number: +43-5375-6318-9

By correctly registering your equipment you will ensure that we have your up to date details and can quickly and accurately assist you should you have a warranty problem or require service information.

Your SEDA importer will provide you with a copy of the warranty terms and conditions. Should you have a warranty issue please contact them directly.

We wish you many trouble free years with your SEDA Equipment.
You're SEDA Team.

Signature and stamp Importer

Signature and stamp Customer