

# USER'S MANUAL

Carefully read these instructions before operating your wood bundler!

- Set-up & in stallation
- Use
- Maintenance
- Accessories



## WOOD BUNDLER HBG 100 - 2



Manufactured  
in Germany



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# 1. INTRODUCTION

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Dear customer,  
thank you for buying our log bundler model HBG 100 - 2 and joining the number of our best customers in the world. We are confident that our equipment will be up to all your expectations and assure you a long lasting quality and performance.

## 1.1 About the manual

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Please take time to read this manual and learn to how operate and maintain the bundler safely. For your easier reading this manual is laid out in several sections. The sections are progressively numbered and listed on the "content" page.

The information, pictures and technical data in this document reflect current or planned product features, functions, and characteristics as of the publication date. Because of on-going product improvements and feature additions, information in this document is subject to change without notice.

If you are experiencing a problem or functional trouble on your machine, please read the "trouble-shooting" section to identify possible causes and remedies. If the problem or functional trouble is not listed in the troubleshooting chart contained in this manual, ask your Authorized Service Centre for service.

When you have checked all the possible causes listed and you are still experiencing the problem, ask your Service Centre for help. When you order parts maintenance or repair services, your Authorized Service Centre, your dealer or eventually the manufacturer need your machine serial number and engine serial number. These are the numbers that you have recorded on the product identification label of the manufacturer on the machine.

## 1.2 Delivery and transport claims

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Upon delivery of the machine please check for visual machine damages such as damaged packing or scratched buckled parts. If so, make a remark on all copies of the delivery bill before signing for acceptance.

**Also have the truck driver sign al copies of the delivery bill.**

Should your shipper or the truck driver refuse to accept your claim, fully reject delivery and make sure to inform us (the manufacturer) immediately. No claims shall be taken into account by the shipper or by the insurance company, if a reservation note is not made on the delivery bill.

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All transport damages must be notified within latest 2 days from delivery. Therefore delivery must be collected and inspected within this term. Later claims shall be disregarded.

In case of assumed but not visually clear transport damages make sure to mark the following sentence on the delivery bill: **„Reserved delivery due to assumed transportation damages.“**

Insurance and shipping companies act with extreme caution in case of transport damages and sometimes refuse to accept responsibility. Please make sure to provide clear and exhaustive evidence (photos) of the claimed damages.

Thank you in advance for your help and understanding in this matter.

### 1.3. Mandatory application field

This log bundler is designed for firewood wrapping and should not be used for any other application than that. Loading and unloading with the tractor through a Euro Quick Coupler is not possible. Any other use is considered by the manufacturer as “misuse”. In case of misuse the manufacturer will not be liable for any injuries or damages and the operator will be held entirely responsible. Please make sure to comply with these set-up, operation and maintenance/repair instructions in order to avoid happening of any injury or dangerous condition.

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## 2. SAFETY LABELS AND WARNING SIGNS

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### 1. Identification label „BGU-Maschinen“ logo“



### 2. Identification label „Product identification“

This label shows the company details of the manufacturer and the main technical data of the machine.



### 3. Machine safety label „Read, understand, and follow all instructions in this manual and on the bundler before starting“ Keep at safety distance from the dangerous zone!!

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### 3. SAFETY

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**Make sure that no person is allowed within the dangerous zone of the machine! (DANGER while tipping-over and unloading the bundle)**

Do not alter the construction of the machine for no reason whatsoever! Always make sure that the bundler is safely and efficiently attached to the tractor and check the conditions of the locking and guarding devices. PTO shields and guards are important safety features that can prevent serious injury and death. There are instances where the PTO guard must be removed, and though it is time consuming, the guards and shields should always be reinstalled before operating the machinery. While transporting the machine drive carefully and adjust speed to the type of ground and to the load, if available. Worn-out, defective, missing and damaged parts must be replaced strictly with other original parts!

The user shall strictly comply with these operation, set-up, maintenance, repair and troubleshooting instructions in order to assure safe operation and no damages to the equipment. Moreover we recommend to let the machine be run only and strictly by trained and skilled staff who must be familiar with the applicable occupational safety and health administration rules as well as applicable transportation rules. Incorrect use of the splitter can cause serious injury or death. Make sure that full compliance is assured at all times with the general safety and health rules on the workplace as well as the applicable local traffic rules.

No person under school leaving age of 18 should operate a wood bundler. However, young people in age of 16 or slightly more may work on the machine providing that they received adequate training, that they carry all due personal protection safeties and that an adult supervisor keeps standing nearby.

Machine instability can result in injury or severe damages. To ensure stability during operation make sure to choose a flat, dry floor free from any tall grass, brush or other interferences.

The working area around the machine must be kept as clear as possible from surrounding tripping obstacles and slippery foundation floors should be avoided. Dress for safety. Wear close fitting clothes and steel-toed safety shoes. Der Arbeitsplatz um das Holzbündelgerät bzw. Make sure that all access ways are properly maintained so that wood can be safely delivered, loaded and shipped.

## 4. LOADING

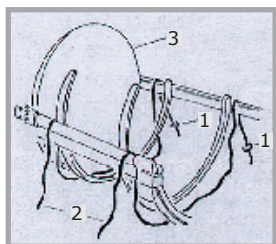


Fig. 1

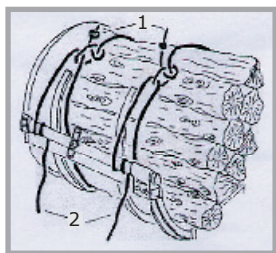


Fig. 2

Before stacking wood into the basket, make sure that the clamping mechanism is engaged and the basket secured against twisting (see Fig.1).

Insert 2 nylon ropes near the steel bunks (select the rope diam. between 25, 30, 50 or 100 depending on the size of the wood sticks).

Tie a simple knot on the ends (1) and slip the other rope (2) past the winch!

Logs must be stacked uniformly into the basket well-fitting the curved bunks that cradle the logs and prevent them from rolling.

Tie a knot with both ends (1) and the loose rope (2). Now, operate the winch crank to stretch the ropes and to lace up the knots!

As soon as „strapping“ is completed, cut the ends (2) and make a simple knot to secure the rope!

### 4.1 Use of the strapping machine (Art. No. 90116, accessory)

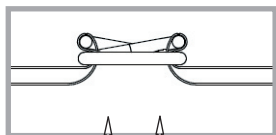


Fig. 3 4 5

1. Take the open end of the polyester band (90118) and arrange it around the wood stack.
2. Make a loop at the end of it, push it through the middle of the steel buckle and insert it into the buckle from the left side (Pos. 4, Fig.3) (Art. No.90119).

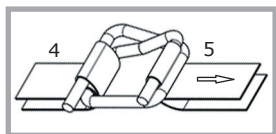


Fig. 4

3. Make another loop (5, Pos.3) on the other end of the polyester band (on the spool) and again make it slip through the middle of the steel buckle. Finally, insert the other end of the buckle into this second loop.  
Manually stretch the Band (5, Pos.4) by pulling slightly in the direction of the arrow.

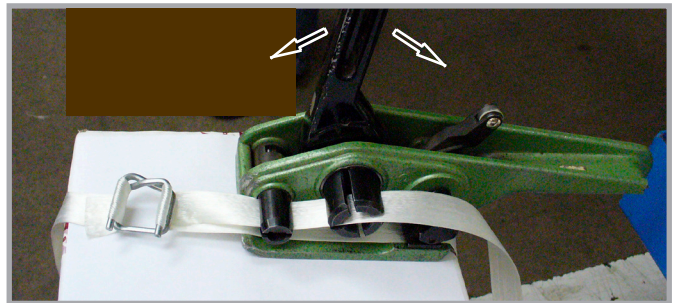
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- 4.** Shift the strapping machine „Spanngerät Profi“ laterally underneath the band and push the lever down to stop and clamp it (see Fig. 4).

Fig. 4



- 5.** Lift the lever up and fit the upper band through the cutter and in the clamping claw as shown in fig. 5.

Fig. 5



Operate the lever several time up and down to stretch the band completely.

Fig. 6





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**6.** Now, quickly press the lever handle down to cut the band (as shown in figure 7)

Fig. 7



**6.** Remove the stretching machine pulling it out from one side (Fig.8) and repeat the procedure.

Fig. 8



## 5. ASSEMBLY

Connect the bundler to the tractor by means of the special 3-point hitch. Insert the fixation pins and secure them using the respective cotter pins.

Make sure that the bundler never stands on the front leg only, when used at maximum load.

The upper hitch point must be conveniently adjusted so that the machine always stands on all legs.



**Failure to comply with this instruction, major damages may occur to the basket!**

To mount your HBG bundler on a front loader (see Fig. 9), you need a Euro Quick Coupler. Eventually, the latter can be also mounted to the 3-point hitch.

For bundler installation on a front loader, the wood bundles may also be stacked on top of each other. To do so, you need to a special hydraulic cylinder for the tipping over of the bundles. (see point 6 ).

Drive the tractor/loader up, so that the pin holes of the loader's draft arms are nearly aligned with the lower hitch pins of the Euro Quick Coupler and then raise the draft arms up. (Fig. 9)

Secure with the hitching pins and security clips.

Connect the hydraulic hoses to the adapter of the tractor.

Fig. 9



## 6. TIPPING OVER OF THE BASKET

The bundler can be also operated by means of the hydraulic cylinder (Fig.10).

***The hydraulic cylinder is optional and is supplied on request against payment of an extra charge (Art. No. 90211) .***

When operating your bundler through the cylinder, please note:

**Before switching the bundler on, remove the locking mechanism for manual drum operation. Failure to do so, may lead to out-shifting of the cylinder and severe damages to the bundler and its Euro Quick Coupler.**



Fig. 10

After complete hydraulic connection, the HBG bundler is ready for operation by means of power takeoff from the tractor. A special control valve is provided for laterally tipping over of the basket.

*For bundlers without cylinder, the locking mechanism can be manually controlled to tip over on both sides.*

### 6.1 Optional Euro Quick Coupler

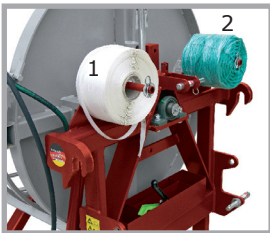


Fig. 11

Additional accessories and aids :

- Polyester textile band (1, Art. No.90118)
- Nylon rope (2, Art. No. 90203)

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## 6.2 Installing the (optional) cylinder

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Before starting to assemble the machine, the manual crank lever for tipping over the basket must be dismounted (see point 6, page 11).



Fig. 12

- **First of all** you need to secure the cylinder **on top** to the special plate using a 95 mm long bolt Ø 20mm (center bore), a flat washer A 21, a Starlock spring Ø 20mm and a locking bolt (Fig. 12)



Fig. 13

- **After completing above step one**, secure the **bottom end** of the cylinder to the special plates using 95 mm long bolts Ø 20mm (central bore for locking bolts), a Starlock spring Ø 20mm, a flat washer A 21 and a locking bolt (Fig. 13)
- Now connect the hydraulic hose (1.35m)

## 7. REPAIRS AND MAINTENANCE

Before starting to work with your bundler, visually check the machine to assess the presence of eventual missing parts or defects.

Using original spare parts for your machine will not only help you avoid costly production downtime, but also allows you to obtain a production in line with our safety and operating specifications. Make sure to perform timely periodical lubrication of all bearings on the machine.

Radial thrust bearings are to compensate the unavoidable production-related range of tolerance. Lubrication of radial thrust bearings is NOT required, as the thrust function is only used once at the time of assembly, which means that the existing lubricant film will remain on.

### 7.1 Consumables

The machine is equipped with the following consumable parts for

- Hydraulic hoses (must be replaced every 4-5 years)
- Bearings

## 8. TECHNICAL DATA

Technical Data	HBG 100-2
Log length/firewood capacity	33/50/100 mm
Length	1215 mm
Width	1280 mm
Height	1400 mm
Weight	230 kg

All technical data in this manual may be changed by the manufacturer even without notice as a result of implementation and quality upgrade.

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## 9. HANDLING AND TRANSPORTATION

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The firewood bundler can be handled as described under Section 6 of this manual either on the 3-point hitch of your tractor or on a front end loader.

The bundler attaches both in the front and in the back of a tractor by means of Euro Quick Coupler.

## 10. DISMOUNTING AND DISCARDING AN OBSOLETE MACHINE

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When the bundler is fully obsolete and cannot be of any longer use, it should be duly dismantled ahead of discarding. Certain components need deactivation and dismantling in order to assure that no further use is made by other parties and that no worn out parts are recycled for other applications.

During dismantle be alert for possible recyclable materials and components that belong to differentiated waste collection procedures applicable in your country.

The manufacturer is not liable and undertakes no responsibilities for personal injuries or damages that may result from the recycling of worn out machine parts for eventual re-use in other applications different than the originally stated in this manual.

### **Dismantling procedure:**

Take good note please: each and every dismantling task must be performed by authorized service centers or trained skilled staff only!

- Lock and clamp all moving machine parts and pull the machine into single components
- Deliver each single component only to authorized waste management facilities
- Drain oil and fuel out of respective tanks and lines before disposal of the machine
- Remove rubber and plastic parts from the machine that must be separately disposed of.

Deactivated, clamped moving/driving parts and components are of no further risk and danger.

Electric components must be separately disposed to avoid substantial environmental threat. In the event of the fire on the electric deployment system of the machine, use an explosion-proof extinguish system is required (for example powder fire extinguishers).

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## **11. LEGAL WARRANTY**

All BGU machines are covered with legal warranty. Customers should promptly notify eventual material, production or workmanship claims on their detection. While asking for warranty service, customers should show copy of their purchase invoice or receipt. The warranty does not cover for faults due to natural wear, temperature or weather agents as well as misuse, faulty installation or improper lubrication. No warranty will be given on parts damaged by improper handling or wrong connections. No warranty applies for cases of major force or of misuse (for example modifications of the machine or customized installations done by the customers or unauthorized thirds). No warranty is given in case of machine overload.

Consumable parts (pads, wedges and general materials) as well as adjustment and/or setting and retrofitting services are not included in this warranty.

## **12. EXTENDED WARRANTY**

All SÚMA equipment is covered with 24 or 12 months total warranty from the date of purchase for private/industrial users and rentals. The total warranty does not substitute nor void the legal warranty. Customers should promptly notify eventual material, production or workmanship claims on their detection. While asking for warranty service, customers should show copy of their purchase invoice or receipt. Buyer's address and type/model of equipment must be clearly stated in the case of industrial users/contractors/dealers. All claims related to material or production failures during the total warranty time, shall be repaired notwithstanding eventual user's faulty/wrong operation or maintenance.

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## 13. EC – STATEMENT OF COMPLIANCE

to the EC Machines Directive No. 2006/42 and EMV (Low Voltage) Directive 2004/108

We hereby declare that the equipment described in this manual responds in full to the actual version brought on the market. We, the manufacturer further declare that this equipment was duly designed and manufactured in accordance with the actual European Safety and Health Standards settled by the relevant EEC directives as well as the latest electromagnetic standards issued by the European Council of 3.5.89 and later enforced by all member states. This statement of compliance does not apply to customer modifications of the equipment without manufacturer's written approval.

Machine type:	<b>Firewood bundler</b>
Models:	<b>HBG 100 - 2</b>
Production No.:	see Machine Identification Plate
Applicable European Standards:	EC Machine Directive 42/2006 EC Low Voltage Directive (93/68 EWG) 2006/95/EG EC-EMV (ElectroMagnetic Compatibility) Directive 2004/108

Person responsible for the technical documents: Jörg Kernstock (Director)

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Nordhausen 19.07.2010

Date

Official user's language:



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Jörg Kernstock (Director)

English (User's release)











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