

LEVELLING IN PERFECTION





INTRODUCTION

OUTSIDE OR INSIDE

In the long run, the work with the Granubot will allow you to save a lot of time. We therefore invite you to take a few minutes to become familiar with the assembly instructions.

We address you as an expert and assume that you have basic experiences in levelling and in the previous and subsequent steps. As the work process itself, however, has changed to some extent, we will give you some tips for these situations in practical use on the construction site.

Furthermore, the following instructions are based on "usual" construction site conditions.

IMPORTANT



The GRANUBOT was developed for the use with a laser. You need a red rotating laser with a rotational speed of approx. 600rpm for the work with this device.



INTERESTING FACTS MATERIAL

TRANSPORT

- ✓ The dimensions have been chosen to enable the transport with any passenger car.
- ✓ The tripod should be stowed in the packaging or in another protective wrapper in order to prevent damages.
- ✓ The hard-shell case for the actuator and the accessories provides an optimal protection for the parts.
- ✓ In folded condition, the front, closed part of the black handle enables the safe, single-handed transport. Please ensure that the transport lock at the device is fixed properly.
- ✓ The rear, open part of the handle is used when the device is installed in an operational way and shall be relocated.

CARE

- ✓ Although the device is splash-proof, please only clean it with a cloth.
- ✓ Avoid contaminations, in particular at the moving parts, when using adhesives or bound granulates. The manufacturer accepts no liability for this.
- ✓ All moving parts and bearings do not have to be lubricated or greased.
- ✓ Ensure clean contacts at the rechargeable battery, at the actuator intake and at the actuator itself. Clean these with a cloth or with very fine sandpaper (grain size 400).

OPTIONAL ACCESSORIES

- ✓ Base extension for an installation height of 10cm to 23cm.
- ✓ Sand shoes for the positioning on a soft surface or on film.
- ✓ Alternative sword depending on the material.
- ✓ Tripod for laser with engraved scale for an easy adjustment of the working height.

AREA SIZE:

SMALL MEDIUM LARGE



DRY MATERIAL WITHOUT BINDERS

Granules, dry bulk, grit, bulk insulation



DRY MATERIAL WITH BINDERS

Granules, bound fill, grit, light-weight screed, lightweight concrete



LIQUID MATERIAL

Filler, leveling compound, light filler, tile adhesiver



HIGHLY VISCOUS MATERIAL

Screed, wet screed, cement, mortar, mortar bed, concrete



ASSEMBLY

NO TOOLS ARE NECESSARY!



1 Firmly press down the black transport lock under the legs with both hands. Turn it by 90° under the black supporting leg and let it click into place.



2 Stand next to the device and tilt it slightly towards yourself. Swivel out the yellow leg by 120° (orientation at the triangular plate). Fix the position with the lever.



3 Tilt the device again and swing out and fix the second leg. All three legs should now be bent at a uniform angle from the triangle.



4 Release the second transport lock at the action arm by means of the adjusting screw. Put the latch onto the fixture and place it over the bolt.



5 The left arm with the actuator intake swings out of its locking by slightly turning the two joints. (Insert it here again for assembly!)



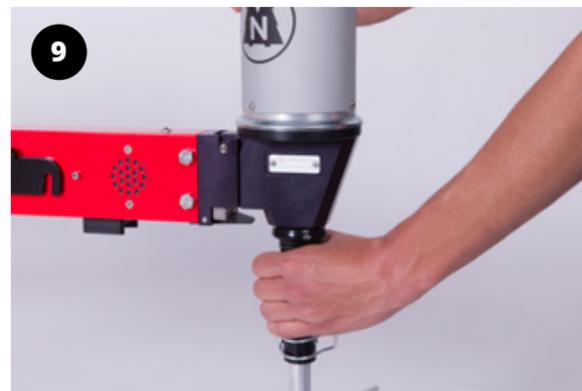
6 Release the clamping screw and pull out the counterbalance up to the stop. (If necessary, adjust the tripod with the handwheels at the feet; observe the levels!)



7 Insert the peeling sword into the axis and fasten it with the clamping bracket. The actuator is ready for operation now.



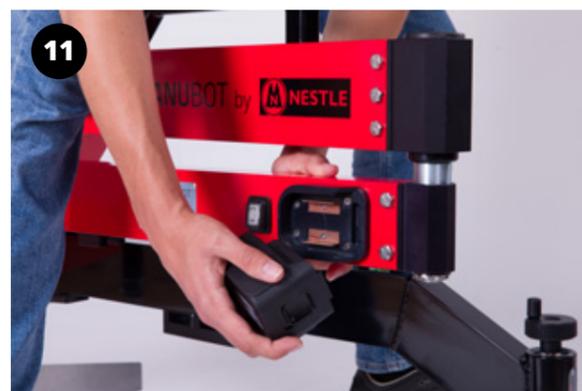
8 Support it at the cylinder, hold the handle with the other hand and place the actuator on the fixture in a slightly inclined position.



9 Swivel the actuator to a vertical position and let it click securely into place. **Note: The seal is still very tight when mounting it for the first time!**



10 Release the locking lever again for disassembly!

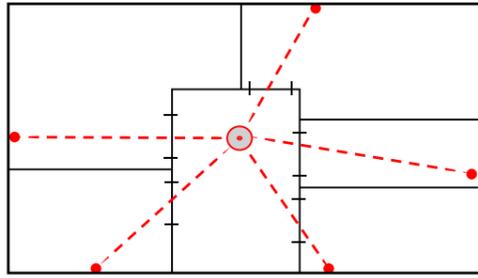


11 Put the charged battery into the fixture. **TIP: Charge the second battery!**

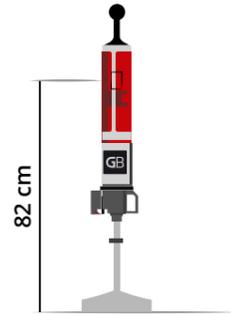


12 Press the switch for switching on and off the device. **Note: Please retract the sword completely prior to switch-off, in order to stow it in the case!**

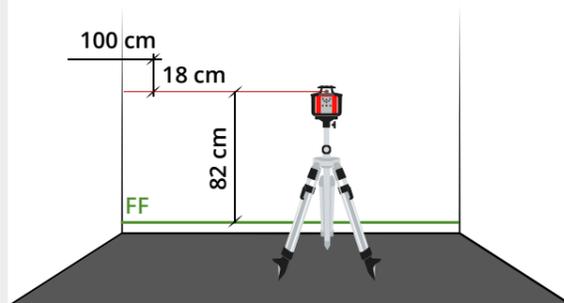
ASSEMBLY OF THE LASER



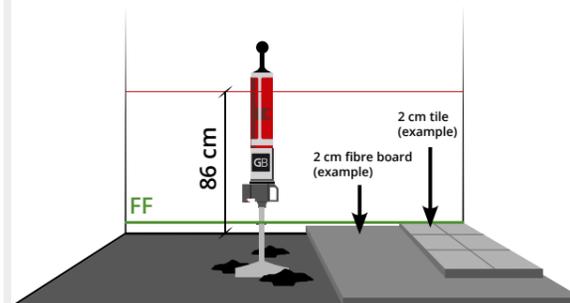
Choose the position appropriately in order to determine reference points for further rooms.



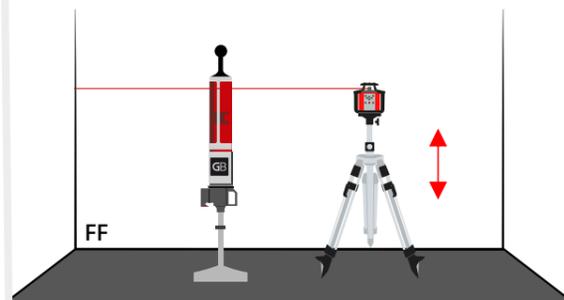
Important for the determination of the height:
The height from the middle of the sensor to the lower edge of the regular sword* is always 82 cm.
*Note: using a different sword, the lower edge might be deeper!



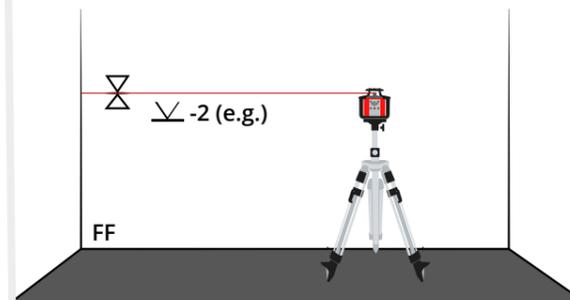
The laser beam and the middle of the sensor are equal. In case of a setting to e.g. 18 cm* below the metre level, the sword will peel to FF.
(*observe the individual floor structure!)



Check: Distribute a small amount of fill material with the switched-on device and measure e.g. by means of a straightener in order to be able to measure precisely up to the metre level.



If a correction is necessary or if the compaction of the respective fill material must be observed, you can simply adjust the height at the laser.
The sword adapts to the new situation!



You can transfer the height to as many other rooms as possible after the exact height has been determined at the metre level.

TIP: Even in case of a difference in height from one room to another due to individual flooring: Mark this reference point plus the changed dimension!



IT'S READY FOR OPERATION!

TIP: Relieve yourself and the actuator by distributing the fill material effectively in order to prevent pushing unnecessary "large amounts" of fill material ahead of yourself!

WORKING WITH GRANUBOT

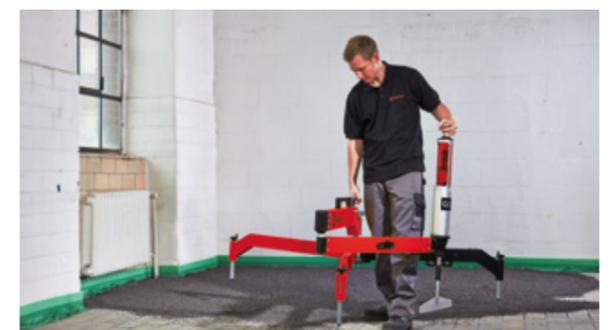
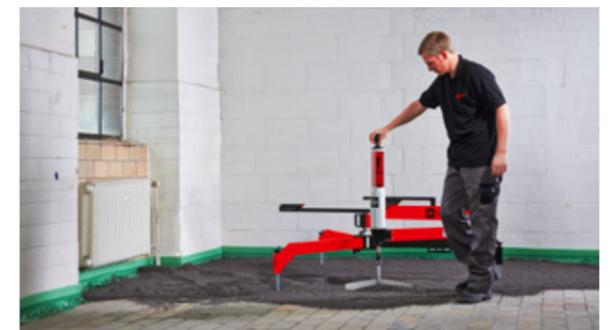
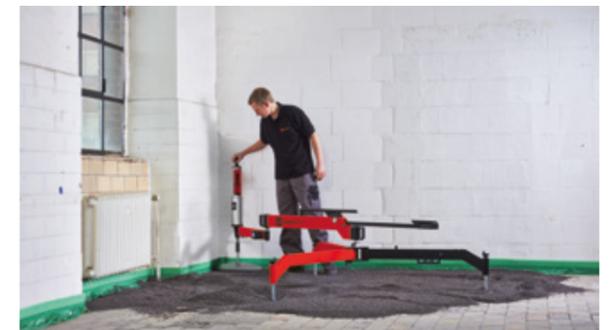
Pour the granulate onto several heaps. Example: You need one bag per square metre for 50 litres of bagged goods and a calculated height of 50 mm. Distribute the granulate now by pushing the material into the free space by means of the sword. Use your foot as an aid, if necessary, in order to push excessive fill material aside or to push fill material from the next heap in front of the sword. Ensure that there are cavities every now and then in order to distribute excessive material in these cavities.

Position the Granubot appropriately in a corner of the room. The Granubot stands correctly, if you can still reach the entire corner of the room with outstretched arms.

You can work comfortably under the device. In this way, you can peel 8 or more square metres in no time before you have to relocate the device.

The Granubot can be relocated swiftly: Put one hand onto the handle of the tripod and the second hand onto the operating button of the actuator, lift it, walk two to three steps and put it down again. The actuator finds the height automatically and you can continue working without any interruption. Finished surfaces can be accessed without reservations. The resulting footsteps can be removed quickly by peeling.

In a few cases, the sensors are outside the reception range after relocation. This is indicated by an acoustic and visual signal from the work light. Press the main switch next to the rechargeable battery and restart the Granubot. The actuator automatically searches the height again.





TECHNICAL DATA

Weight

Tripod	23 kg
Case (incl. 1 actuator, 2 rechargeable batteries, 1 charger, 1 sword)	11 kg

Dimensions

Tripod	95 x 60 x 20 cm
Case	95 x 42 x 22 cm

Energy supply

Rechargeable battery	Li ION 14.4 V / 3.5 Ah
Charging exclusively with the provided charger	approx. 1 hour
Operating hours	6 hours

Working area

Radius of action	160 cm
Installation height	0 cm to 13 cm (max. 16 cm)*
Travel distance sword y-axis	10 cm
Reception range sensor	2,4 cm

Performance depending on material and installation height

Average	30 m ² / h
Very small rooms	20 m ² / h
Large rooms	at least 40 m ² / h

*Use additional base extension for higher installation!



Gottlieb NESTLE GmbH
Freudenstädter Str. 37-43
D-72280 Dornstetten

Tel.: +49 (0) 74 43 / 96 37-0
Fax: +49 (0) 74 43 / 96 37-50
info@g-nestle.de
www.g-nestle.de/Granubot/



Do you have any
questions? Feel free to
call us!