

## MattMill Student Documentation

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### 1.1 Objective

This present construction MattMill is a device for the manual crushing of dry barley and wheat grains, respectively, with the purpose of preparing malts for mashing at a homebrewer scale (non-commercial).

### 1.2 Exclusion of liability

This present construction was designed to the best of the constructor's knowledge and belief. The distributor cannot be held liable for imperfections of the design and is hereby excluded. For the incorrect usage, i.e. differing from section 1.1, especially the non-stop operation and the installation of a motor, only the operator of the construction can be held liable.

### 2. Warning



During the operation of the MattMill sources of danger are existent. Only adult persons are allowed to use the system! Do not remove safeguards! Only operate with the funnel attached. During usage any manual intervention is dangerous and can lead to major injuries. Crushing of material not stated in section 1.1, especially the insertion of foreign matter must be excluded by the operator. The device is not suitable for the long-term storage of goods and has to be filled directly before use. Any leftover has to be removed instantaneously.

### 3.1 Operation

Mount the MattMill Student tightly onto a wooden board, table etc using adequate screws. Make sure that the mounting will remain tight during usage. The outlet at the bottom must remain open.

To collect the crushed malt it is recommended to place a sufficiently large container below the mill.

Mount a funnel (optional):

A large PET soda bottle (e.g. 1.5 or 2 l) can be used as funnel. For this cut off the bottom of the bottle. Place the bottle neck into the top grain opening hole and carefully secure the bottle by gently tightening of the set screws (please use an Allen key SW3).

Prior to the first usage please crush and discard approximately 100 grams of grain in order to ensure that no montage residues will remain in the housing.

Maximal rotation rate ~ 400 rpm.

### 3.2 Maintenance and cleaning

The MattMill Student is maintenance-free. In case of any irregularity please contact the distributor.

Do not use liquids for cleaning. Only tapping, brushing or blow-out with air should be used.

It is recommended to regularly check that all screws are tight. Furthermore regularly check the ease of movement of the rollers when the mill is empty.

### 3.3 Storage

In order to avoid corrosion cool, dry storage is recommended.

### 4. Adjustment

The MattMill Student cannot be adjusted. The gap size is set to ~ 1.2 mm. For finely crushed malts 2 consecutive milling rounds are recommended.

### 5. Actuation screw and hand crank (optional)

To mount the hand crank the actuation screw needs to be dismounted (if applicable). Block the rollers from the bottom side using a wooden wedge. Do not use screw drivers etc. Place the wooden wedge from below between the rollers to avoid movements to the left. Using a wrench size 13 loosen the lock nut of the actuation screw by a left turn. Replace the actuation screw by the hand crank by screwing the crank into the actuation roller (right turn). Fix the hand crank by tightly securing it with the lock nut. Remount the funnel and the hand-driven MattMill Student is set to go.

### 6. Malfunction

The MattMill Student can be opened easily e.g. in case one of the rollers only turns with difficulties. For this, unscrew the 4 housing screws with an Allen wrench size SW5. Make sure that everything sits in the correct positions when remounting the mill. When in doubt contact your distributor.

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