

# TEAL

Innovators in seed equipment

## Seedshaker tubes & plates

Grinder for seeds  
& plant tissue

**HIGH  
THROUGHPUT  
GRINDING IN  
A ROBUST  
WAY**

**DURABLE  
DESIGN  
&  
EASY TO  
OPERATE**

## Use of the machine

The machine is developed for high throughput grinding. The integrated mechanism of both the shaking positions operate together so the machine needs to be loaded equally.

Programming the machine is easily because of the touch screen on which you can set running time and rpm. Running time of the machine is advised from 30 seconds up to 8 minutes depending on the tissue/ seed.

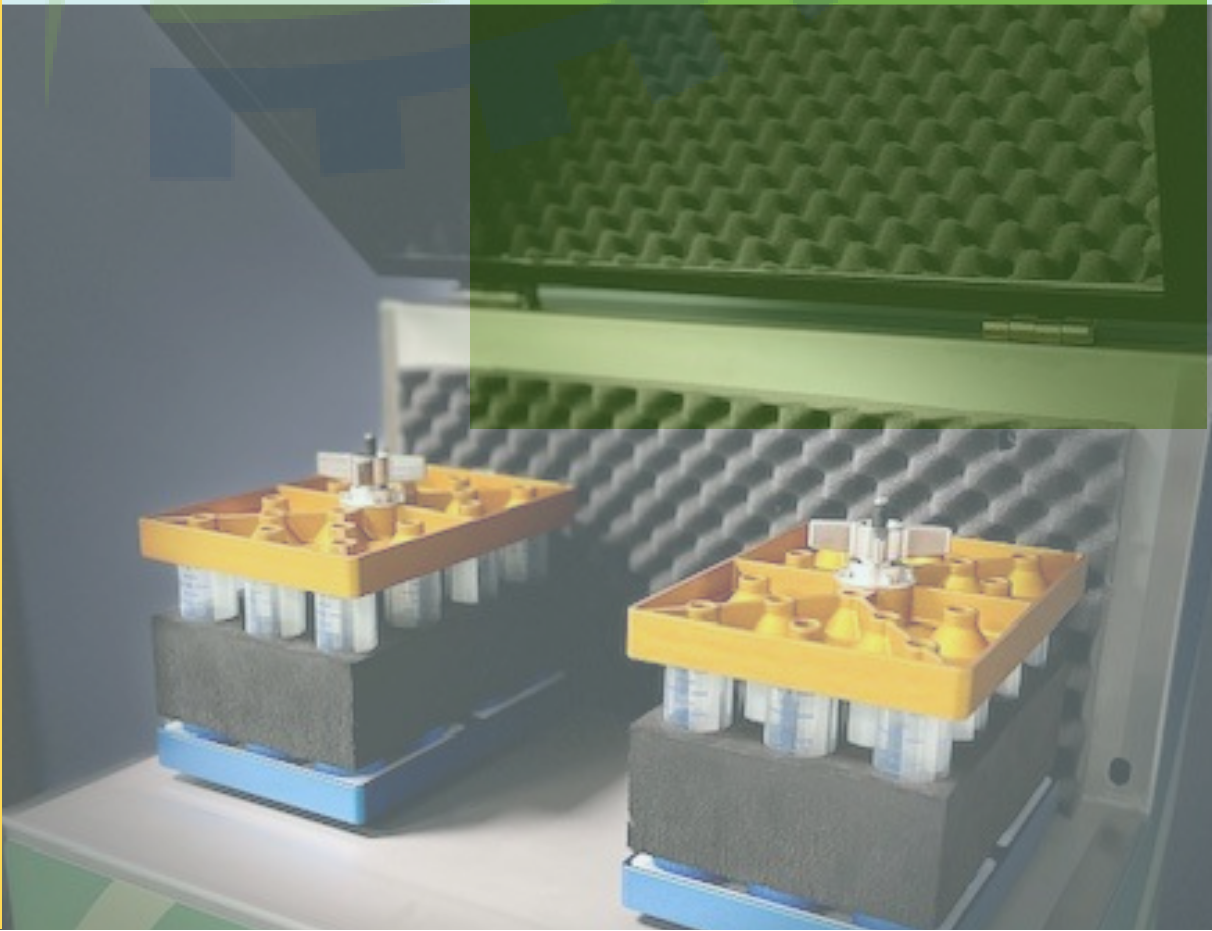
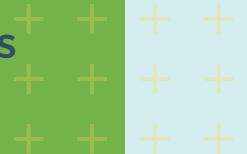
## Capacity

The machine can handle 8 deepwell plates or 16 shallow plates in one batch.

Weight is maximized to 1400 gram per batch.

Tubes can be processed in the same machine, with the special 50ml tube set.

The machine can process 32 tubes of 50ml in one batch.





## Benefits

- Uniform extraction between the wells
- Extracting maximum DNA concentration
- Very low temperature increase so limited DNA/protein fragmentation/ denaturation.
- Extraction can also be used for the preparation of the analyte in quality and quantity and is appropriate for the analytical method used to quantify.



## Installation

Be aware that the effect of vibration of the machine can be disturbing in a silent surrounding such as a lab.

It's important that the Seedshaker is installed properly and on a platform that can absorb vibration. Teal supplies suitable options.

Dimensions (HxDxW)	610x470x500mm
Weight	69 kg
Connection	230V
Noise level	68dB

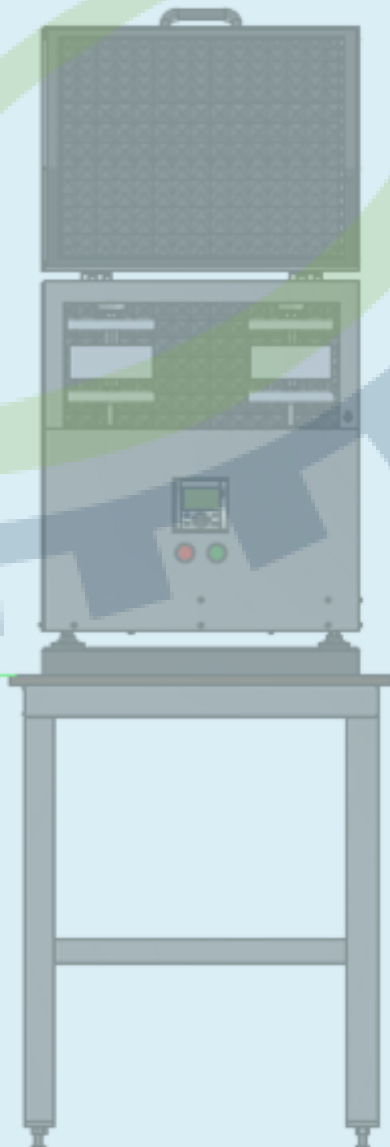
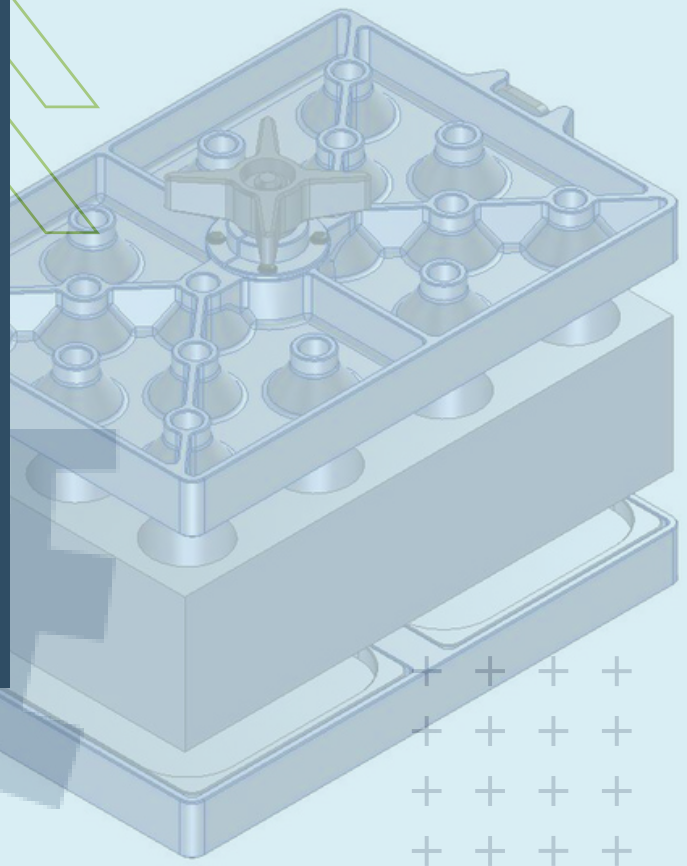
# Accessories

Good results of the machine can be supported by the right accessories. TeaL has a range of accessories which can be offered to use in the machine. Special parts can always be custom made.

Available accessories on stock:

- 50ml tubes adapter set
- Supports for vial racks
- Table
- Anti-vibration tile
- Grinding media like beads
- Transport crate

Also ask for our **Ball Dispenser** to fill plates and **Manual Capper** to press the mat on the plate.



## TeaL delivery, service & maintenance

Delivery of a machine is always included:

- A user instruction
- 1 Year guarantee (by normal use)
- CE-marking of equipment
- User manual

## Service

TeaL advises preventive maintenance inspections on a (semi) yearly basis (depending on use). TeaL does a thoroughly inspection, worn parts will be replaced and a full inspection report will be received by the user. All spares are on stock in The Netherlands.

## Maintenance

In case of malfunction, TeaL always has a spare machine to use. The defect machine will be fixed in 1 week. Spares on stock can be sent the same day. Maintenance is always executed by TeaL Engineers.