

**MECHATEC** BV  
**BOX HANDLING SYSTEMS**



**KK 3000**







## SOLID, SIMPLE, SMART DESIGN

### THE MECHATEC KK3000 CRATE TIPPER.

Mechatec is specialised in producing machines for filling, rotating, washing and emptying crates. This solid KK3000 crate tipper is used by agricultural and industrial businesses for emptying crates easily and in a product-friendly way. There are 2 versions of the stationary model: the mechanical version and the automatic version.

#### THE KK 3000 CRATE TIPPER

The generous 1.80 m entry area means it is easy to place the crates in the tipping frame. The tipping mechanism is raised by means of the forks on the forklift truck or the hydraulic power unit, allowing the crate to be tipped. When tipped, the crate is moved forwards by 1.2 m, so tipper trucks and lorries can be loaded in the centre.

The unique tipping mechanism allows the crate to be tipped to an angle of 170 degrees, ensuring that the product does not have a chance of staying in the crate. If that were the case, the “smacker” option in the hydraulic damper with an accumulator system offers a solution. After tipping, the damper controls a careful but rapid return of the crate.

The tipping frame’s height is adjustable, which means that both bins and lorries can be filled. The tipper is designed for long-term, efficient and effective use in all parts of your business.

For instance, it is easy to move it, due to the fork covers at the bottom of the basic frame; additionally, the frame’s height can be adjusted with a pin-and-hole system.

The columns contain a few steps, making it easier for you to position the higher locking pins.

#### MORE WORK CAN BE DONE WITH LESS MANPOWER

The ratchet and pawl construction means that the forklift truck is always available and the crate is emptied gradually while you get on with other jobs. The crate is automatically released when you tip it all the way and the system can be put out of operation by tipping it backwards.

Other options include automatic tipping, a check shake and reverse tipping; all you need to do is place and remove the crate - everything else is done fully automatically. The advantage for you is that you can put your staff and forklift truck to the best possible use.

#### AUTOMATIC TIPPING WITH EMPTY CHECK

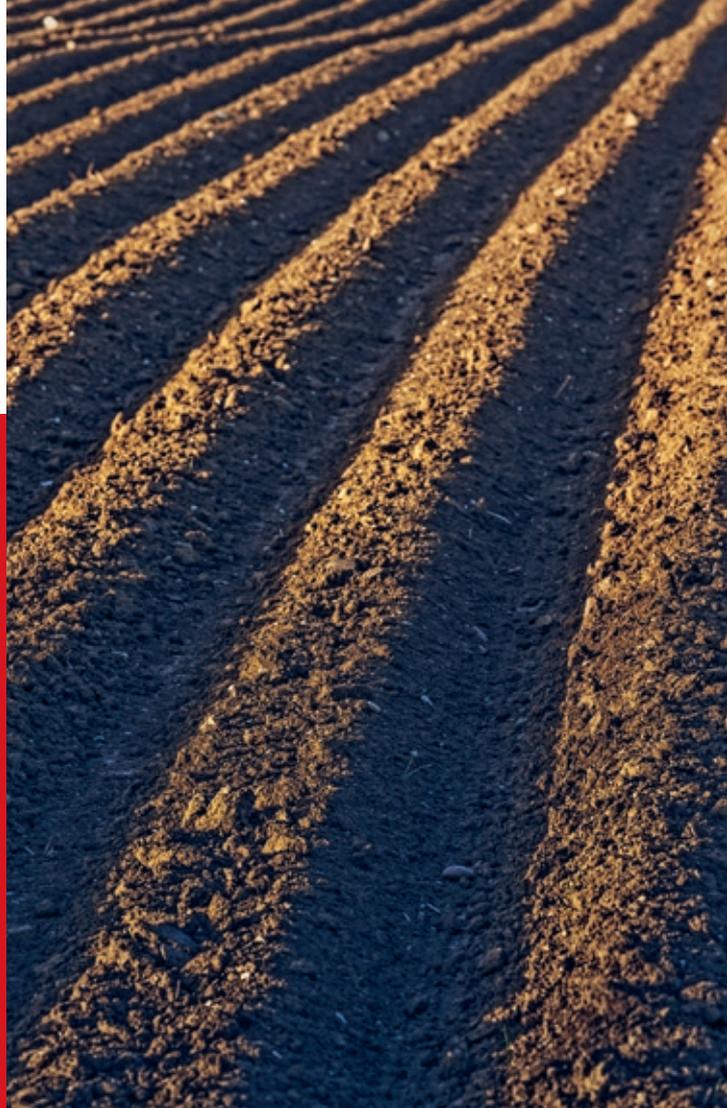
Mechatec also offers the option of automating the tipper by means of fitting the machine with a hydraulic unit. With the press of a button, the crate tips automatically and remains where it is until it is empty.

The emptying can be controlled/dosed with a sensor which checks the height of the product so that forklift truck does not need to wait until the crate is empty. When the sensor notices that the product is not longer coming out of the crate, the system automatically tips the crate back again.

The system can be set to give a follow-up shake, but usually, it is not needed because the tipping angle is more than sufficient.

Another option allows you to shake soil/mud out of crate by means of a vibrating motor that makes the crate vibrate after emptying.

**MORE INFORMATION IS AVAILABLE AT [WWW.MECHATEC.NL](http://WWW.MECHATEC.NL)**



## STRENGTHS/ADVANTAGES

- Solidly-constructed machine
- Height is between 2 to 4.2 metres
- 3-year guarantee on the construction
- Crate is moved forward when tipped
- Crates are guaranteed to empty properly due to the 170°-tipping angle
- Vibrating system shakes soil/mud loose
- Hydraulic damper brake system with an accumulator
- Options for automationn
- Flat base +/- 10 cm in height with reinforcement at the level of the columns
- Removable upper beam or crate supports for an open construction

## TECHNICAL SPECIFICATIONS

### KK 3000

Height	4.2 m
Width	2.45 m (for crates up to 1.8 m)
Depth	2.4 m
Weight	980 kg
Columns	HEB 160
Capacity of hydraulic unit	3~ 400V 16A 1.5 kw
Maximum crate weight	3 tonnes
Galvanised	on request

## OTHER MECHATEC MACHINES



KK 3000 CRATE TIPPER



FLOWMASTER CRATE AND BIG BAG FILLER



BOXER CRATE ROTATOR

## CONTACT DETAILS

**MECHATEC BV** Box Handling Systems | Het Revier 1 | 8309 BE Tollebeek (NL)  
T. 0031 (0) 527 760100 | [info@mechatec.nl](mailto:info@mechatec.nl) | [www.mechatec.nl](http://www.mechatec.nl)