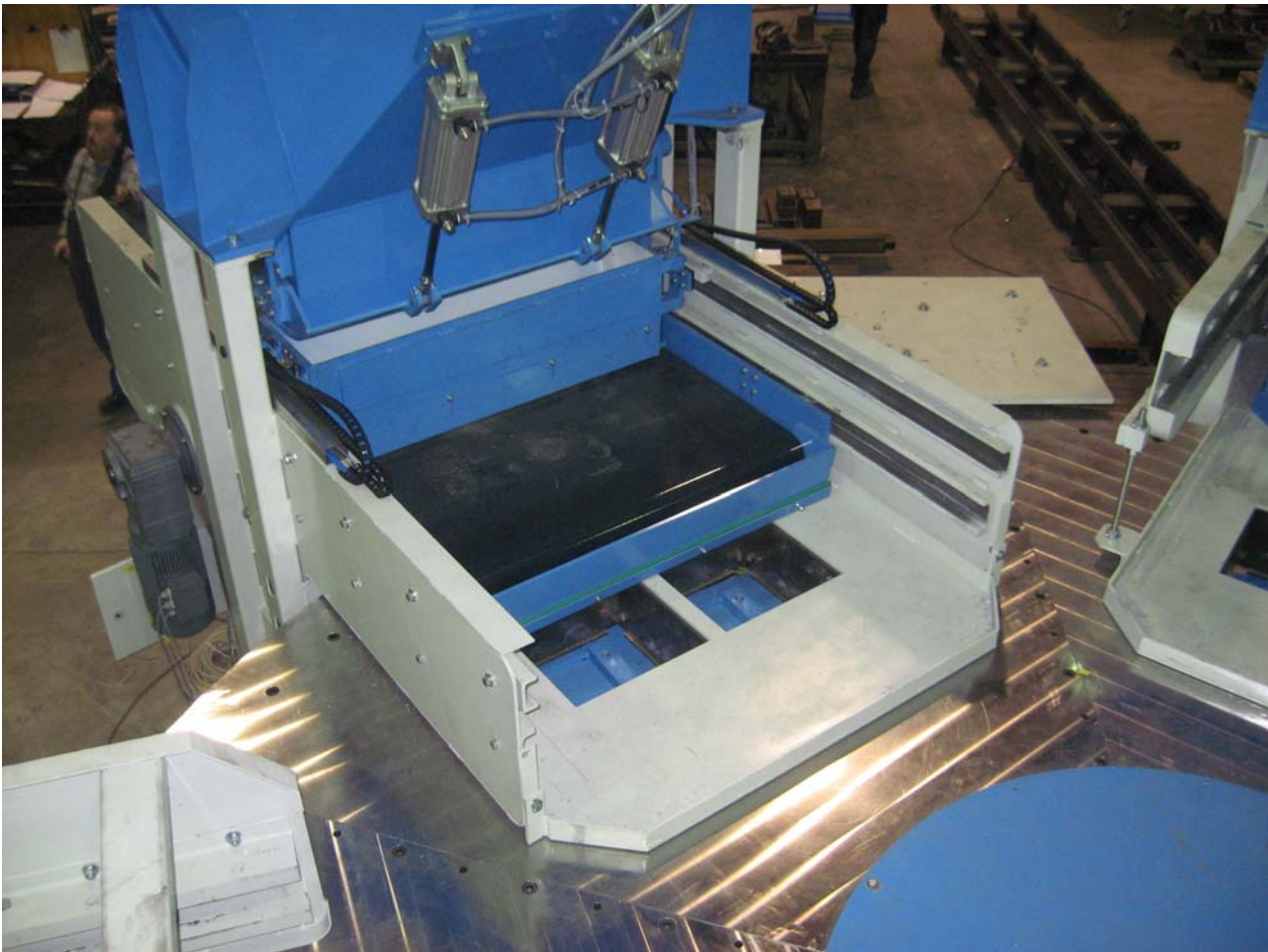


## RBA Band Filling Device



**RBA band filling device**

### **Advantages of the newly developed band filling device compared to conventional filling devices:**

- very fine spread of face mix
- no need for filling devices
- no shifting of paper if placed
- allows relatively humid spreading of concrete

as a result:

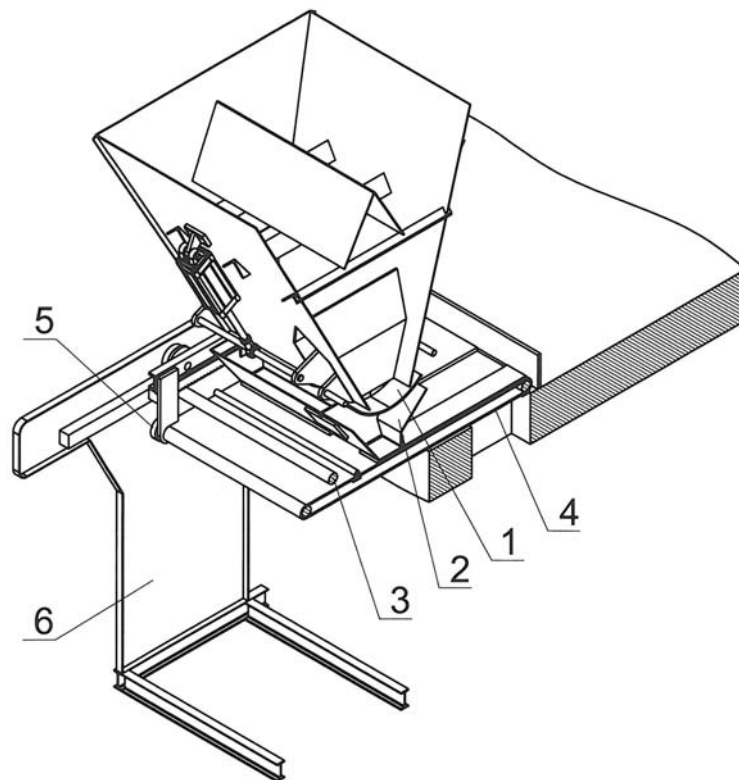
- approx. 20% face mix savings
- higher quality of face mix respectively of end products
- less waste, less complaints

## 1. Technical description of positions

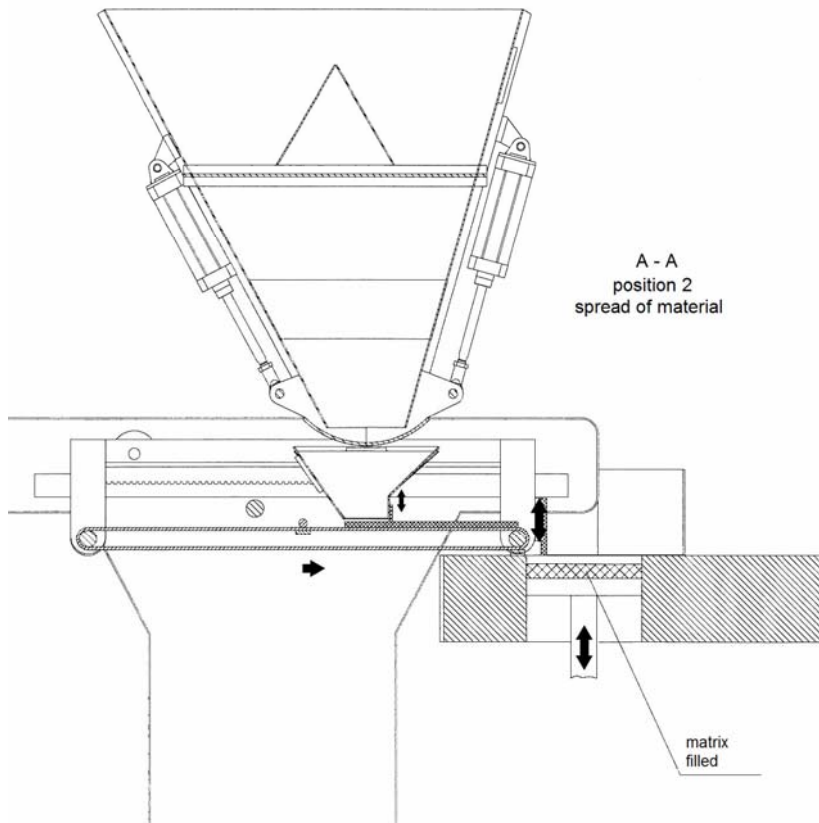
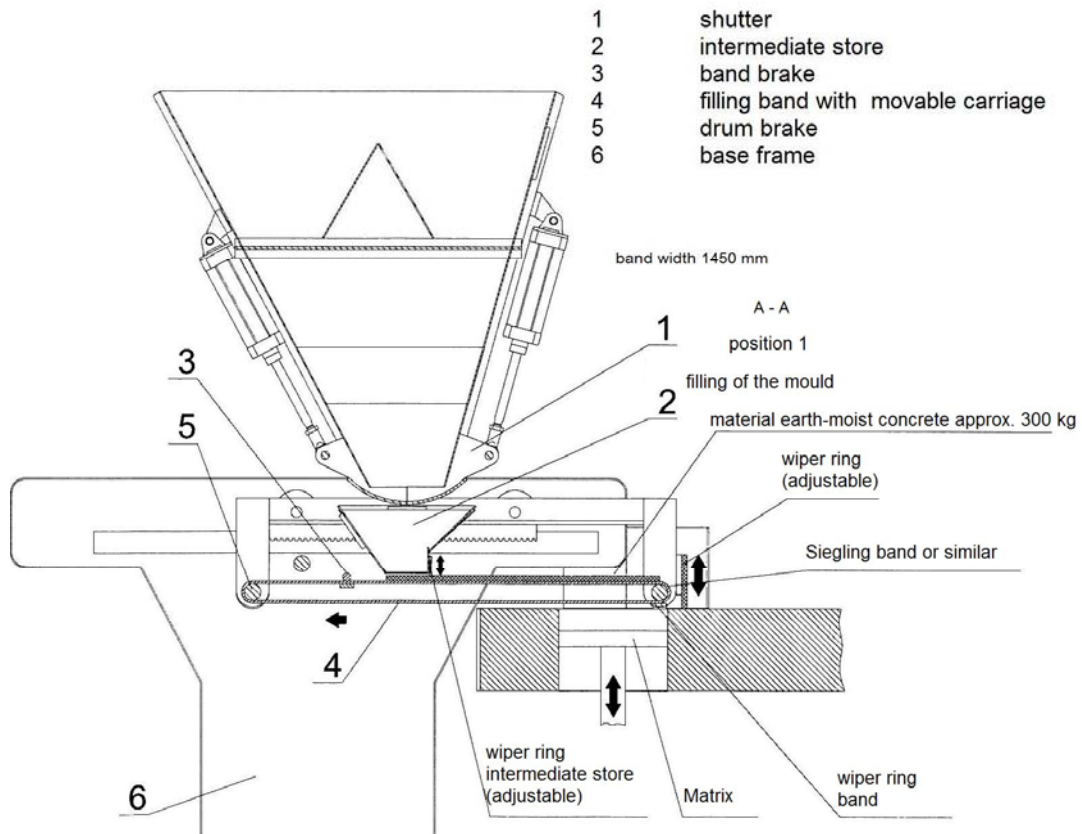
### Pos. 1 two-piece shutter with hopper

To allow steady-going filling of intermediate store hopper is equipped with pneumatically-operated two-piece shutter. Via two-piece shutter intermediate store is filled with the quantity of mix necessary for filling of one mould (plus approx. 50% surplus material).

Filling of intermediate store is determined by load cells (analogue status query via measuring amplifier)



- 1 shutter
- 2 intermediate store
- 3 band brake
- 4 filling band with movable carriage
- 5 drum brake
- 6 base frame



## Pos. 2-6 band filling device

Filling device in detail consists of:

Pos.2: intermediate store fixed on base frame directly below hopper. Functioning: the intermediate store below the hopper via shutter mounted on hopper receives just the quantity of mix necessary to fill the mould. Thus too high compression of mix during haul-off by subjacent filling band is minimized. Depending on format the intermediate store is equipped with various manually replaceable inserts for differing slab sizes as well as corresponding wiper rings to reach a defined filling width on the filling band.

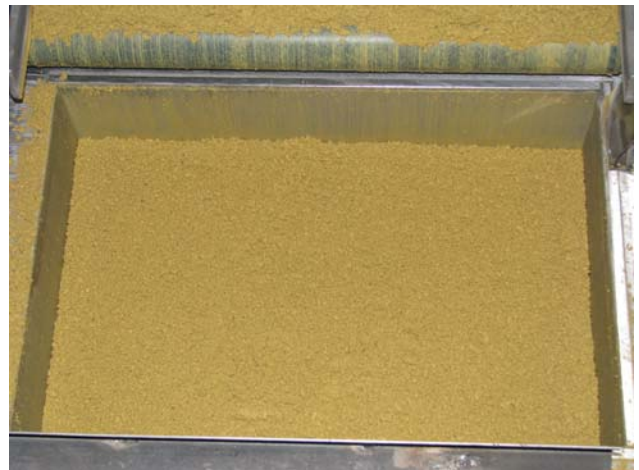
During table turning filling band moves in direction to centre of turntable and thus is filled again. Thereby filling time can be reduced.

Pos.3: band brake holding the non-driven filling band for filling of the mould during return of the carriage thus allowing constant filling (pos. 1)

Pos.4: non-driven filling band mounted on a movable carriage. Carriage driven by geared motor, for adjustment of optimum filling speed a frequency converter is used.

Pos.5: drum brake for band stopping during forward movement, thus allowing steady spread of material (pos. 2)

Pos.6: frame housing hopper and component band filling device.



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