

THE DRAWER SYSTEM



SERIOUS CHALLENGES

Modern mushroom cultivation knows serious challenges. In the area of personnel, for instance. Finding and keeping the right people, working as ergonomically as possible, rising labour costs. And how do you ensure a maximum harvest? And that the mushrooms are picked at the optimum time? Not too early, not too late and cut at the ideal height? That is difficult to determine.

With these challenges in the back of our mind, we have combined our innovative approach with our proven technology to create: the drawer system.







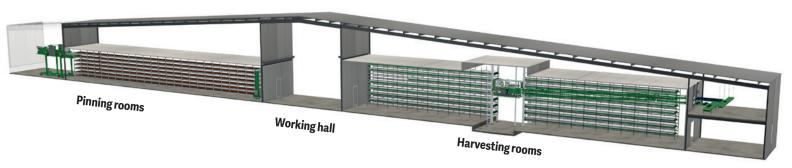
THE CONCEPT

Proven technology was the basis for developing our drawer system. A system where we split the growing into 2 stages: pinning rooms and harvesting rooms. The dedicated pinning rooms keep the focus on the job. Production schedules are carefully coordinated, optimising the pinning and harvesting process and maximising the return on the investment in automation.

Working with two stages is also more hygienic and prevents diseases.

Once the pinning room is filled, the cycle starts. After +/- 2 weeks the bed with pins are easily transferred to the harvesting rooms where pickers focus on harvesting only.

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MAXIMISE YOUR HARVESTING PERFORMANCE

- · Pickers harvest with two hands
- Eliminate picker tasks like logistics and cutting
- Guaranteed double harvesting efficiency: tested and proven
- Mechanical stamp cutting increases production with 3-4%
- Easy moving beds for optimal harvest selection
- Multiple harvesting the same area

MINIMISE YOUR MAINTENANCE

- Developed with a focus on low maintenance; only 1 motor per shelve row
- Required technology is intelligently minimised
- High-end materials: from motors to bearings, from chains to shelving
- Minimal amount of sensors and other components
- Open structure makes cleaning and maintenance easy and pleasant

SAFETY & ERGONOMICS

The drawer system ensures maximum safety. The picker is on top of the work and has a stable, solid picking platform with a wide cage on both sides. It is safely designed and approved for your employees. The open harvesting area with good lighting gives an optimal overview of the tasks as well as communication with your team members on the platform.

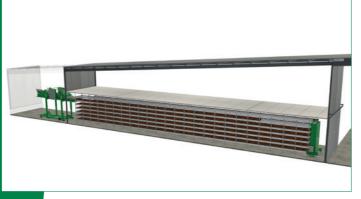
SUSTAINABLE & FUTURE PROOF

The drawer system allows all kinds of sustainable developments. We can make or build your farm to produce almost climate neutral, but we also offer camera solutions to predict growth, optimise the harvest and scan for diseases. We also automate processes wherever possible, think of: automatic cleaning after emptying and watering the casing soil.

NEXT STEP: HARVESTING ROBOT

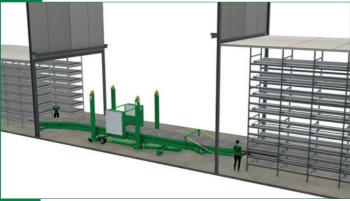
Our next step is a harvesting robot which combines the Internet of Things with artificial intelligence. As a result, less labour capacity is needed. The drawer system and solid platform is designed and developed for this ultimate goal!

Turnkey, advanced harvesting systems or equipment?
We are happy to discuss which solutions fit your needs.

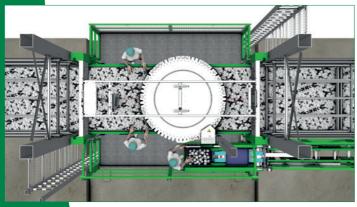


THE DRAWER SYSTEM

Filling the pinning room



Transfer substrate with pins to the harvesting room



Harvesting the mushrooms



Supply of empty crates and discharge of harvested mushrooms



Emptying the harvesting room



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