



MUSH COMB

Let's grow together

DESIGNED TOGETHER. BUILT LOCALLY. DUTCH EQUIPMENT.



**ENGINEERING &
PROJECT MANAGEMENT**



CLIMATE



EQUIPMENT



MACHINERY

www.mushcomb.com

Thank you for your interest in Mush Comb!
This brochure is created to give you an idea on how we can help you grow your business.

Are you active in one of these businesses?



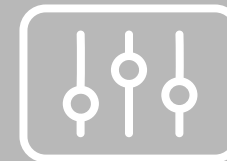
MUSHROOMS



EXOTICS



COMPOSTING



ENGINEERING AND
PROJECT MANAGEMENT



CLIMATE



EQUIPMENT



MACHINERY

Then you are at the right address, because we supply the following solutions:

Mush Comb is an innovative company serving customers in the mushroom, exotic cultivation, and composting industries. We deliver high-quality and professional project management by combining Dutch engineering and equipment with local execution, creating reliable solutions tailored to each customer's needs.

We welcome our customers' ideas and transform them into diverse, custom-made solutions. Our team works closely with growers to design projects together and supply machinery and equipment built for long-term operation and efficiency.



MUSHROOM MARKET

The future of the global demand for mushrooms is looking bright, because there is an ongoing trend of people turning towards organic & healthy foods.

The mushroom industry has turned to technology to meet the increased demand. Improvements in efficiency and working conditions has given the market a boost.

Every enquiry is valued, and we strive to respond quickly to support our customers at the earliest possible stage.

Our machinery comes with a 3-year warranty, providing confidence and reliability. We also actively cooperate with growers and compost producers through upgrade and trade-in programs, helping our customers continuously improve and modernize their operations.

OUR PROMISE

We believe in practical solutions, strong partnerships, and keeping our word. Every project we deliver is built around reliability, efficiency, and long-term cooperation with our customers.

What you can expect from us:

- Designed together. Built locally. Powered Dutch equipment.
- Fast responses to all sales and project enquiries.
- Long-term service support for reliable operation.
- Share your idea: Our creative mindset engineers your solution.
- 3-year warranty backing up the quality of our machinery.
- Upgrade your system with trade-in options.
- Project partnership enabling local construction and optimized investment costs.
- Value for money - share your budget and we will design the right solution.
- Own climate computer with evaporation-based climate control.
- A practical mindset - we focus on solving problems and getting things done.

COMPOSTING MARKET

Composting is a biological process of stabilizing organic matter under controlled conditions into a product that is rich in humus and provides organic matter and nutrients to the soil. Compost consists of raw materials such as a straw type, a nitrogen source and cast.

PHASE I: Fermentation process - Create selective nutrition sources for mushrooms.

PHASE II: Pasteurization process - Make the substrate sterile.

PHASE III: Growth process - Seed the mushroom mycelium in the substrate.

PHASE IV: Budding process - Let the mycelium grow in.

Mush Comb offers Machinery, Climate and Engineering solutions to the composting market.

SHARE YOUR IDEA: OUR CREATIVE MINDSET ENGINEERS YOUR SOLUTION



Starting or scaling up your business?
We can help you out with the engineering, project management and supervision!
Mush Comb can provide you with professional engineering. We supply drawings, electrical plans, steel, panels and supervision for your business. This also gives us the freedom to customize where needed.

We always focus on an ideal set-up based on total production capacity, growing surface, compost volume, climate control and logistics.

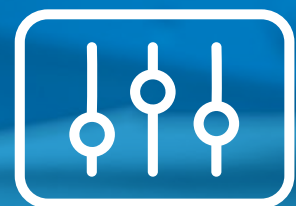
The most effective design will be used to build the facility.

At Mush Comb, we have a different approach to project management. While traditional turn-key suppliers rely on distant teams to handle everything, we empower local contractors in your country to build your project. This unique approach offers several advantages.

The hands-on cultivation experience of our dedicated professionals drives our development of targeted, results-oriented project management and supervision tools.

This practical background enables us to address critical factors that only experienced farmers recognize - from the subtle nuances of substrate preparation to the precise harvesting techniques that maximize both yield and quality.

When you collaborate with us, you benefit from management expertise informed by real-world mushroom farming knowledge



MUSHROOM ENGINEERING & PROJECT MANAGEMENT



Pictures shown are from different projects worldwide.

Our project management philosophy is built on partnership, flexibility, and efficiency. By working closely with trusted local contractors and suppliers, we help our customers reduce construction costs while ensuring that the project meets the highest technical standards.



Munab Mushroom Farm in Saudi Arabia is one of the examples of our unique approach to the project management. This project came to life through close collaboration on the design, strong local execution, and reliable Dutch equipment and mushroom-growing technology. From installation to machinery climate control, everything is performing as planned. Proud to be part of this journey and to support controlled-environment farming worldwide.

Instead of importing complete solutions from abroad, we focus on combining Dutch engineering knowledge with local execution. This approach allows projects to benefit from regional expertise, available materials, and faster construction timelines while maintaining the reliability and performance expected from modern mushroom and compost facilities.



Throughout the project, our team remains closely involved — from concept development and engineering to construction supervision and commissioning. We guide local teams, coordinate technical requirements, and ensure that every component of the facility works together as an efficient production system.

This collaborative approach not only supports the local economy and workforce but also gives growers greater flexibility when expanding or upgrading their facilities in the future. At Mush Comb, we believe the most successful projects are those built with the grower, for the grower, combining international expertise with strong local execution to create sustainable and profitable production facilities.





LONG TERM SERVICE SUPPORT

EVAPORATION CONTROL FOR MUSHROOMS

THE KEY TO SUCCESS

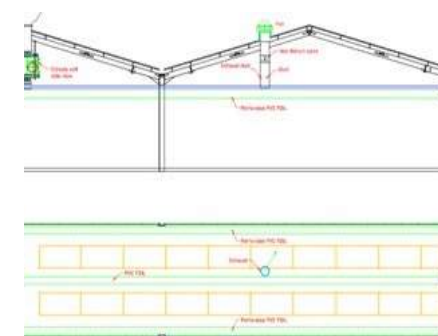


The Mush Comb Climate Control difference:

While many systems can measure basic parameters like temperature, humidity, CO2, ventilation and circulation, Mush Comb takes mushroom cultivation to the next level. Our advanced climate control system is the only one that precisely manages evaporation levels throughout the entire growing cycle.

- Prefabricated, energy-efficient air handling units that are easy to install.
- Complete, tailored climate solutions optimized for local conditions.
- Assembly-ready systems that minimize installation hassle.
- Maintenance-friendly design with inspection hatches and specific filters.
- Thorough quality assurance before completion.

The focus on creating optimal growing conditions through proper climate control is indeed crucial for successful mushroom cultivation. Controlled temperature, humidity, air circulation, and evaporation are all essential factors that directly impact yield and quality.



HOW OUR TECHNOLOGY WORKS

The Mush Comb climate control system uses advanced technology and algorithms to measure and manage evaporation in real-time. Our system calculates the precise moisture exchange between your mushrooms, substrate, and the growing environment. Through synchronized control of temperature, humidity, and air movement, we maintain optimal evaporation rates at every growth stage.

BENEFITS OF PRECISE EVAPORATION CONTROL

- Enhanced pinhead formation, leading to better yields.
- Consistent cap development and nice texture. Prevention of bacterial blotch and other moisture-related diseases.
- Reduced risk of substrate shrinkage.
- Optimal moisture content in harvested mushrooms.
- Extended shelf life of your final product.
- More efficient use of resources throughout the growing cycle.
- Consistent quality across different flushes.



MUSHROOM CLIMATE

ENERGY EFFICIENCY & COST SAVINGS

HOW YOU SAVE:

- Intelligent heat distribution based on actual evaporation needs.
- Reduced dehumidification costs through optimized moisture management.
- Lower fan operations thanks to optimal air movement control.
- Prevention of energy-intensive temperature corrections.
- Minimized heat loss through smart ventilation timing.



REAL COST IMPACT

ADDITIONAL SYSTEM FEATURES

- Smart Alerts: Integrated smart alerts/alarms that predict and prevent climate deviations.
- Remote Control: Remote monitoring and control through mobile interface.
- Customizable Climate Recipes: Customizable growing recipes that can be saved and repeated.
- Expert Support: Direct technical support from cultivation experts.

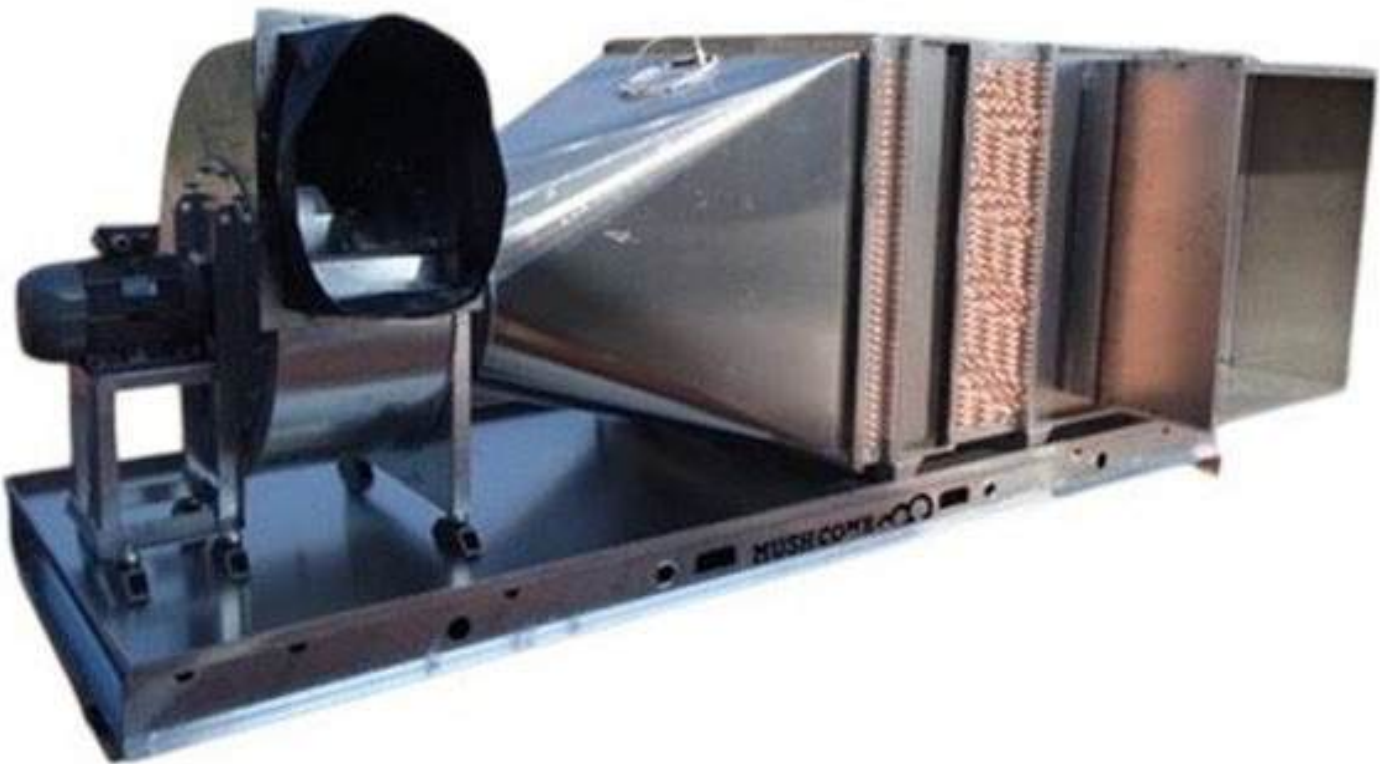
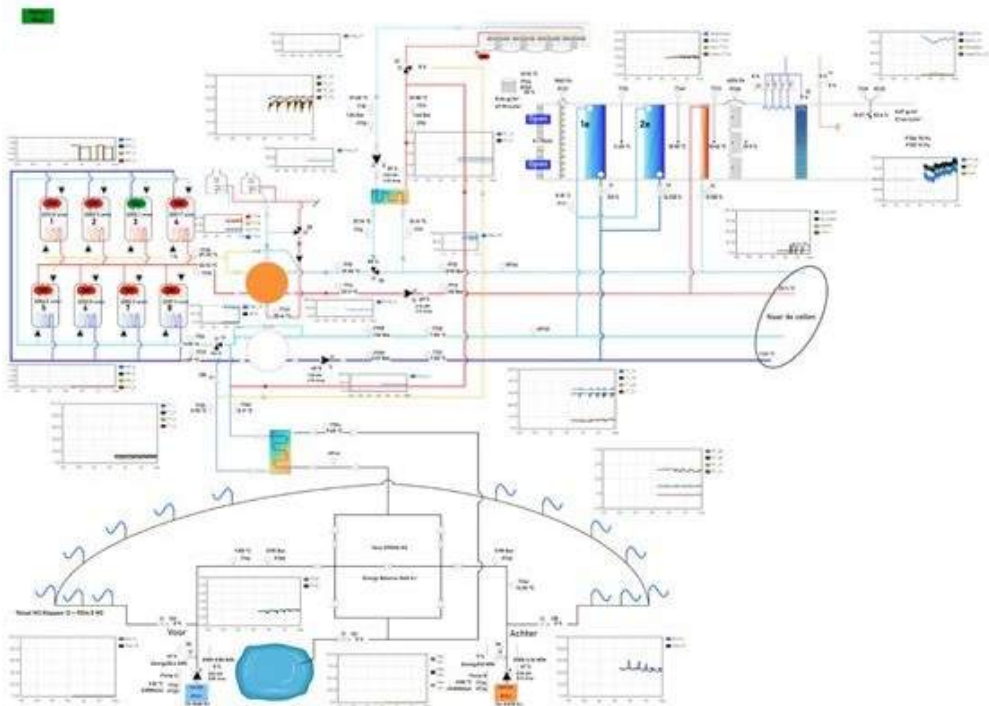


Real cost impact

Our customers typically report 20-30% lower energy consumption compared to conventional systems.

Think about it:

Every unnecessary ventilation cycle, every overcorrection of temperature or humidity directly impacts your bottom line. With Mush Comb's precise evaporation control, you're not just growing better mushrooms - you're growing them more efficiently!



MUSH COMB CONTROLLER FOR COMPOST

WHERE SCIENCE MEETS SUSTAINABILITY



Optimized capacity, maximum efficiency.

Our engineering team enhances composting operations through precise mathematical modelling of raw material volumes and airflow dynamics. Unlike conventional systems that rely on oversized installations for reducing risks, we deliver what you need – considering all your requirements.

Mush Comb's climate control system air handling units for bunkers and tunnels are always in line with your personal requirements. Relating to local climate conditions and other circumstances that are crucial for your compost production and climate demands.

ENGINEERING EXCELLENCE IN EVERY DETAIL



Precision-calculated capacity

- Custom-engineered bunker and tunnel dimensions based on your specific input materials.
- Prevents costly overbuilding while ensuring optimal processing capacity.
- ROI-focused design minimizes initial investment and ongoing energy costs.

Advanced airflow engineering

- Proprietary air handling system ensuring homogeneous air distribution.
- Engineered ventilation patterns that eliminate dead zones and hotspots.
- Equal air movement throughout the entire mass for consistent





FAST REPLIES ON SALES ENQUIRIES

Receiving value for money... that is our main focus when it comes to equipment. We do no concessions when it comes to quality, because we want to supply our clients with products that have a long lifespan and support your business in a positive functional way.



Mush Comb provides all kinds of equipment such as, but not limited to:

- Shelving
- Picking Lorries
- Growing Nets
- Lights
- Picking Racks

Our new Shelving is completely made from aluminium. This assists us in offering you the best value for money. Therefore, many meters of Shelving has been produced for our customers.

ROB STEWART
FOREST MUSHROOMS (SOUTH-AFRICA)

"I am impressed with the delivery of the shelving. Packing and wrapping was done in a professional manner and the shelving is of a very high standard."



**MUSHROOM
EQUIPMENT**



Pictures shown are from different projects worldwide.



A Picking Lorry that is not produced for a grower, but with a grower? That is correct!
This Picking Lorry is developed together with a Dutch grower who had one simple wish:
"Make me a Picking Lorry which is worker friendly too."

"The lorries are easy to operate and handle. Easy to move from one cell to another move. The ladies enjoy it a lot. There is also little maintenance on these lorries. In short, we are very well satisfied!"

Agarica Oudemolen, Hans van den Heuvel



COMPACT+ PICKING LORRY



VANDECHAMP PIETER & LEEN VANDECASTEELE

The mobility of this lorry is enormous. With 1 person you can control the lorry. You drive the lorry smoothly from one to the other and then hang the lorry effortlessly on the rail. Once the lorry is hanging, you can easily go up and down via the control panel. You only need 1 person for the lorry, which makes a huge difference in personnel compared to the older lorries. Safety is reflected in this lorry. This has been well thought out. We are very satisfied with these lorries. It saves us manpower and the staff is also very satisfied. Only praise! We have ordered another 12 lorries.

3-YEAR WARRANTY

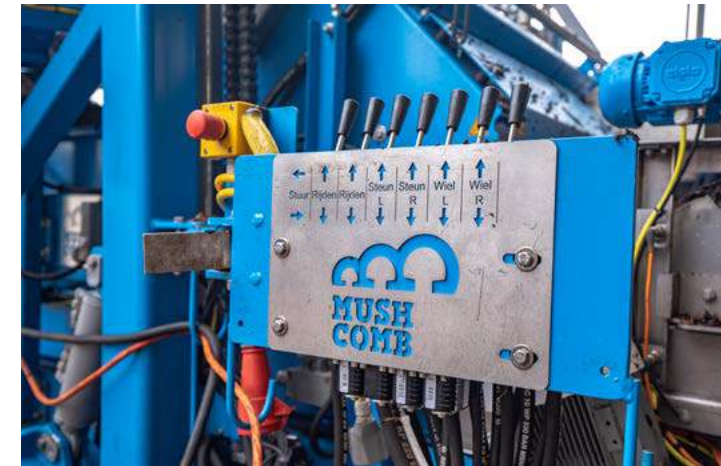


**MUSHROOM
MACHINERY**

UPGRADE YOUR SYSTEM WITH TRADE-IN

Technology and growing methods continue to evolve. At Mush Comb, we help customers modernize their facilities without starting from scratch. Through our trade-in program, we actively purchase used equipment and offer attractive upgrade options when you invest in new systems.

This allows growers and compost producers to improve efficiency, adopt new technologies, and keep their operations competitive while reducing the total investment required for modernization.



3-YEAR WARRANTY

We stand behind the quality and durability of our machinery. That is why all Mush Comb machinery comes with a 3-year warranty from March 2026, giving our customers extra confidence in their investment.

Our warranty reflects our commitment to reliable engineering, high-quality components, and long-term performance. Should any issue arise, our team is ready to assist quickly and ensure your operation continues running smoothly



Picture shown is from:

Company: Champas

Owner: Mr. van Asseldonk

Beautiful machine. It is easy to maintain, which makes it a pleasure to work with. You can adjust the height of the emptying unit. This machine is very reliable and has little interference.



COMPOST HOPPER FOR WALKING FLOOR TRAILER

HEAD FILLING MACHINE

SPECIFICATIONS:

- Filling speed can vary from 6 till 18 meters per minute;
- Lifting with a scissor lift for best stability;
- Whole frame can independently move 30 cm forwards and backwards;
- Belt speeds, swivel timers, chain speed, chain height are all settings which can be made on our machine;
- Completely hydraulic driven;
- Central greasing points;
- Practical cleaning based on experiences of growers for the highest hygiene;
- Extra water protection implementations;
- Items like weighing system, contractor version are also available.



Champas

A complete machine. Hydraulically and wirelessly controllable, so you can easily set it up in front of the rack.

The compost and casing soil are nicely spread over the top filler so that you get a perfect layer for the mushrooms. Everything can be controlled automatically and you have little work with it.

Very satisfied with the Headfilling machine, which saves us a lot of time and does not have to spend a lot of money on an external head filler!

EMPTYING UNIT



After harvesting all the mushrooms, the growing rooms need to be emptied to make it ready for a new growing cycle. The spent compost and casing are pulled out with the Growing Nets. Pulling out the nets is done with an Emptying Winch. In general emptying of your growing rooms can be done with one the following solutions:

- Emptying Winch + Emptying Conveyor
- Emptying Winch + Emptying Conveyor combined as Emptying Unit
- Emptying Unit with Casing Separator



PHASE III ECONOMY MACHINERY



SPECIFICATIONS:

- Filling speed: 5m / min;
- Lifting with 4 posts, each post contains a hydraulic cylinder;
- Moving with forklift;
- Up to 6 beds high;
- Filling phase III compost and casing at the same time;
- Economy is the price alternative for Premium. Not every customer is looking for extra luxury and actually prefers a machine with as less electrics and hydraulics as possible.



PHASE II PREMIUM

SEPARATE FILLING OF COMPOST AND CASING HEAD FILLING MACHINE PHASE II



Are you filling phase II compost and casing?
Or are you filling compost blocks? Then you
need to fill the compost and casing separately
into the Shelving. Therefore, we developed
the Head Filling Machine Phase II.



BASIC MACHINERY

BASIC FILLING MACHINE



Pictures shown are from:
Paccu Mushrooms in Peru and North Greek
Mushrooms in Greece.



Are you filling phase II compost and casing?
Or are you filling compost blocks? Then you
need to fill the compost and casing separately
into the Shelving. Therefore, we developed the
Basic Filling.



RUFFLING MACHINE

This machine is used for mixing the top layer of the compost with the casing soil. The main purpose is to optimize the effectiveness of the compost and casing soil.



PULLING WINCH

1-arm version, self lifting. Also possible to use for emptying.



MACHINE LIFT

This is a lift with telescopic posts to move the Ruffling Machine or similar from one growing bed to another.



WINCH

6-arm-version. For filling or emptying.



NET WASHER

The Net washer will clean used growing nets thoroughly. This will ensure strict hygiene requirements are met at mushroom farms.



SPAWNING MACHINE

This machine is used to break and press phase II or phase III compost after filling it with the Basic Filling Machine into the Shelving



SPAWN APPLICATOR

The Spawn Applicator is used for adding spawn when emptying your phase II compost tunnel.



TUNNEL NET WASHER

The Tunnel net washer cleans the compost tunnel nets thoroughly, reduces the cleaning time and requires less workers.

CASING SEPARATOR



Emptying Unit with
Casing Separator



Separating the compost from the casing during emptying is a development done by Mush Comb. The application areas for separated compost and casing are diverse. Since the first introduction of this new technology the advantages have been:

- Addition for potting plants or seedlings.
- Burning of the separated compost.
- Creating possibilities of re-using the casing in the mushroom sector.
- Less transport costs.
- Fertilizer for agricultural land.

1-Arm Casing Separator



You can get this technology on every desired level. In general this can be divided in 3 main groups:

- 1-Arm Casing Separator, can be placed between existing Shelving and Emptying Winch.
- Emptying Unit with 1-Arm Casing Separator.
- Emptying unit with 6-arm casing separator.
- Contracting machine with multiple Arm Casing Separator.



Pictures shown are from:
Company: Gesitrans
Owner: Mr. Gerard Sikes
Country: The Netherlands
Contracting company for emptying.
Emptying and separating 30.000m² per week.

COMPOSTING MACHINERY

FILLING COMPOST TUNNELS



BUNKER FILLER

The Bunker Filler is used for filling phase I compost bunkers.



COMPOST HOPPER

The Compost Hopper is used to store and dose compost and / or raw materials towards other composting machinery.

COMPOST FILLING LINE

The Filling Line is used to fill compost tunnels, compost bunkers and compost containers.



EMPTYING COMPOST TUNNELS

WHY MUSH COMB?



- Supporting locally build combining with Dutch equipment.
- 3 year warranty on machinery.
- Fast responses to sales enquiries.
- Upgrade your current operation with trade-in options.

TUNNEL WINCH

The Tunnel Winch is used for emptying phase II and phase III composting tunnels.



Pictures shown are from:
Company: Kuzbasskiy Broiler LLC
Country: Russia

COMPOST & CASING TRANSPORT

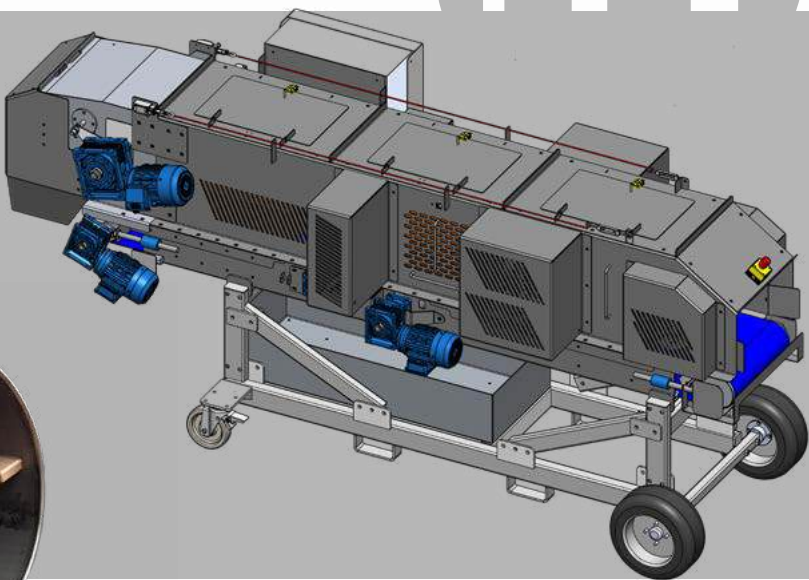


Are you making your own compost?
Then you need transportation solutions from your compost facility to your growing rooms. We deliver Compost Wagons which you can hang behind a tractor. The Compost Wagon takes care of transport, storage and dosing.

You can prepare the casing 1 day in advance and store it overnight so that you can start filling straight away the next morning.

CUSTOM BUILT

Automatic compost block plastic unwrapping machine.



Bag tumbler for exotic mushroom substrate

We produce custom-made machinery tailored for mushroom farms and compost facilities. Mush Comb's engineering team designs equipment with optimal solutions specifically for your farm.



Pictures shown are from:
Company: Adelaide Mushrooms
Owner: Costa Group
Country: Australia
Growing area: 30 growing rooms of each 778m²





UPGRADE YOUR SYSTEM WITH TRADE-IN

EXOTICS AND CLIMATIZATION

Plug and play package!

Growers all around the world are looking for possibilities to start their business on a relatively small scale and to easily upscale in future.

Mush Comb took the effort to find the best growing solutions. The basic for your design is a standard 40ft reefer container which has been further developed with you as customer.

CLIMATE CONTROLS

You want to be able to create the optimal climate in your growing rooms. At the same time, you want to be able to monitor and adjust when needed no matter where you are. With our climate system you can log in from anywhere in the world with any device with an internet connection. This gives you the confidence and reliability you are looking for to achieve a great yield. Each farm needs one central computer control system.

SHELVES FOR EXOTICS

Our new shelving is complete made from aluminium.

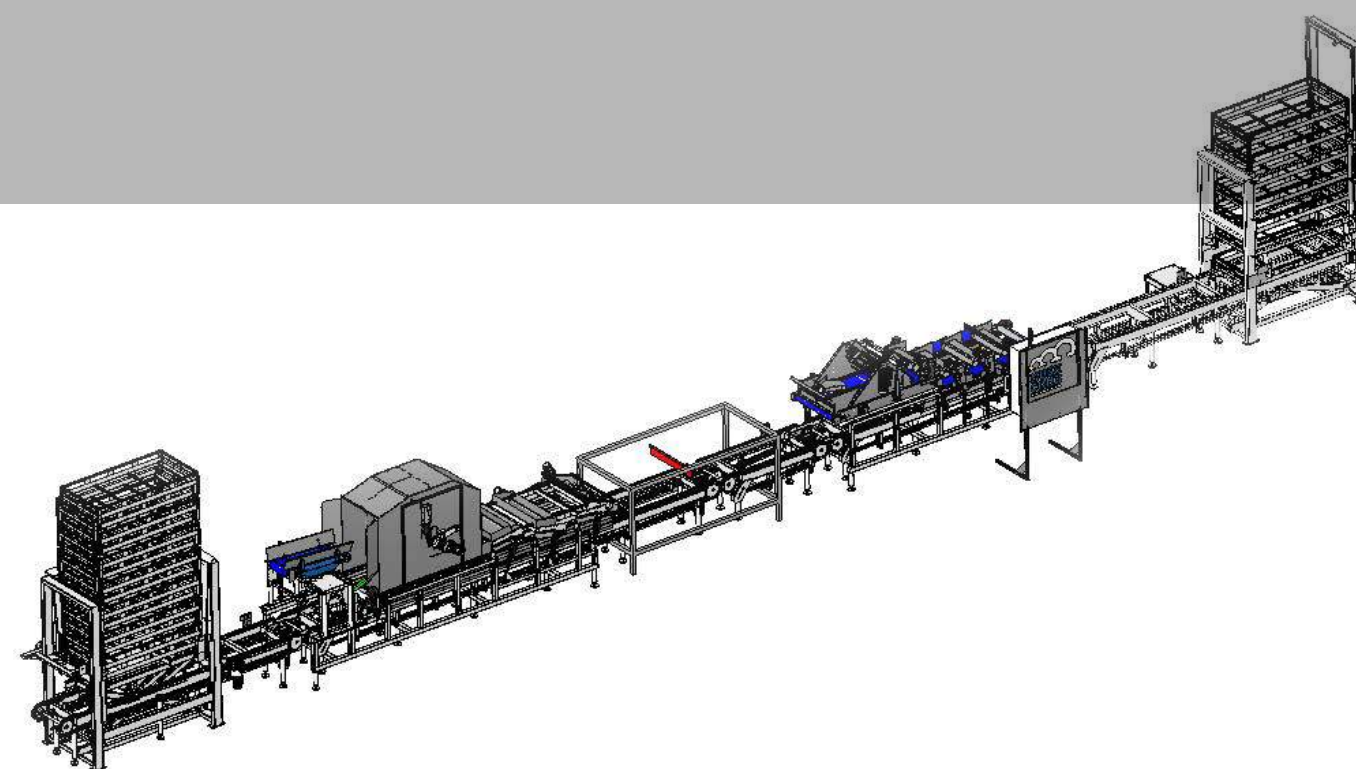
It is perfect quality shelving with many advantages. Through these advantages a lot of customers from all over the world ordered this shelving already.





Besides working with Shelving some customers choose to work with trays. This can be for several reasons. Mush Comb supplies Traylines for filling compost, filling casing or filling compost and casing. We also offer the possibility to supply Traylines for emptying and cleaning the trays.

TRAYLINES



REFERENCES



OUR OPERATIONS SPAN ACROSS MORE THAN 50 COUNTRIES

- | | | | | | | | |
|---|---|--|---|--|---|--|---|
| <ul style="list-style-type: none">• Basciani Foods• Monaghan Mushrooms• Forest Mushrooms• Mercajucar• Garper• Tas Valley Mushrooms• Tasharukiat• Wauwiler• Senkokosan | <ul style="list-style-type: none">- USA- Ireland- South Africa- Spain- Spain- United Kingdom- Libya- Switzerland- Japan | <ul style="list-style-type: none">• Champ Funghi• Agricola La Lomita• MJKO• Suter Champignons• Ecofarm• Paccu• Champas• Leschenko• Agari Breizh• KazEcoFood• Lesage Champignons• Okechamp | <ul style="list-style-type: none">- Malaysia- Panama- Germany- Switzerland- Romania- Peru- Netherlands- Ukraine- France- Kazakhstan- Belgium- Poland | <ul style="list-style-type: none">• Duke Truong• Quality Mushrooms• D.D. Champ• Heereco Compost• Operadora Comercial• North Greek Mushrooms• Champag• Fridrih• Champigraja• Mycelium Materials Europe B.V.• Agarica• AK Champignons | <ul style="list-style-type: none">- Canada- New Zealand- Poland- Netherlands- Bolivia- Greece- Canada- Croatia- Spain- Netherlands- Netherlands- Netherlands | <ul style="list-style-type: none">• Pilzhof Wallhausen• Fludasveppir ehf• Kuzbasskiy Broiler LLC• Inland Deco srl• AMC• Bio-Samp d.o.o.• Munab Farm• Delta Danube• Rivelco Group• Ceba• Green2000• Your company? | <ul style="list-style-type: none">- Germany- Iceland- Russia- Romania- Armenia- Bosnia and Herzegovina- Saudi Arabia- Serbia- Kenya- Equador- Ivory Coast |
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-  www.mushcomb.com
-  facebook.com/mushroommachinery
-  linkedin.com/company/mush-comb
-  youtube.com/mushcomb



BOB HOLTERMANS



ARMEN GOGYAN

We hope this information has been useful and informative.
If you have any further questions feel free to contact us.



Let's grow together

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