



Industrial Mushroom Farming

Nutech Mushrooms Machines Complete
Turnkey Solutions — From
Setup to Scale





About us

At Nutech Mushroom, we understand that modern agriculture needs more control, efficiency, and consistency than traditional methods can offer.

We design complete, technology-driven solutions for industrial mushroom farming, helping businesses move from unstructured practices to scalable, process-driven operations.

By combining engineering, automation, and practical experience, we build systems that are reliable, efficient, and ready to deliver long-term, profitable results.

What We Do

We provide complete turnkey solutions for industrial mushroom farming — covering every stage from setup to production.

- Composting plant design and setup
- Automated growing room systems
- Automated growing room systems
- Processing and packaging solutions
- Training and technical support

Each component is designed to work together as one seamless system.

Our Approach

We believe modern farming should be predictable, scalable, and business-driven.

Our solutions are designed to:

- Improve production consistency
- Reduce dependency on manual processes
- Enable year-round operations
- Create structured and manageable systems



How the Complete System Works

Our mushroom farming solution follows a fully integrated and step-by-step process designed for efficiency, quality, and scalability.

Each stage is carefully planned and connected to ensure smooth operations and maximum output.

- Composting
- Filling
- Growing
- Harvesting
- Processing
- Packaging



Our Machinery

That Powers the Process

Our mushroom farming solution follows a fully integrated and step-by-step process designed for efficiency, quality, and scalability.



OUR MACHINERY



Compost Trolley

Move compost smarter, faster, and with zero hassle.



This tractor-driven MS trolley is built for smooth transport from tunnel to growing room. With approx. 17 m³ capacity, it handles bulk loads in fewer trips — saving time and labor.

Easy JCB loading and drag chain unloading ensure continuous flow. The electric system with VFD gives you full control over compost movement and quantity.

Empty Elevator

Lift compost easily and without mess.

This machine is designed to empty compost racks quickly and efficiently. With a 1500 mm wide cleated belt, it ensures smooth lifting and proper discharge into the trolley.

Its strong structure and stable movement enable continuous operation without interruptions, reducing manual effort and saving time.



Winch System

Winch system for smooth handling of compost cloth during rack filling.

This machine consists of a motorized drive rope roller and a lifting system to achieve the required height easily. The two ropes are connected to the cloth and mounted on the rack filling machine.

As the compost layer is filled, the winch system works simultaneously, pulling the cloth layer-by-layer to maintain proper rack shape and uniform filling.



Bag Filler



Fill compost bags quickly and with precision.

This machine is designed for efficient bag filling with a 600 mm wide PVC belt for smooth material flow. It features SS hopper systems for bag filling and seed feeding, ensuring controlled and consistent output.

Equipped with a reduction gearbox and vibrator system, it delivers uniform filling with minimal manual effort.



Tunnel Filler



Fill compost tunnels faster with precision and control.

This machine ensures smooth feeding with a hopper compatible with JCB loader or bucket. The 1500 mm wide system provides uniform compost distribution across the tunnel.

Powered by a 5 HP drive with reduction gearbox and finger-type drum for consistent output. The oscillating throw conveyor ensures even spreading, while anti-slip belts keep material flow smooth.



Double Head-Bag Filler

Fill more bags in less time with dual efficiency.



This double station machine is designed for high-speed bag filling with a 600 mm wide PVC belt for smooth material flow. Dual SS hopper systems ensure controlled and consistent filling for both bag and seed feeding.

Equipped with a reduction gearbox and vibrator system, it delivers uniform output with minimal manual effort.

Faster filling. Dual output. Higher productivity.



Spawn Bag filler



It fills compost bags quickly and with precision.

Designed for smooth and uniform compost filling with minimal effort, this machine is built in SS 304 (2 mm thickness) for durability and hygiene. The hopper system ensures continuous material flow for faster operations.

Ensures consistent filling, reducing wastage and maintaining quality. Approx. weight 200 kg, ideal for efficient mushroom farming.



Compost Block Making Line



It produces uniform compost blocks with speed and precision.

Engineered for continuous operation, this line ensures consistent block formation with minimal manual effort. Built on a heavy-duty MS structure, it delivers stable and durable performance.

With a capacity of 7–8 blocks per minute and total power load of 45 kW, it integrates hopper, conveyors, spawn feeder, and wrapping unit for a smooth automated process.



Mushroom Growing Rack



It maximizes growing space with strong and efficient rack design.

Built with GI structure and aluminium side guards, this rack ensures durability, stability, and long-term use in mushroom farming environments. The multi-shelf design allows optimal space utilization and better crop management.

Available in 6 to 8 shelves, it supports uniform compost placement and easy handling, ensuring strong load support and organized cultivation.

Bunker Filler



It feeds compost efficiently with smooth and controlled movement.

Built with MS structure and SS contact parts for durability and hygiene. Wide hopper enables easy loading, while the conveyor ensures continuous, uniform compost flow.

Motorized with hydraulic control for smooth, precise feeding. Approx. 2500 kg, built for heavy-duty use.



Head Filling Machine

Fill compost efficiently across racks with high precision.

Designed to evenly distribute compost across racks, this machine handles elevation, oxygenation, and homogenization in one flow. Built with MS (Painted) + SS contact parts for durability and hygiene.

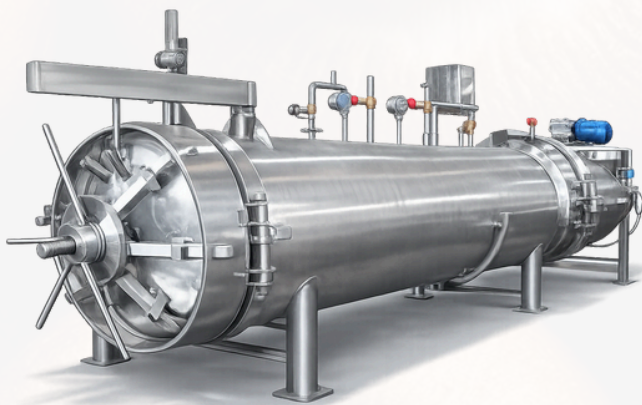
Ensures uniform thickness and quality, with motorized elevation for efficient shelf operation. Size: 2600 × 3100 × 1600 mm, approx. weight: 3000 kg.



SS Retort (Single Door)



It delivers precise and automated sterilization with consistent control.



Built in SS (6 mm thickness), this retort ensures durable and hygienic operation. Equipped with automatic temperature control and water spraying system, it maintains uniform processing conditions.

PLC-controlled for precise monitoring. Capacity 1000 cans/pouches per batch, approx. 2250 kg, ideal for high-capacity use.

SS Retort (Double Door)



It ensures effective sterilization with uniform steam distribution.

Built in SS 304 for hygienic and durable use. Double-door design with secure locking enables safe and efficient handling.

Uniform sterilization with internal steam distribution. 500 kg/batch, approx. 3500 kg, ideal for large-scale use.





COMPLETE MUSHROOM GROWING MACHINERY SOLUTIONS

Everything you need to build a modern, high-performance mushroom farming setup — from compost preparation to final harvesting.

Mushroom Compost Harvesting Machinery – PH-I

- 1 Feed Hopper with Breaking Drum
- 2 Mixer – 100 ft long (3 modules – 35 ft each) – Capacity 80 to 150 ton
- 3 Exit Elevator

VERSION – 2

- 1 Tunnel Filler – Capacity 30 ton/hr
- 2 Bag Filler – 1000 Bag (10 Kg) / Hr

COMPOST CONVEYING – PH-II

- 1 Compost Conveyor
- 2 Tunnel Filler

TUNNEL DOORS

COMPOST BLOCK MAKING SYSTEM – 700 BAG / HOUR

- 1 Feed Hopper with Breaking Drum
- 2 Block Making Machine + Spawn Feeder
- 3 Wrapping Machine
- 4 Block Loading Conveyor

CASING

- 1 Soil Breaking Machine

PROCESSING

- 2 Casing Blender

MUSHROOM GROWING (AUTOMATIC RACK FILLING SYSTEM)

- | | | | |
|---|--|----|--------------------------|
| 1 | FAB / Insulated Mushroom Growing Room | 8 | Pressing Machine |
| 2 | Mushroom Growing Rack | 9 | Casing Machine |
| 3 | Compost Trolley – 14 m ³ Capacity | 10 | Water Tree |
| 4 | Feed Elevator up to 7 shelves Rack | 11 | Picking Trolley |
| 5 | Rack Filling Machine | 12 | Emptying Elevator (Rack) |
| 6 | Winch System for Rack Compost's Cloth | 13 | Doors for Growing Room |
| 7 | Ruffling Machine | | |

ADVANCED SPAWN SECTION

- 1 Boiling Kettle
- 2 Drying Sieves
- 3 Transfer Conveyor
- 4 Spawn Mixer
- 5 Spawn Filling Machine
- 6 Trolleys with Baskets
- 7 Autoclave (Double Door)
- 8 Laminar Air Flow
- 9 BOD Incubator
- 10 Working Table
- 11 Rack for Cold & Incubation Room
- 12 SS Transfer Trolley
- 13 SS Jali
- 14 SS Table with blower for drying & mixing
- 15 Retort Spawn
- 16 Laminar Flow
- 17 Spawn Bag Racks
- 18 Shaking Machine for Spawn Bags (1 Kg)

MUSHROOM CANNING SECTION

- 1 Mushroom Washer, Hydrator
- 2 Mushroom Blancher
- 3 Mushroom Cooler
- 4 Mushroom Grader
- 5 Mushroom Parallel Slicer
- 6 Dewatering Vibrator
- 7 Brine Filler, Exhauster
- 8 Turn Table
- 9 SS Retort
- 10 SS Trolley (For Can)
- 11 Inspection Conveyor
- 12 Magnetic Elevator, Can washer
- 13 Fresh Mushroom Slicer
- 14 Metal Detector



THANK YOU!

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