



Our Profile

We are the manufacturer of all kinds of Mushroom Farming Machinery and provides complete Mushroom Project Consultancy services which include our visit to their farm, project report formation which is prepared by our CA, Site Mapping, Complete Farm Layout prepared by our Civil Engineer, Insulated Puff Panel rooms construction, Composting Unit Formation and installation of latest technology based fully and semiautomatic machinery under the supervision repudiated scientist and consultant. We also dealing in all type of shed constructions work which includes formation of Pre-Fabricated shed which are used for multipurpose. This shed work is completed under the guidance of our highly experienced & expertise team.

We also provide our services to Old Mushroom Farm which needs automation. For this automation our expertise will visit to their farm and with their magnificent knowledge and matured experience suggest them the best possible way to atomized old methodology with the lasts one.

We work with an aim to provide customize solution to our customer as per there Project requirement as we are the manufacturer of wide range of Mushroom Farming Machinery. Our Machineries are fully Automatic, Computerized as well as semiautomatic based on customer need. Our machineries helpful to maintained control environmental condition inside growing room and composting tunnel so throughout the season customer received best quality of Compost and superior grade of Mushrooms in bulk amount without affecting by external temperature & Humidity. Our highly qualified and hard working team with their innovative ideas and technical mind working on the each & every challenging task faced in mushroom field and to grow this Mushroom field worldwide for the goodwill of humanity.

Our Services

- Complete Mushroom Plant Setup.
- Mushroom Machinery Manufacturing.
- Composting Unit Setup.
- Spawn Lab Setup.
- Automation of Existing Mushroom Plant.
- Shed Construction.
- Project Report

I. Complete Mushroom Plant Setup

We provide full project Consultancy in setup of a Mushroom Farm. In full Project Consultation we provide below services to our customer which is required in setup of a new project :

- i. **Project Report** - It include all information regarding your project investment (Construction cost, Machinery cost, Labour cost, Electricity cost etc.) and yearly profit which you gain from your project.
- ii. **Financial Project Report** - If you are doing a project with Bank Loan then this Project report include every financial details and leader asked by the bank before passing your loan as well as this report also help you to get subsidry from Horticulture department.
- iii. **Project Drawings** - We provide you all AutoCAD drawings regarding your project map & drainage system. It will help you to do civil construction in a better way.
- iv. **Civil Construction** - We will guide you during civil construction as per the drawings prepared by our civil engineer. In this process our team will give you visit to your site to guide your all civil construction.
- v. **Shed Construction** - We provide this service fully from our side. Our skilled labour will do your shed work according to the AutoCAD drawings given by our civil engineer.

- vi. **Mushroom Growing Rooms Formation** - We also deal in the formation of Mushroom growing rooms made up of PUF panel and insulation material. We provide complete installation of these rooms at your site.
- vii. **Composting Unit Formation** - If you are growing Button Mushroom then we will setup you compost tunnel made up of PUF panel, Bunker rooms in which air flow pipes and blowers are installed as well as Pre-wetting area & Turning area are involved.
- viii. **Installation of Machinery** - After all these construction work we start the installation of your already ordered machinery at your site. During installation we have shown your working demo of all machinery which are installed by us.
- ix. **Spawn Lab Formation** - If you are interested in starts your own spawn lab instead of purchasing spawn from outside then we will provide you all machinery Lab equipments and Lab Methodology to produce best quality of spawn.
- x. **Canning Unit Installation** - We also provide our full consultation in setup of Canning Unit and provide you full machinery and setup to run your canning unit to produce best quality of canned mushrooms.

II. Mushroom Machinery

We are the manufacturer of all types of Mushroom Farming Machinery for Button Mushroom, Oyster Mushroom and Milky Mushroom. Our machineries are fully automatic, Semi-automatic as well as computerized to maintained favorable environmental condition within Mushroom growing rooms and composting unit to produce best quality of Mushrooms throughout the year. So, with this modern technology based machinery you can grow a constant production of Mushroom per day no matter what is the external environmental condition.

1) Composting Unit Machinery

Compost Turner

- Proper mixing of compost & there components
- Provide good aeration & maintain moisture level in compost
- Available in three versions : Tractor based/Motor based and Self-propelled Engine based



Figure 2 : Biocompost Mixing & Bag Filling Machine

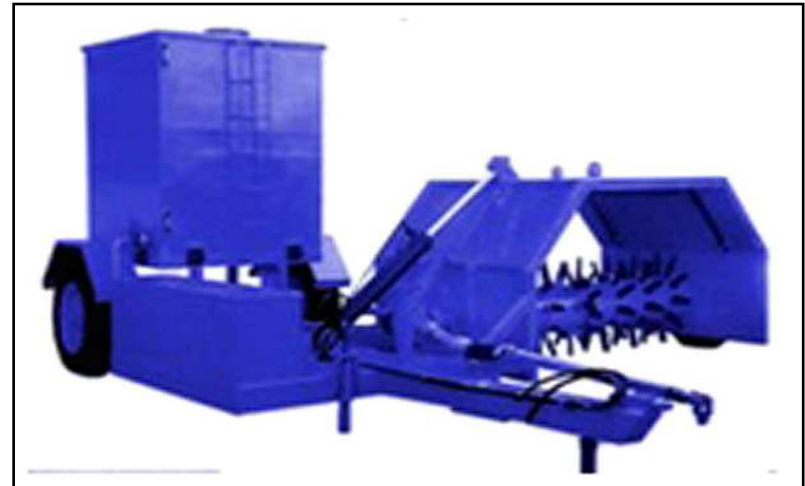


Figure 1 : Compost Turner

Bio-compost Mixing & Bag Filling

- Mixing of different components of Bio-Compost
- Bag filling & weighing of Bio-Compost bags with GMT/hr speed
- Bag Filling of Desired size.

Straw Pasteurization Machine

- Atomized hot water Pasteurization, Conditioning, Spawning & Bag filling
- Power saving solution with recycling of hot water
- Available from 50 kg to 1000 kg straw pasteurization per cycle



Figure 4 : Compost Tunnel

Composting AHU

- Composting Tunnel Air Handling Unit (AHU) is used to provide appropriate temperature to compost inside tunnel so that bacteria can start the natural biological process inside tunnel to prepare compost.
- This AHU is automatically control via Control Panel so no need to worrying about the temperature and air circulation inside tunnel.



Figure 3 : Straw Pasteurization Machine

Compost Tunnel

- Insulated PUF panel tunnel with air ducts and AHU for the pasteurization of compost
- Completely automatic system with temperature control & fresh air supply for conditioning.



Figure 5 : Composting AHU

2) Mushroom Growing Unit Machinery

Spawn Dozing & Bag Filling

- Layer/Thorough spawn mixing
- High speed bag filling (16-24 bags per minute)
- Low men power and labour cost reduce
- Make the compost infection free



Figure 7 (i) : Water Spraying System



Figure 7 (ii) : Water Spraying System

Environmental Control System

- Completely automatic in maintain Temperature, Humidity and CO_2 level
- Recycling of fresh air inside the growing rooms
- AHU works on the basis of R22 and CPC 410 gases



Figure 6 (i) : Spawn Dozing & Bag filling for Oyster & Milky Mushroom



Figure 6 (ii) : Spawn Dozing & Bag Filling Machine for Button Mushroom

Water Spraying Machine

- Completely automatic system to maintain humidity 80-85%
- Complete cure from water logging & excess watering as spraying water in fogging form
- No need of worker to control system



Figure 7 : Environmental Control System

3) Infrastructure

Insulated PUF Panel

- Insulated Mushroom growing house to maintain the temperature which controlled by environmental system
- It saved the electricity consumption expand to on compressor of Environmental Control System for long time
- Cost effective, durable, movable and easy to-installed



Figure 9 : Insulated Puff Panel Mushroom Growing Room



Figure 10 : Compost Holding Rack

Compost Holding Rack

- Flexible structure to handle compost holding bags
- Corrosion resistance, no water logging and easy to assemble
- Racks are made up of MS and GI material.

4) Post Harvesting Equipment

Mushroom Dryer

- Dry Mushroom at optimum temperature
- Automatic control of air, temperature, humidity for best product quality
- Varying capacity of Mushroom dryer is available

Figure 11 : Mushroom Dryer



Figure 12 : Vacuum Refrigerator

Vacuum Refrigerator

- For storage purpose, immediate cooling of mushroom at 4°C within 3-4 minutes
- No need of wash mushroom for shelf life & whitening
- Capacity vary from 300 Lt. to 1000 Lt.

III. Composting Unit Setup

We setup full Composting Unit for commercial purpose as well as for mushroom growing purpose. In composting Unit setup for Button Mushroom Plant we provide Bunker Rooms in which air flow pipelines & blowers are installed, Compost Tunnel, Compost Pre-wetting area, Compost Turning area with shed.

A. Bunker Rooms



Figure 13 : Bunker Rooms

B. Compost Tunnel



Figure 14 : Compost Tunnel

IV. Spawning Lab

We assist you to install your own spawn lab to produce best quality of spawn. In Spawn lab formulation we provide all laboratory equipment and machinery such as laminar air flow, Autoclave, Incubators etc. We also trained you with the laboratory method used by scientist to produce mushroom spawn.



Figure 15 : Incubators



Figure 16 : Autoclave & Shakers



Figure 17 : Laminar Airflow

V. Shed Construction & Civil Construction

We also deal in the designing & construction of various types of Industrial sheets, We provide all types of Industrial sheds which are designed by our highly qualified engineers and installed at your site by our experienced hard working labors.

Our sheds are cost effective, highly durable and robust in nature, inside of shed you can do any type of application.



Figure 18 : Low Investment Dome Shape Shed



Figure 19 : Parallel Chord & Single slope Shed

VI. Automation of Mushroom Plants

We do automation of the old constructed mushroom farm. During our automation service we upgrade the previously constructed mushroom plant with our latest technology based machinery & services. In up-gradation process as per the plant requirement we customize their old machines with latest technology or install new machinery to increase the production as well as quality of mushrooms.



Figure 20 : Ammonia Compressor Automation



Figure 21 : Direct Expansion Cooling System Automation

Gallery



Figure 15 : Pre-wetting Area



Figure 16 : Compost Tunnel with SS panels



Figure 17 : Mushroom Growing Racks



Figure 18 : Compost Turning Area

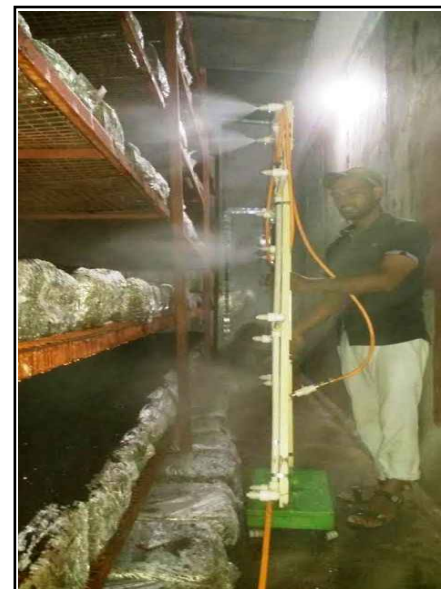


Figure 19: Spraying Tree

Gallery



Figure 20 : Button Mushroom Growing



Figure 22 : Button Mushroom Growing



Figure 21 : Water Spraying & Air Handling Unit in Kenya



Figure 23 : Milky Mushroom Growing



Figure 24: Biocompost Mixing & Bag Filling Machine

Contact Us



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