

The Art of Growing





C O M P O S T I N G

Dalsem Mushroom Projects

In the international world of mushroom growing, Dalsem Mushroom Projects is recognized as the market leader in supplying the latest technologies, individual or combined in a turn-key project. We produce the main components of our farms in our own facilities and have done so for more than 70 years. You will find a brief summary of our product-line in the following.

Composting phase I

Changes in environmental legislation are imposing ever-increasing emphasis



on emission control. The Dalsem Mushroom Projects indoor composting technology for Phase-I fermentation is a guaranteed response to these changes.



Our Phase-I indoor composting combines all the mixing equipment, moisturing, and fermentation in compliance with the most stringent requirements. The closed tunnel composting is placed inside a completely enclosed building that is kept under a constant negative air pressure. No air, water or noise emissions can be emitted without going through a series of scrubbers, filters and such.



Tunnel composting phase II and phase III

The experience of Dalsem Mushroom Projects in designing and constructing hundreds of composting tunnels in all sizes and all climatological conditions all over the world makes us the natural choice for growers looking for this system.

Our team of specialists covers all the aspects of designing, engineering, and constructing the Phase II and Phase III tunnels exactly according to the client's situation. Based on optimal operating logistics and guaranteed high quality compost preparation, Dalsem mushroom Projects turns any situation into a smooth operation.



Growing rooms

The Dalsem growing room technology includes the whole spectrum of available methods: bags, blocks, trays or shelves. Depending on the clients' wishes and local



conditions, we design a customized growing method without compromising the achievable yield, all year round.

Our most recent developments include the latest mechanisation and automation.

Construction

For the construction both phase II/III tunnels and growing rooms, Dalsem applies for the most suitable and recognized solutions. Compost tunnels built from the well known "gas concrete" panels as well from stainless steel sandwich panels.



Growing rooms are available as plastic tunnel type sheds or high quality insulated sandwich panels. In all cases Dalsem will design and supply well insulated and custom made buildings based on more than 30 years experience.



Climate installation

Compost preparation and mushroom growing is all about controlling the conditions and climate during the various stages. This is what Dalsem is most recognized for: creating perfectly controllable conditions in which all the relevant influences and parameters are easily manageable while maintaining the subtleties of the process-management as a priority.



Dalsem integrates all the necessary cooling, steam and heating units in the design and engineering to achieve the installation of the complete works in one contract. Our climate installations are completely balanced both for water and air handling in order to minimize operating expenses throughout all stages of the process.

Computer

The Dalsem computer system for compost preparation and mushroom growing



is generally accepted as the most advanced computer system in the industry. For every project, Dalsem customises the computer system in order to integrate all the relevant parameters during all the stages into a centrally controllable operation. The computer system is the heart of every production facility, so Dalsem develops the heart that best fits your current operation and also provides endless

expansion possibilities according to the growth of your future operation.

The VEC-31 satellite computer can be programmed to control any element of the facility, Phase I, II or II, central air- of waterhandling, growing rooms, machines and more. The VEC-32 central system, that runs under Windows, combines, visualises and registers all the signals that are selected by the client: one computer for a complete operation, with numerous variations and expansion possibilities.

The system and software is constantly subject of development and improvement following the latest state of the art advances in computertechnology.

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Growing racks

Dalsem manufactures a variety of growing racks of high quality material and smartly designed to be most cost effective.

Most reputed are our aluminium shelving, applied in many projects all over the world. Except of aluminium Dalsem also brings on the market steel racks in a variety of options to meet the most economical solution for your growing.



Machinery

To complete any project, Dalsem supplies a full range of machines, taking into consideration the highest quality standards. For the supply of machinery Dalsem cooperates with the most well-established manufacturers in the market. From blending machines for compost preparation to tunnel filling and emptying equipment, from bag filling to head/end filling machines for stationary racks, from various growing equipment to compost and casing soil lorries.



Engineering

The basis for all our activities and projects is thorough engineering: for all the relevant specialisations, we have experienced engineering capacity that is not only based on knowing the drawing-board but, moreover, is based on practical know-how from the field. Continuous feedback and client support assures that the Dalsem Mushroom Projects engineering facilities provide a solid and up-to-date foundation for any project, anywhere. This not only assures the client of the security of experience, but also the availability of constant support from people who know how.

Miscellaneous supplies:

To complete any demand and request from you as a compostsupplier and/or a mushroom grower Dalsem supplies a full range of products for the mushroom industry:

- spigots for aerated floors;
- picking lorries;
- tunnel and growing nets;
- champi lights;
- servomotors;
- filters, EU3, EU7 and EU9;
- large tunnel doors;
- doors for growing rooms;
- PE airhoses in any size;
- Many other products on request.



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