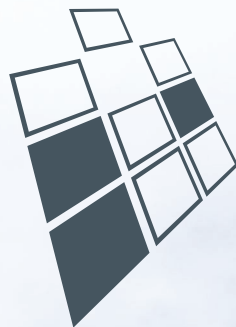


LIMBRACO

Innovations to your success



PRODUCT RANGE 2023



Limbraco

Limbraco ('Limburg Brabant Consortium') was founded in 1973. At that time, Limbraco mainly focused on supplying the pork industry and horticultural sector. In 1979 we also gained a foothold in the mushroom sector which, at that time, was undergoing radical modernization. Slowly but surely, Limbraco started to specialize more in the automation of picking and cutting companies. Within Limbraco, the mushroom sector expanded further still during the subsequent years, whereas the other sectors were scaled down. The late 2000s saw significant growth in international operations, resulting in major foreign contracts.

Approximately 30 people now work at our manufacturing facility, which has been located on Expeditiestraat in Horst, the Netherlands, since 2009. Everything is engineered and produced in-house at this site. Limbraco realizes turnkey projects, but also supplies individual components and machines, where quality always comes first. Limbraco works on many high-tech projects, with an emphasis on reducing labor costs. Comprehensive automation of various processes at a farm is our number one priority.

Turnkey Projects

We engineer and realize projects for mushroom production in the Netherlands, but predominantly also at global level. All over the world, our team of experienced and dedicated staff are ready to serve you by offering a complete package of products and services. From the design stage to completion, your specific requirements can be met by capable hands at Limbraco. We can also manufacture and deliver all the machines, climate control systems, computer systems and other equipment needed for successful and profitable yields.

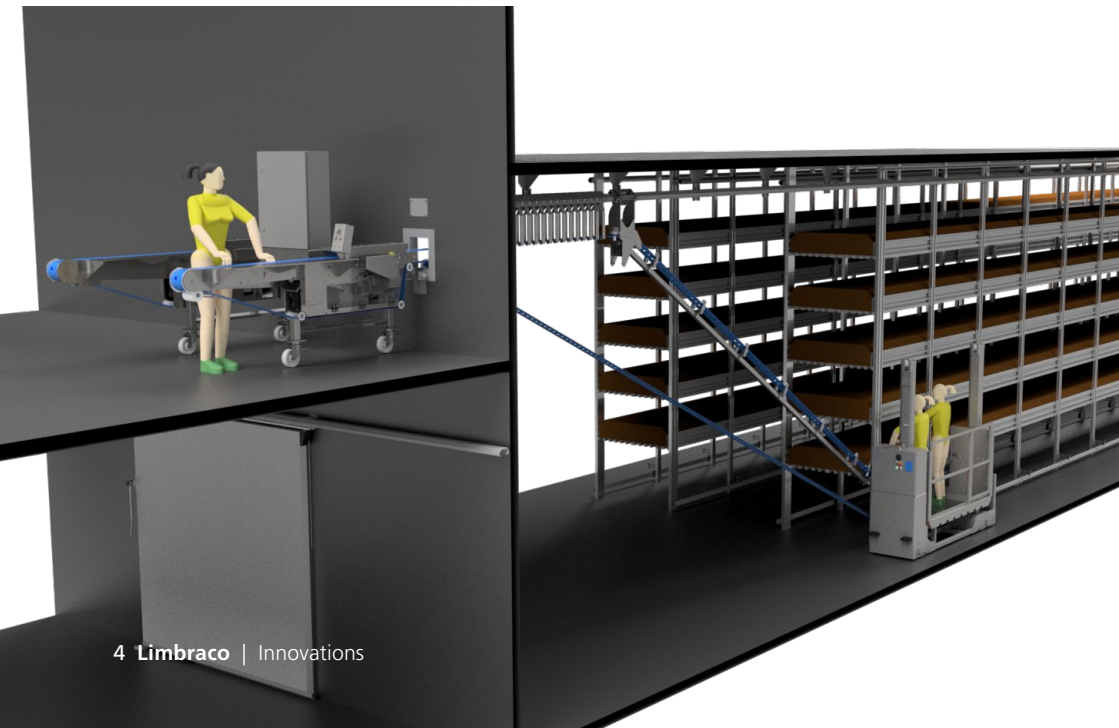


Innovations

One of Limbraco's top priorities is to continually improve and develop existing and new technologies. Examples of this are our highly successful single-layer growing system and the subsequent double-layer system, the electric-hydraulic harvesting lorries and harvesting trolleys, which are available in a variety of versions.

Our mindset is "anything is possible". We want to automate whatever is possible. This is achieved through simplicity. For example, by using the traditional shelving and harvesting trolleys, which are adapted for this purpose. But in addition, every customer-specific automation request can be discussed in order to improve the growing and harvesting systems.

This system is available in multiple setups. For example with packing stations located on the ground floor in the working corridor, or even in the growing rooms.



Construction

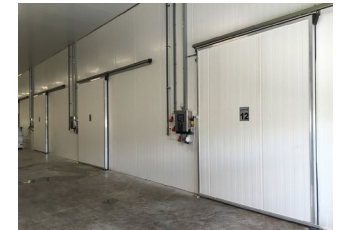
Steelconstruction

When we are commissioned to carry out a turnkey project on your behalf, or if you would also like us to supply and erect the steel structure, we will bring in our highly skilled partner companies to assist with this. They and, if necessary, local contractors, will make all the required calculations. This means that the structure can be built anywhere in the world without difficulty.



Sandwich Panels

Our panels are food grade and are provided with paint protection of the highest quality. The panels are top quality required for the extreme conditions.



Doors

Our doors are made from the same high-quality sandwich panels as the walls and ceilings. The guiding systems and door fittings are of equal importance. If required, lift-slide doors can be fitted with (overpressure) emergency doors or overpressure shutters. The door carriage is operated manually or by means of a hydraulic unit.



Shelvings

Limbraco supplies galvanized steel and aluminum shelf systems. From our standard shelf systems to extra-reinforced designs. Deviating statements are also negotiable. Limbraco has developed an adapted rack for the cultivation of air mycelium.



Controls

Fancom

Limbraco offers a high efficiently computer system that help keep growing on the right track. It is a state-of-the-art system that comfortably meet the requirements of a reliable computer system for mushroom growing. Available in standard polycarbonate and custom made stainless steel enclosures.



Panel Building and Controls

We construct the control cabinets for systems that have been developed by Limbraco, such as pressure-boosting systems, harvesting systems and air-conditioning systems. All controls for Limbraco's machines are also manufactured and installed in-house.



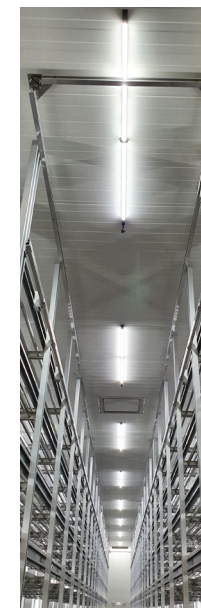
Electrical Installations

Install the entire industrial electrical installation in the Netherlands. For installations abroad, we work in partnership with local electrical firms that we contract for this purpose. Furthermore, the field service staff install our computer systems and other electrical control systems throughout the world, where necessary in cooperation with a local company.



LED Foodlights

Led Foodlights with a capacity of 20W each. Available in the color variants 4000K and 6000K. Lights are shockproof and waterproof.



Probes

Various types of probes for measuring compost and air temperatures. Available for several computer systems (NTC, PT100, other types on request).



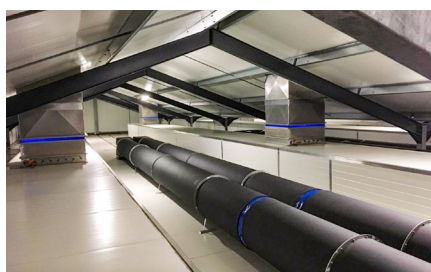
Climate Systems

Air-handling

Our climate units are genuine state-of-the-art products, manufactured at our own factory in Horst, the Netherlands. All components that we use, from fans to inspection hatches, are of first-class quality.

Fresh air supply per individual air handling unit, or via a energy-saving central duct for preconditioned fresh air to the growing rooms. A central duct combined with central exhaust ducts (equipped with heat exchangers) can provide significant cost savings as this energy can very effectively used as pre-heating and pre-cooling of the air in the central duct. The choice is yours!

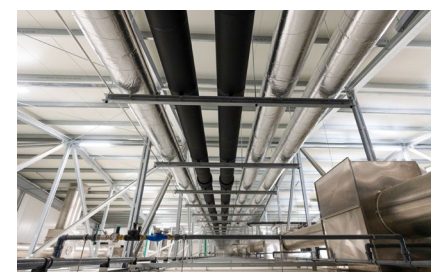
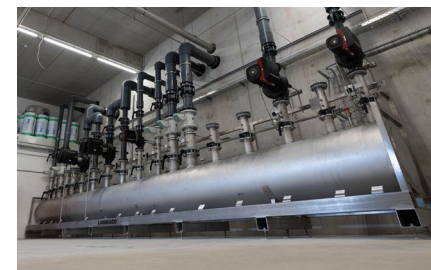
Saving on energy costs through efficiently engineerd HVAC systems is a major factor in our climate installations.



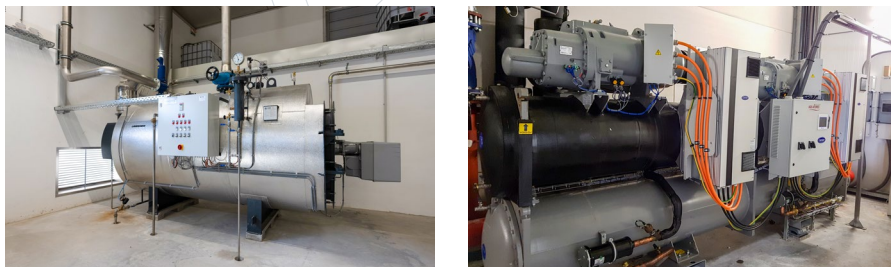
Mechanical Installation

We can provide heating and cooling systems as almost an entire system. Distributors are delivered as complete skids, made entirely from stainless steel, using only the very best components, such as pumps, valves, cut-off valves, etc. Pipework is constructed predominantly from stainless steel and where appropriate PVC. We usually supply prefabricated stainless-steel pipes.

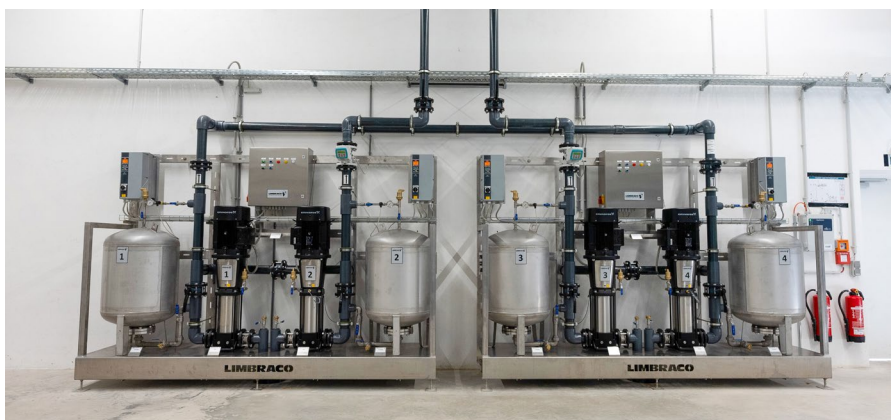
The low-pressure steam system is also an important part of the whole climate control system. We supply and install this system, which is made entirely from stainless steel. Valves are on/off, air-operated or modulating, usually in line with a customer's wishes.



Limbraco can also provide advice regarding the capacities of the cooling units, heat pumps, heating and steam boilers if required.



The supply of water remains an important factor for an optimal growing process. A constant water supply is extremely important for the correct operation of an automatic irrigation system. To this end, Limbraco has a perfect pressure booster skid in its product range. This is combined with a good water softener and, if required, deferrization unit to achieve the required water quality. The same applies to the water purification installation.

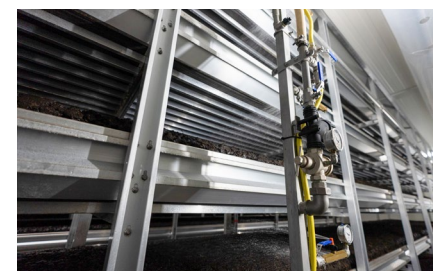
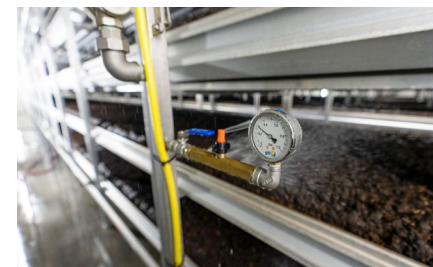


Automatic Watering System

In cooperation with one of our partners we can offer you an Automatic Watering System.

Main parts of this watering equipment consists of a cable pull system, frequently controlled transport station and watering trees. Control is done by means of a 767 Fancor watering computer.

This equipment combined with our watering skid and years of expertise will assure you a perfect watering system for many years.



Static Watering System

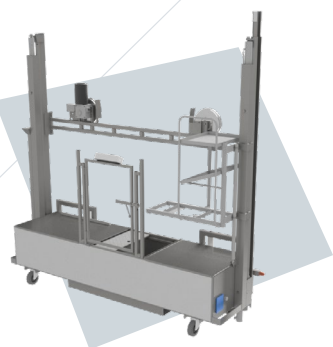
Limbraco can supply this system integrated in the shelving. Controls can be done via the Fancom 767 watering computer. Piping will be supplied in stainless steel.



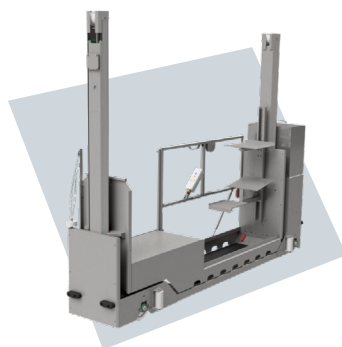
Machines

Manual Harvest

For farms that harvest manually, Limbraco offers a whole range of “simple” manual harvesting aids, through to “extremely advanced” harvesting trolleys and lorries in production. All of our machines are tailored completely to our customers’ requirements. This applies to the dimensions, but also to the available options.



Hydraulic Lorry PL.100



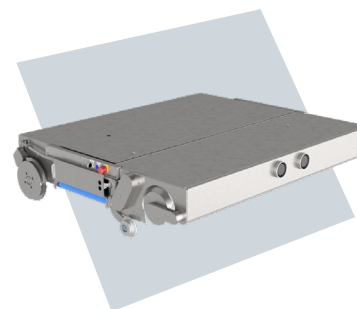
Hydraulic Trolley HT.100



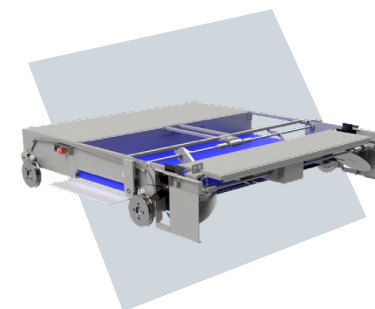
Harvesting Trolley 1st and 2nd Layer

Mechanized Harvesting

Limbraco is also the ideal partner for mechanized harvesting. We supply almost all machines required for growing and harvesting.



Stem Removing Machine

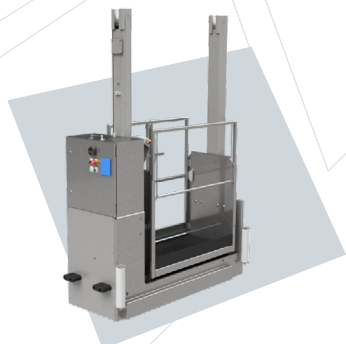


Harvesting Machine

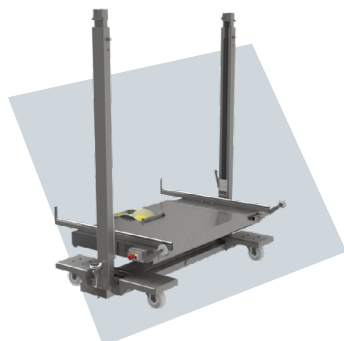


4-Leg Machinelift

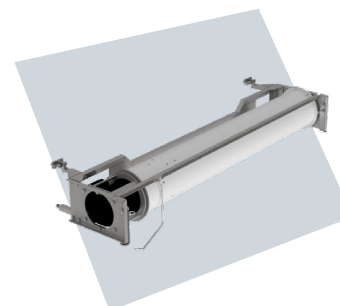
Other Machines



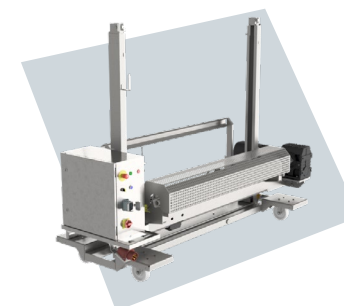
Hydraulic Trolley HT.200



2-Leg Machinelift



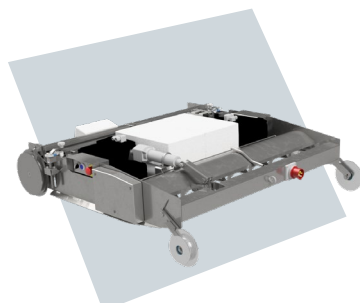
Electric Cabledrum



Filling Winch



4-Leg Machinelift



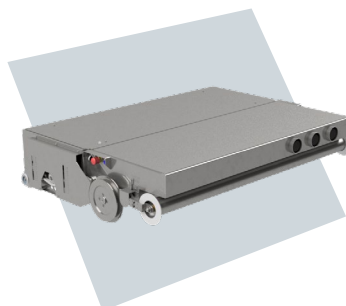
Rufflingmachine (single axle)



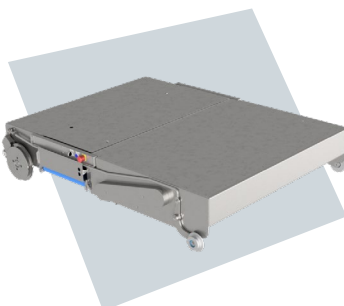
Hydraulic Filling Winch



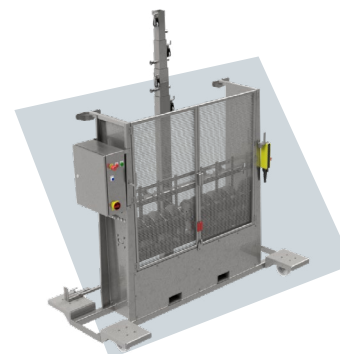
Netwasher



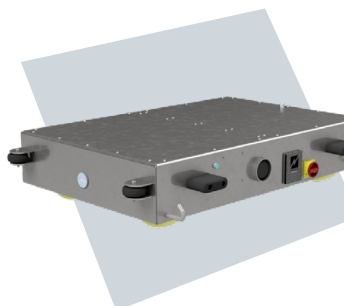
Rufflingmachine (twin axle)



Casing Soil Separator



Cloths Pull Back Machine



Cable Pull Machine

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