

INTERNAL LOGISTICS SOLUTIONS

Insect farming automation



Scale your crate flow
for mealworms
& black soldier flies

AUTOMATED INSECT FACTORY

Create the backbone for your farm

Our focus

Our logistics automation takes care of moving, storing and cleaning crates throughout the insect production cycle. Next to crates, we transport bulk flows of insects and frass through the BSF or mealworm farm.



Tailored to insect farming

We believe in specialization. With our background in indoor farming and track record in the insect industry, we tailor our solutions to insect farms. Our robust machines are accustomed to the conditions in farms.



Design, build and integrate

We deliver integrated solutions including system layout design, machines lines and software integration. We operate across the globe via our network of local offices and distributors.



Logistics automation

Crate handling

We offer a diverse range of handling systems for (de)stacking, (de)palletizing, conveying and tipping. We handle crates from 40x30cm to pallet-size. We ensure an automated flow by connecting to related processes such as feeding stations.

Storage systems

We offer automated and scalable crate storage solutions for insect farming, in both the nursery, rearing and reproduction phase. Our portfolio consists of shuttle systems and AGV/AMR (mobile robots), which can be deployed for **single and multi-level storage**.

Crate cleaning

Together with Unifortes, a Viscon company, we supply and integrate fully automated cleaning systems. These solutions have been tried and tested in insect farms. Besides crate cleaners, we supply washers for pallets and egg grids.

Harvesting

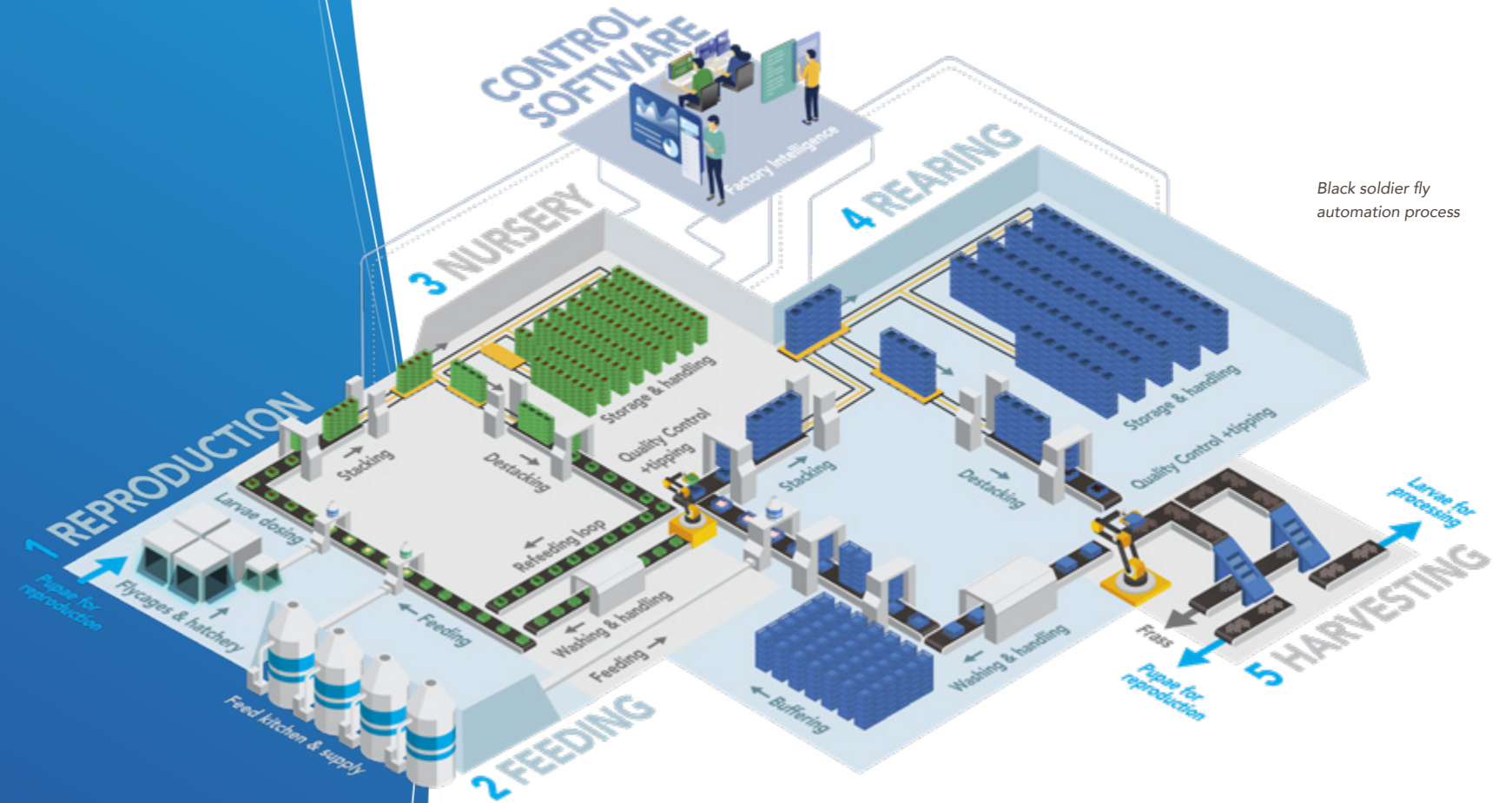
We complement our tipping solutions with integrated conveying towards the separation of larvae and frass. Conveying of the resulting stream of larvae and frass is also included, while we can integrate the separation machines into our scope as well.

Reproduction

For mealworms we automate the entire reproduction process in crates, while for BSF we can automate several steps to reduce labour intensive work. This includes neonate and larvae dosing solutions.

Factory Intelligence software

Our software enables you to manage the production from your operator room. Plan and execute your orders from here and control the process with track and trace and visualization software.



Black soldier fly
automation process

SOLUTIONS TO FIT YOUR OPERATIONS

About Viscon

Passionate about Agro and Food processes and the limitless possibilities technology has to offer. Our software, machinery and integrated solutions enable the world to produce, distribute and enjoy healthy fresh food, flowers and plants. Our decades of expertise in various Agro & Food sectors provide a solid foundation for venturing into insect farming. In particular, our experience in building hundreds of vertical farming & greenhouse automation projects share cross-sector similarities.

Viscon takes pride in jointly developing the logistical process with our customers. Based on in-house engineering, production and software development, Viscon incorporates all our customers' needs within our scope in an optimized insect farming design. During this process, we also establish a seamless connection with any third-party equipment, like insect feed technologies and climate control (HVAC).

Our track record in high-volume logistics and the insect industry provides great opportunities for the development of large-scale insect farms. Curious to see how technology and automation can contribute to insect production? Our expertise has already been demonstrated in the world's first large-scale automated black soldier fly farms. Feel free to contact us.



From idea to realization
and beyond

Insect farming technology tailored to your needs



Viscon Group

Mijlweg 18
3295 KH 's-Gravendeel
The Netherlands

+31 (0) 78 673 98 98
www.viscon.eu

Jasper van Dijke

COMMERCIAL MANAGER

j.vandijke@viscon.eu
+31 (0) 6 899 35 486

Frans van Dam

SALES ENGINEER

f.vandam@viscon.eu
+31 (0) 6 899 32 777

Visit online

viscon.eu/markets/insects

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insect-technology/](https://linkedin.com/company/viscon-insect-technology/)