

Egg Processing

BreakerPro - Up to 1% higher yield while saving resources



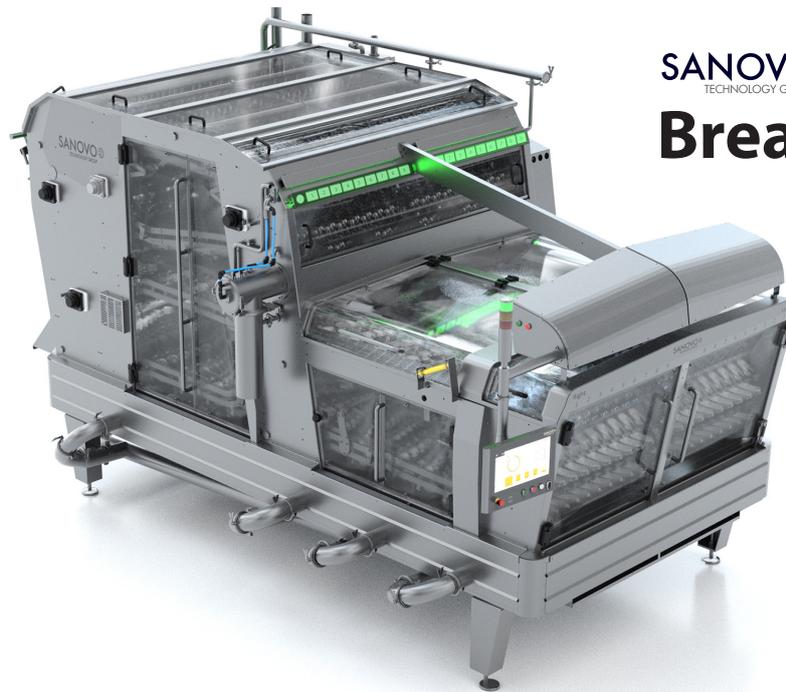


Liquid Egg Processing for Market Leaders

The world around us is changing. With a growing world population, resources like natural protein become scarce, and there is a global need to optimize the food processing industry for waste reduction and yield increase of raw products.

Additionally, both the consumption of fresh water and disposal of wastewater are becoming an economic burden for businesses in the egg processing industry. Water is not an unlimited resource, which every year becomes more evident to us.

With increasing consolidation efforts in egg businesses comes a more focused approach for improving yield and overall production efficiency, including the reduction of operational cost. As a preferred supplier to this industry, it is our role to provide the right solutions to meet these ambitious targets.



SANOVO 
TECHNOLOGY GROUP

BreakerPro



Up to 1% higher yield resulting in a higher ROI



Green product design resulting in utility savings
(water + chemicals + power)



Optimized yolk cup design and scanner system for even
cleaner egg white and higher product quality

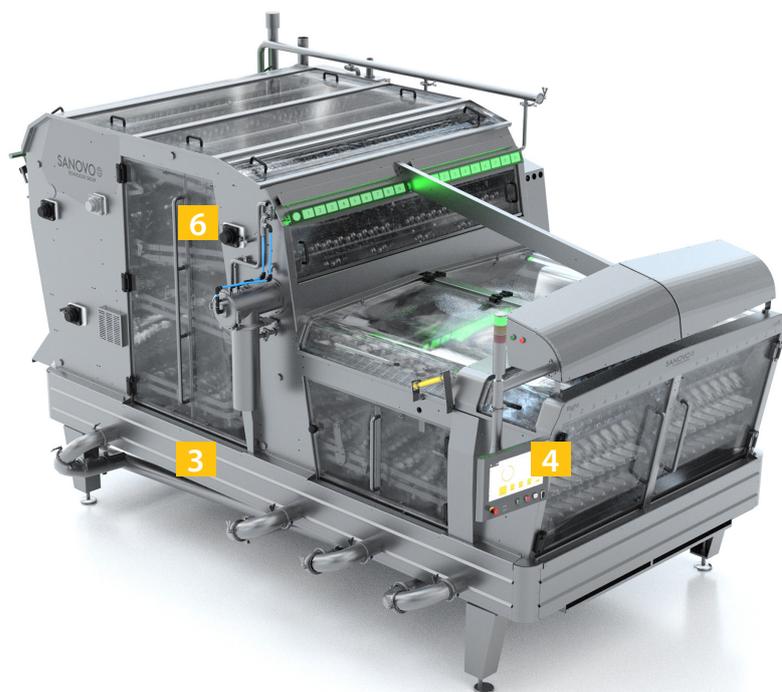


New 15.6" Multi Color Touch panel giving operators
maximum insight into machine performance



Belt-less drives for maintenance free operation and
electronic synchronization

Highest yield in the industry and lowest possible environmental impact



1 Optimized yolk cup

The yolk cup has been re-designed with a new angle and depth to eliminate sliding yolks. This results in less product spillage and better overall product quality for our customers. We still use food grade polyethylene cups instead of stainless steel cups, due to the many advantages, such as better egg white scanning due to less light reflection and up to 40% lower power consumption due to the lower weight.

2 Egg white recovery unit

The egg white recovery unit ensures a higher yield by extracting egg white stuck in the shell before the shells are disposed from the breaker. This results in up to additional 0.5% yield of final product that can be processed as edible! The module comes as an option and can be selected based on your requirements.

3 Longer machine frame

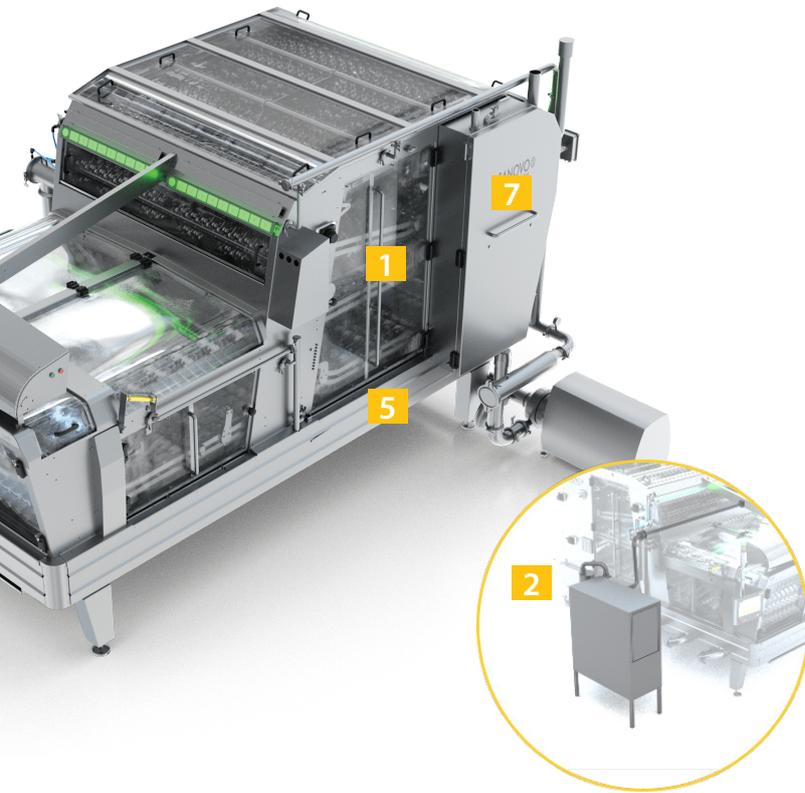
With a longer machine frame, we achieve a 57% longer dripping time as comparable machines on the market. Dripping time is defined as the time from opening the egg until discharge of the shell into the auger. With this method and the built-in backstop on the grippers we obtain up to 0.5% higher product yield compared to other breakers.

4 Brand new HMI

A large 15.6" multi color touch panel with RFID access control providing a new interface showing all essential operational figures.

5 Optimized CIP system

The CIP system has been re-designed to eliminate the need for water and energy. This has been done by eliminating the need for an external CIP tank. Instead, the BreakerPro is used as a self-contained system. If an even further reduction is required, BreakerPro has an option for a pre-flush tank.



Up to 226,800 eggs/hour
(630 cases/hour)



Open technical specifications



Play video



Go to website

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ervoir for the CIP fluid.
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6 Optimized egg grippers

The grippers in the BreakerPro have been optimized with a new backstop designed into the gripper heads. The re-designed grippers ensure a more controlled cracking of the eggshells and thereby optimizes the draining of the shells, thus resulting in a higher yield.

7 Servo motors and no belts

We discontinued the use of belt drives and introduced servo and gear motors in the BreakerPro. This solution minimizes the risk of downtime, as the gear- and servomotors are more reliable. Furthermore, it simplifies the adjustment when commissioning the breaker as well as during maintenance.



World-class Performance while Protecting the Environment

Among all egg-breaking solutions worldwide, the BreakerPro has the highest yield and most sustainable solutions, enabling world-class performance while protecting the environment.

Discover below which features have made the new BreakerPro greener and more efficient.



Get in touch for a ROI calculation meeting with us



ELIMINATION OF SLIDING YOLKS

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We still use food grade polyethylene cups instead of stainless steel cups, due to the many advantages, such as better egg white scanning due to less light reflection and up to 40% lower power consumption due to the lower weight. Every drop is valuable!



REDUCED NEED FOR WATER AND CHEMICALS DURING CLEANING

With the BreakerPro, we eliminate the need for a separate tank and the external pre-flush system for the CIP. Lower footprint. Plug&Play! Instead, the bottom of the BreakerPro is designed as reservoir. This results in a 15% reduction of water and a 15% reduction of chemical usage. As an option a separate pre-flush system can be installed reducing the water consumption as much as 40%.



Watch
movie



WATER AND CLEANING

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ir, resulting
a 50%



n tank can
consumption

USER FRIENDLY MACHINE OPERATION

The HMI has been completely revolutionized, with a 15.6" multi color touch panel and easier log-on access through an RFID access card, which can be configured individually for different access levels.

Operators always have a clear overview of the capacity and the filling rate. Moreover, you can access to the manuals directly via the HMI, where you will find any operational data you might need. Furthermore, spare part drawings and maintenance-videos can be viewed.



Software

Add More Value to Your Breaking Process

In today's world data means everything.

Whoever has the best data quality has the edge on the market. This is why we have upscaled our software platform for the BreakerPro. Including traceability, machine performance and cloud solution.

With our traceability solution you can keep track on the supplier performance and egg- and product quality, for optimization of your business. In terms on machine performance, you will benefit from our brand new multi color touch panel, which allows you easy access to production and machine data.

With our cloud solution, LinkPro, you can easily monitor and access the machine remote to maximize the uptime and production efficiency.



ENSURE TRACEABILITY IN EGG PROCESSING

Together with our partners at Ovotrack, a company well-known for its traceability solutions, we help you keeping track of the processed eggs origin. With *Breaker Batches*, you get accurate and detailed data of batch specific breaking results that help you providing additional value to your customers without downtime in your breaking process.

After scanning the label, the exact time of batch change is signaled to the breaking machine with help of the RFID egg. Thanks to this automatic batch change, the loader does not have to run empty to capture the exact breaking results, meaning no loss of capacity.



IMPROVING PRODUCTION OVERVIEW

The brand new and intuitive user interface provides an easier overview of all production and maintenance data, enabling you to plan your production the most efficiently.

As an example we have introduced graphic displays of the production data, overall and per line, making it easier and faster to view.

The error log is combined with a visual display of the problem area, enabling you to locate it faster and evaluate what to do. Furthermore, you are able to get the manuals, electrical drawings and maintenance videos displayed directly on the HMI, saving time getting the information.



REMOTE ACCESS VIA THE CLOUD

Unscheduled downtime cost money. That's why we developed LinkPro, a solution that via a secure VPN connection allows our technical support to access the machine diagnostics to help reducing the downtime.

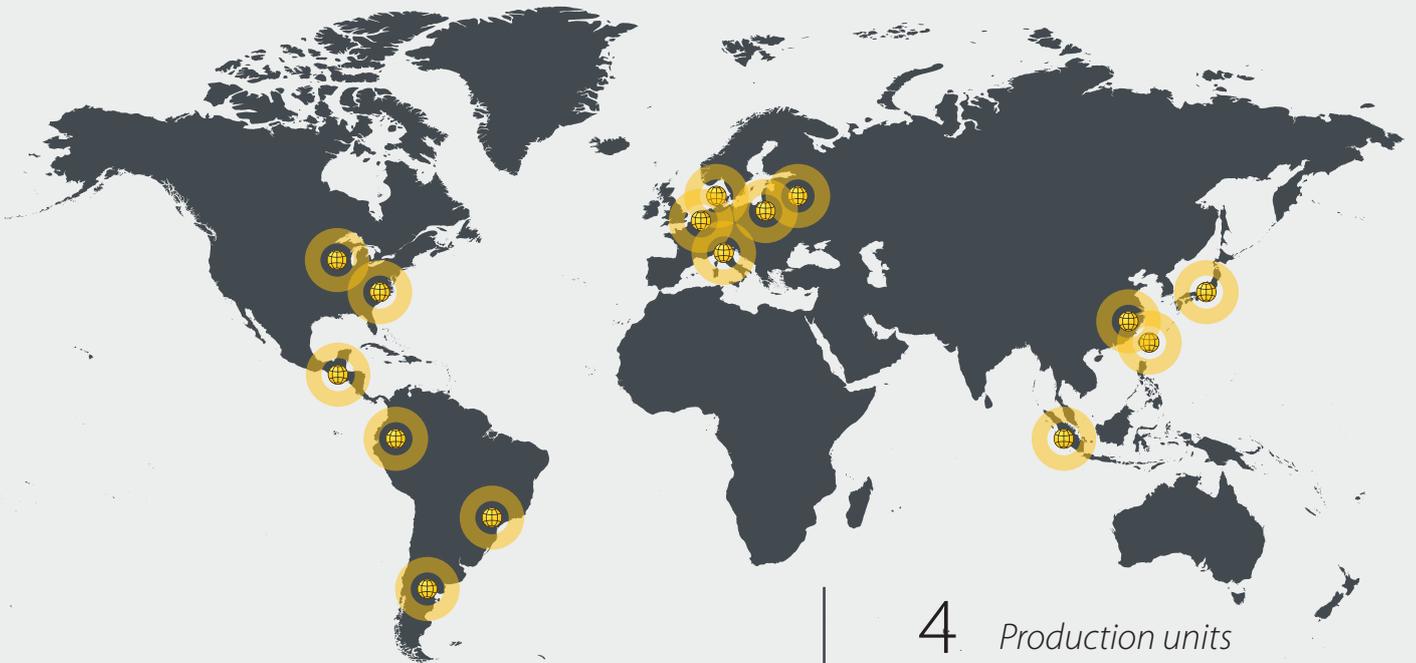
On top of that LinkPro offers you easy access and actional insight to the data logged to the cloud in real-time. This means you get full control over your production process, for example by spotting and reacting on deviations based on historical data and a standard dashboard providing high value.



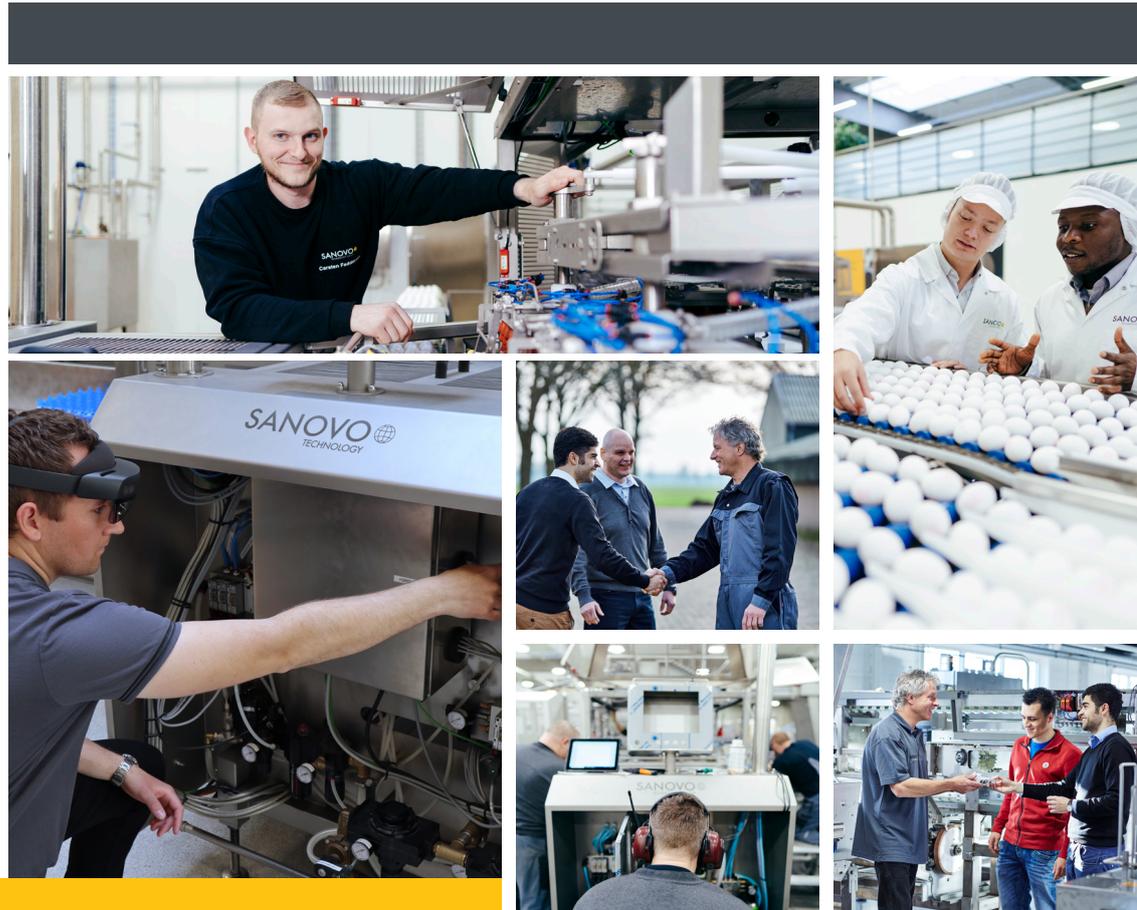
Worldwide Service & Support Anywhere at Anytime



Our team of specialists is here to help if you have any trouble with your equipment, need technical support, ordering spare parts, training of your local staff or if you need an upgrade or maintenance of your machine.



4 *Production units*
15 *Sales & service offices*
+50 *Distributors*



SANOVO CARE

Our contracts make it easier for you to choose a service that fits your needs

We believe that no matter how similar two facilities are, their maintenance needs are never the same.

This is why we specialize in customized SANOVOCare Agreements, which are designed specifically to maximize the return of your investment while minimizing your risks and break downs.

TRAINING PROGRAMS

It is our experience that a well-trained staff is more capable of performing essential and correct daily maintenance which minimizes downtime and ensures that the equipment operates smoothly.

We offer a balance between theory and practice in our state-of-the-art training facilities that are fully equipped with operating machines.

SPARE PARTS

We stock more than 10,000 parts, and our intelligent, global storage and logistics system makes it possible to operate with short delivery times.

Original spare parts from SANOVO have the advantage of fitting quickly and easily. They have a long service life and can be supplied many years after the machine was first purchased.



Learn more about customer care

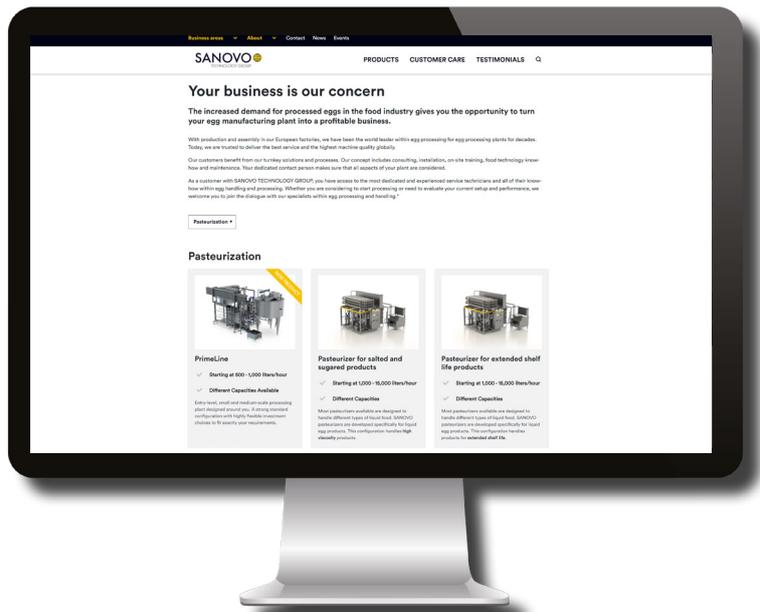
TECHNICAL SUPPORT

In Technical Support we have invested in digital technologies to facilitate more effective communication and interaction - all to keep our equipment running and up-to-date every day all year. With Microsoft HoloLens we are ready to assist you on the spot.

AFTERSALES

Keep your existing equipment up-to-date with our aftersales.

Upgrading, remodeling of your existing equipment or integration of new installations - we are here to assist you.



**Go to www.sanovoegg.com
to learn more about our breaking solutions**

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