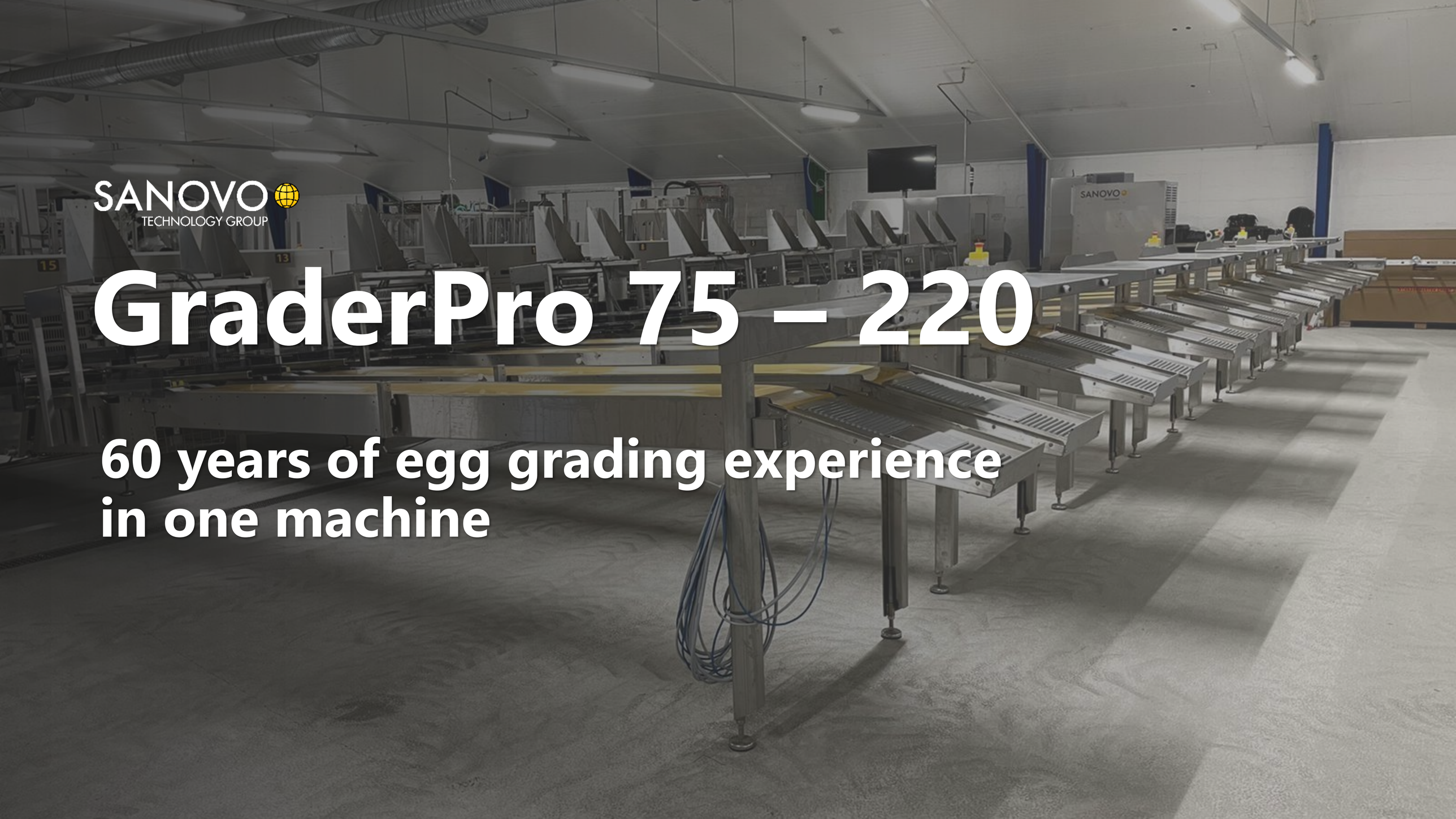

SANOVO
TECHNOLOGY GROUP
GraderPro 75 – 220
60 years of egg grading experience
in one machine

SANOVO TECHNOLOGY GROUP

GraderPro

EVERY EGG HAS A TAG

All the SANOVO packaging and grading machines have traceability options, but the GraderPro offers single egg traceability. **“Every egg has a tag”,** from the first detection system in the grader, the software tracks every single egg until packed in the carton, case, or pallet.

Egg tracing enables you to track your eggs back to where they came from. Available in sizes from 75 to 220 cases/hour, the machines are designed to meet all your requirements for efficient and safe grading.

EFFICIENCY 01

EFFICIENCY

By re-designing the main track alongside the new no-side-impact technology, the GraderPro can run with reduced track-speed of up to 25% compared to other manufactures.

HYGIENE 02

HYGIENE

The design of the machine ensures that the all-integrated CIP (cleaning-in-place) cleans all the necessary parts without blind spots in a cost-efficient way.

FOOD SAFETY 03

FOOD SAFETY

With 100% egg traceability you develop your business alongside food safety requirements. Food safety is standardly guaranteed with food contact material.

GraderPro 75-220

60 years of egg grading experience in one machine.

GraderPro 75

27,000 eggs/hour
75 cases/hour

GraderPro 110

39,600 eggs/hour
110 cases/hour

GraderPro 150

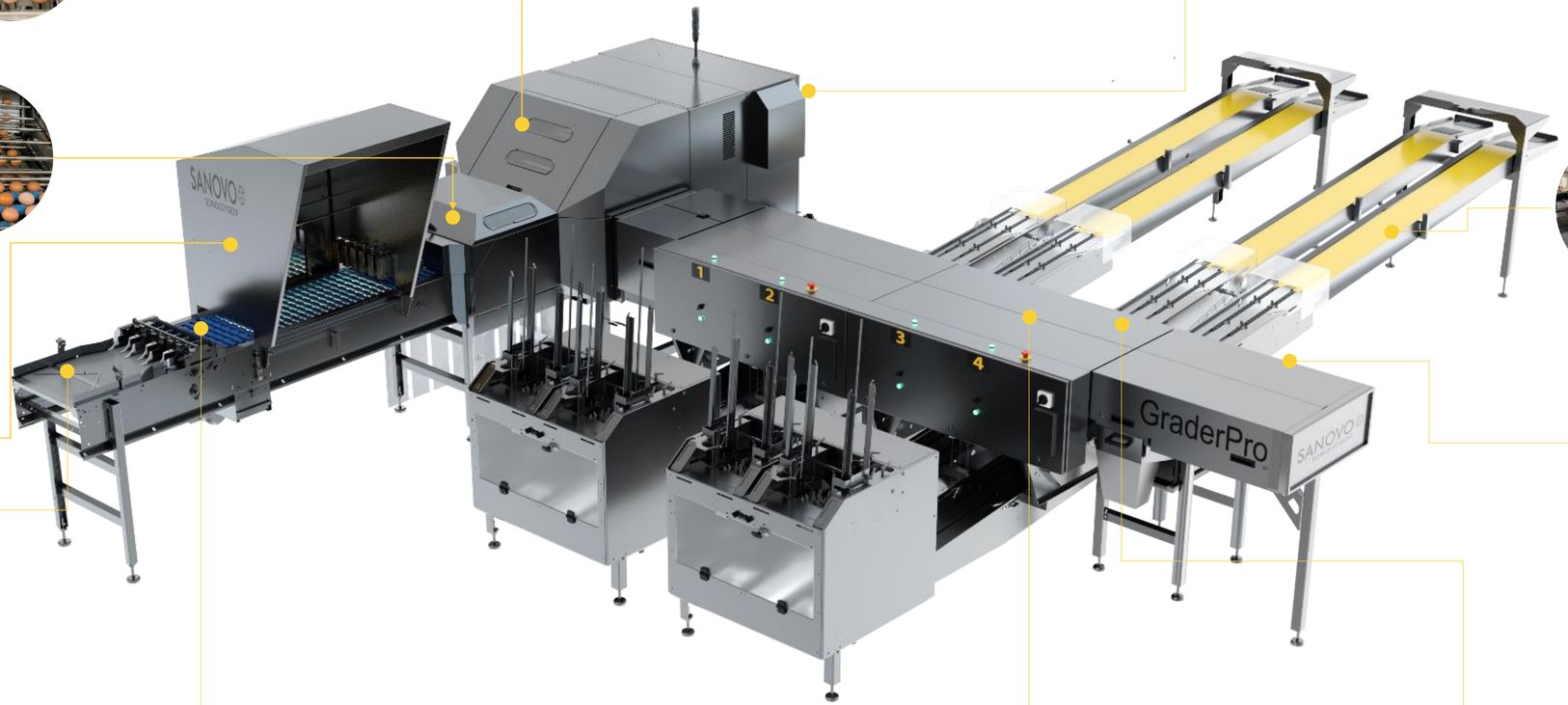
54,000 eggs/hour
150 cases/hour

GraderPro 220

79,200 eggs/hour
220 cases/hour

GraderPro 75

75 cases/hour (27,000 eggs/hour)



ORIENTATOR

WEIGHING/ CRACK DETECTION

CANDLING BOOTH

INFEED

ACCUMULATOR

MAINTRACK

TOUCHSCREEN

PACKING LANES

END RELEASE
With two more weight categories

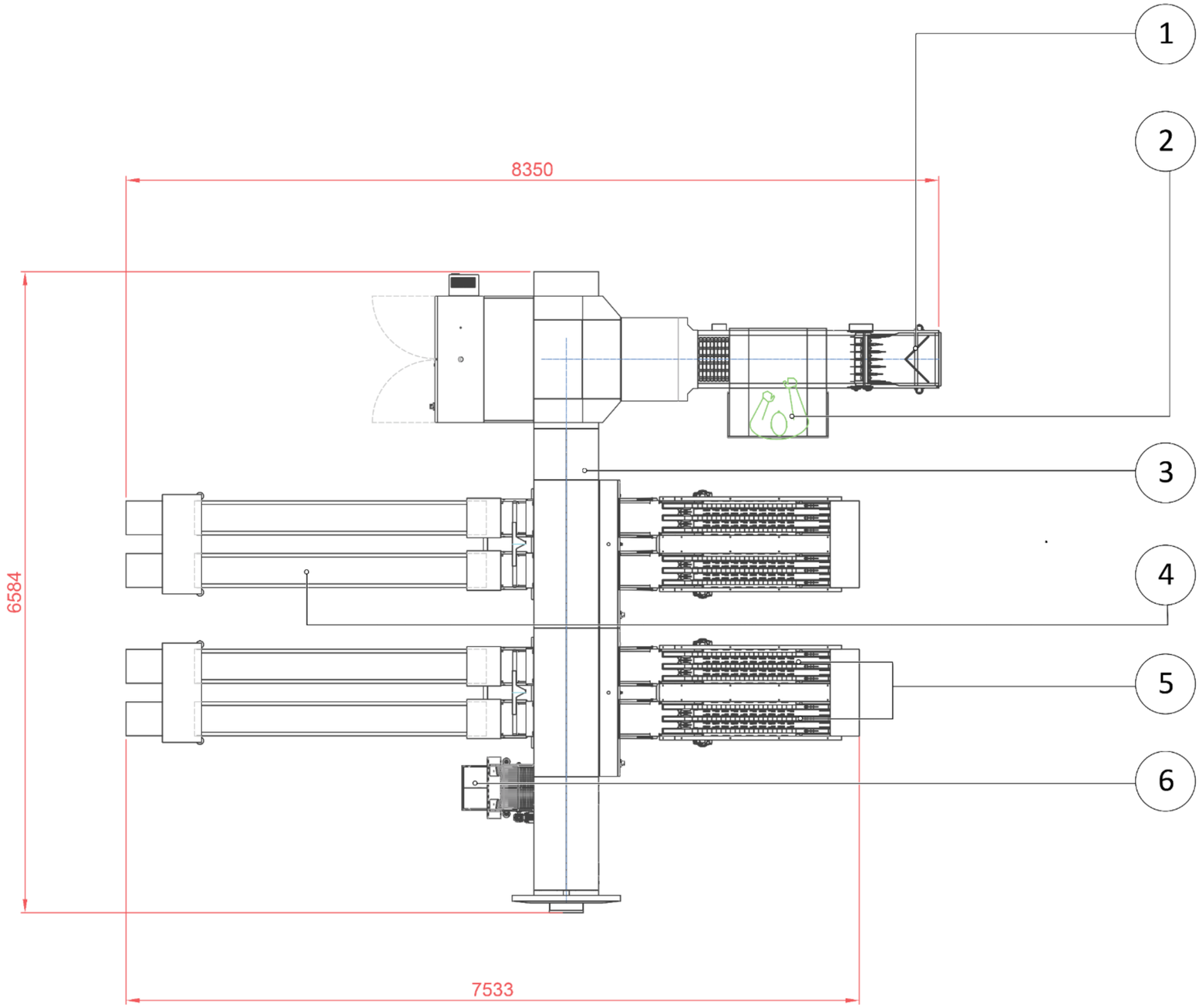
PACKER/CASCADE

GraderPro 75

Layout

MACHINE COMPONENTS

1. Accumulator
2. Candling booth manual
3. Machine Frame
4. Packing lane without closer
5. Manual Denester
6. End release



GraderPro 110

110 cases/hour (39,600 eggs/hour)

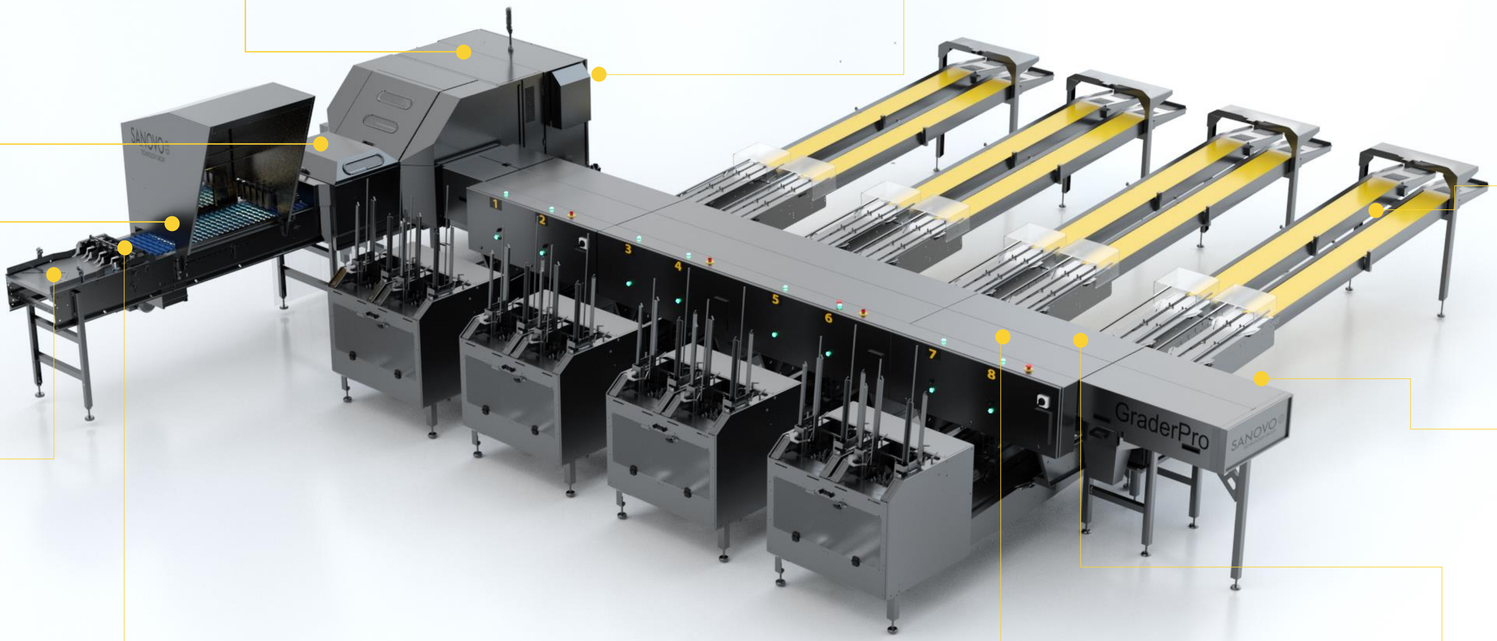
ORIENTATOR

WEIGHING

CANDLING BOOTH

INFEED

ACCUMULATOR



MAINTRACK

TOUCHSCREEN

PACKING LANES

END RELEASE
With two more weight categories

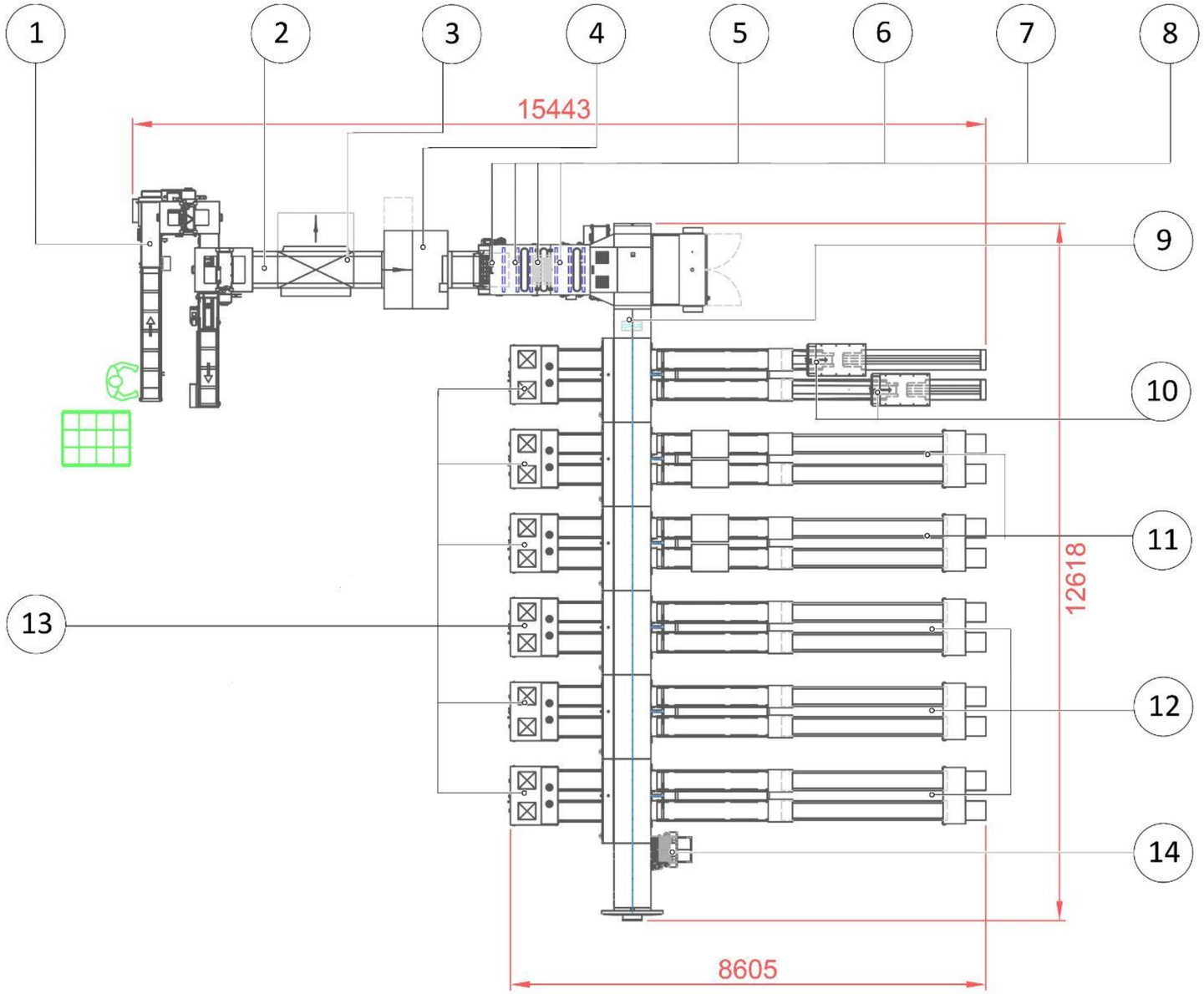
PACKER/CASCADE

GraderPro 110

Layout

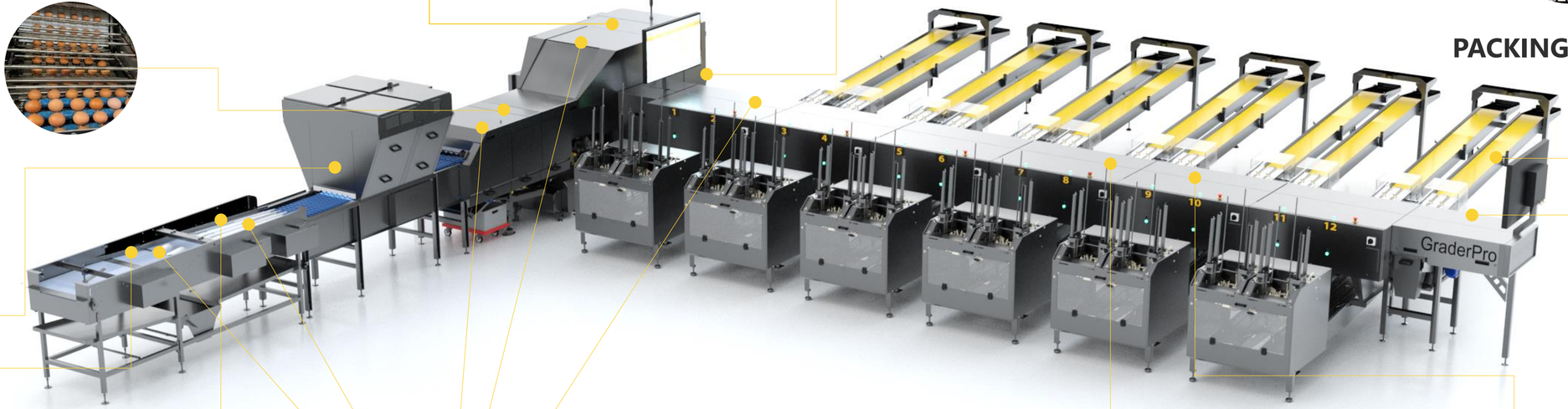
MACHINE COMPONENTS

1. FlexLoader with destacker
2. Infeed conveyor
3. Triple roller cleaning brush with UVC disinfection unit
4. Leaker Dirt detector
5. Transporter UVC
6. Leaker Removal gate for offgrades to be dropped in a bin
7. Crack detector
8. Whole egg removal gate with brush on belt
9. Blood detector
10. SX40 Traystacker
11. Packing lane with closer
12. Packing lane without closer
13. Automatic Denester
14. End release



GraderPro 150

150 cases/hour (54,000 eggs/hour)



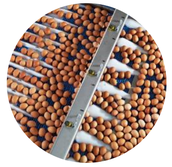
ORIENTATOR

WEIGHING/CRACK DETECTION

LEAKER/DIRT DETECTION

INFEED

ACCUMULATOR



CIP

MAINTRACK

PACKER/CASCADE

END RELEASE

PACKING LANES

TOUCHSCREEN

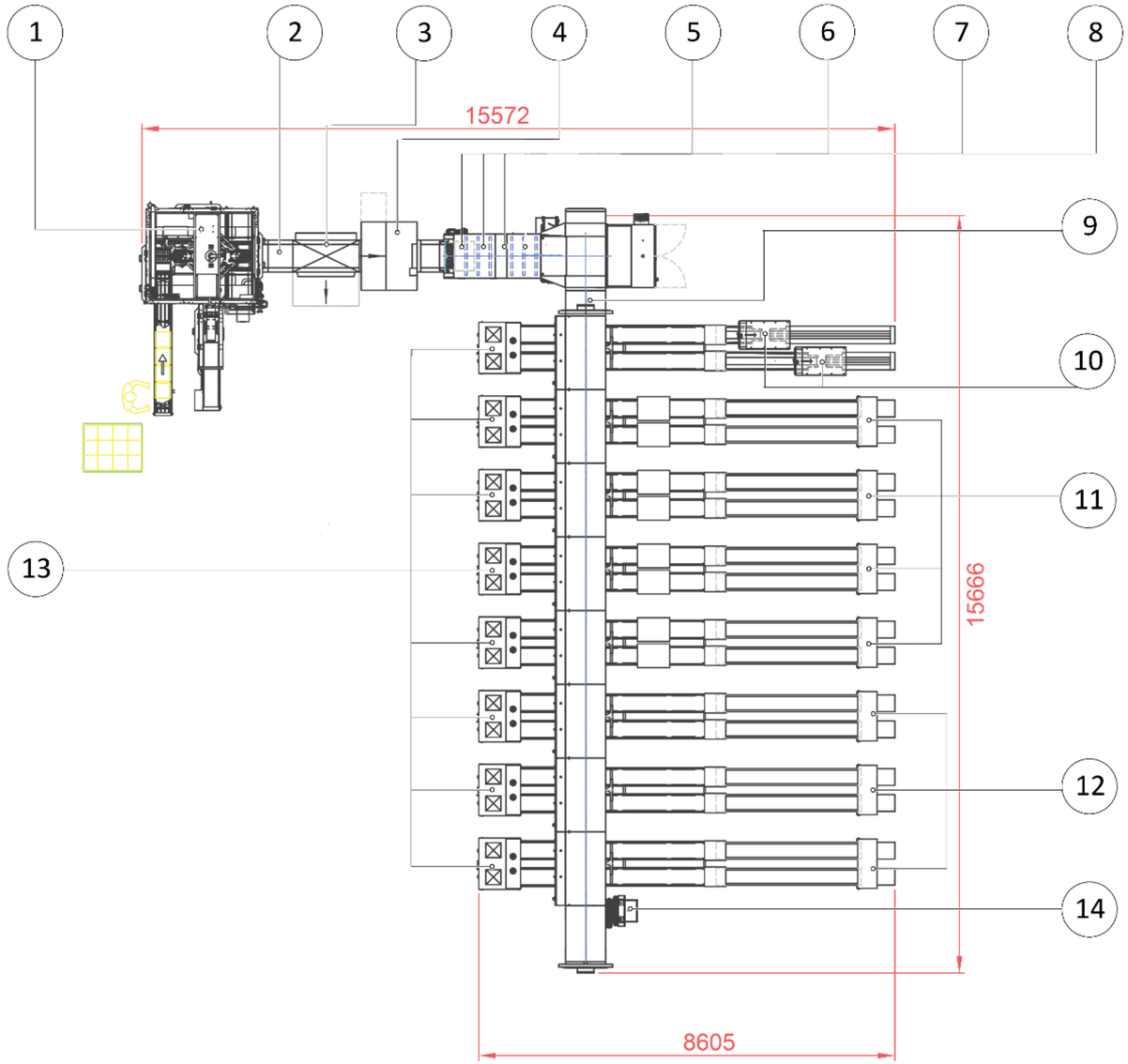
GraderPro 150

Layout

MACHINE COMPONENTS

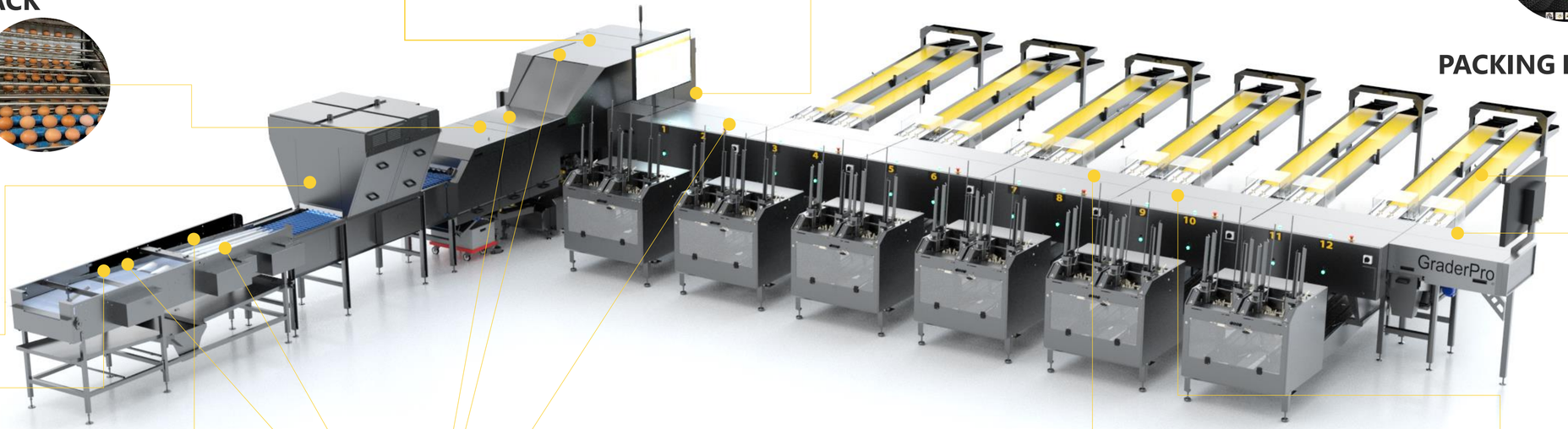
1. OptiLoader
2. Infeed conveyor
3. Triple roller cleaning brush with UVC disinfection unit
4. Leaker Dirt detector
5. Leaker Removal gate for off-grades to be dropped in a bin
6. Weighing
7. Crack detection
8. Whole egg removal gate with brush on belt
9. Machine frame
10. SX40 Traystacker
11. Packing lane with closer
12. Packing lane without closer
13. Automatic Denester
14. End release

*Not displayed overhead information screens



GraderPro 220

220 cases/hour (79,200 eggs/hour)



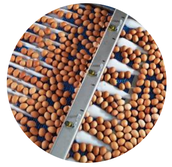
ORIENTATOR

WEIGHING/CRACK DETECTION

LEAKER/DIRT DETECTION

INFEED

ACCUMULATOR



CIP

MAINTRACK

PACKER/CASCADE

END RELEASE

PACKING LANES

TOUCHSCREEN

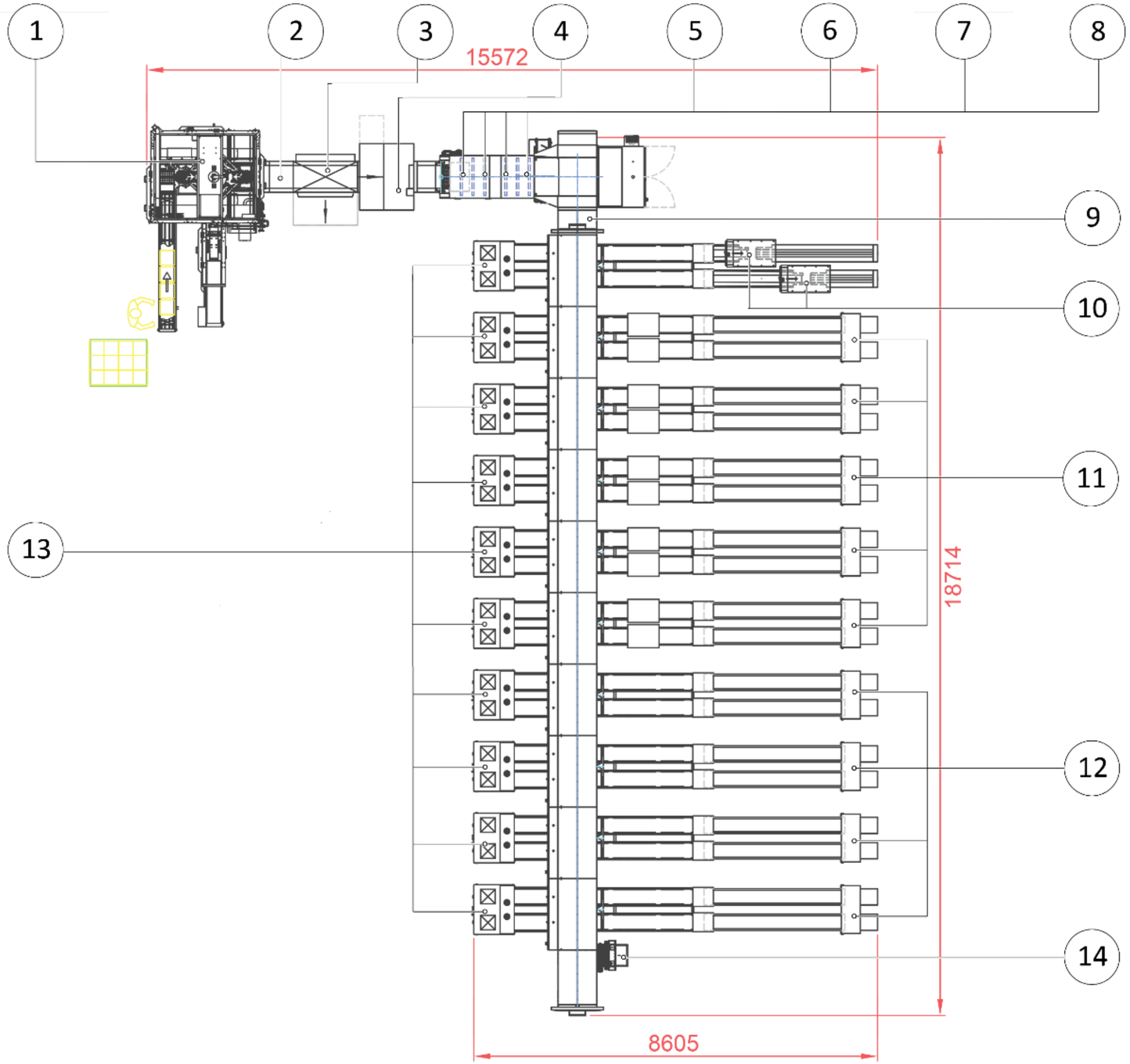
GraderPro 220

Layout

MACHINE COMPONENTS

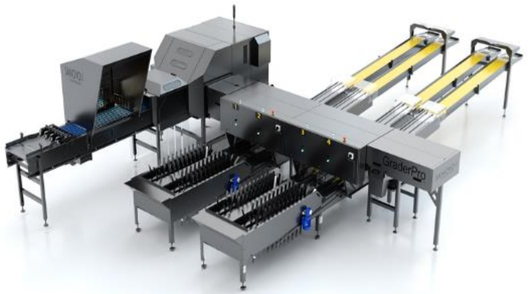
1. OptiLoader
2. Infeed conveyor
3. Triple roller cleaning brush with UVC disinfection unit
4. Leaker Dirt detector
5. Leaker Removal gate for off-grades to be dropped in a bin
6. Weighing
7. Crack detection
8. Whole egg removal gate with brush on belt
9. Machine frame
10. SX40 Traystacker
11. Packing lane with closer
12. Packing lane without closer
13. Automatic Denester
14. End release

*Not displayed overhead information screens



Available Packing Lanes

Standard and advanced packing lanes

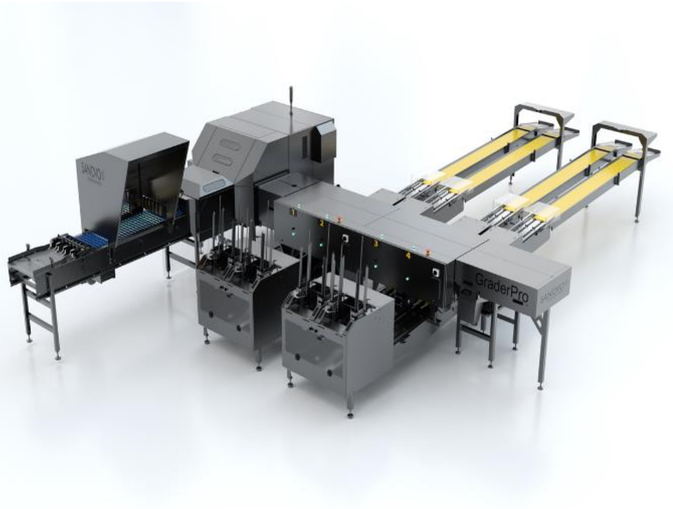


Packing lane 3010

The economical solution. Manual denester without closer.

Packing lane 3020

Automatic denester without closer.



Packing lane 3030

Automatic denester and closer

Software Feature Configuration

Software Features	75	110	150	220
SANOVO LinkPro	●	●	●	●
Separate zone sorting (infeed)		○	○	○
Batch reports	●	●	●	●
Inkjet on eggs/provision	○	○	○	○
Upgrading per product		○	○	○
Separate weight limits	●	●	●	●
Dynamic weight limits		○	○	○
Product-based grading	●	●	●	●
Order-based grading		○	○	○
Pack print/labelling		○	○	○
Color grading (optional to dirt detection)		○	○	○
Capacity control		○	○	○
Supply quality	○	○	○	○
Egg-IT Switch		○	○	○
Egg-IT Trace		○	○	○
3rd party system integration (ERP)	○	○	○	○

● **STANDARD**
○ OPTIONAL

Featured

SANOVO TECHNOLOGY GROUP **LinkPro**

Assure the quality and success of your production in the long term with easy-to-view, actionable insights from the cloud in real-time. **Wherever you are, whenever you want.**

Crack detection with Artificial Intelligence

SANOVO TECHNOLOGY GROUP ProVision AI

SANOVO embarked on the journey of Vision systems supported by the incredible technological promises of Artificial Intelligence (AI).

The current vision systems are applied to detect dirt on eggs or leaking eggs. Therefore, the development continued to apply this technology to crack detection, without touching the eggs. This eliminates cross contamination issues and further mechanical stress to the eggs!

The **SANOVO ProVision AI** system is equipped with extras, and always gets smarter through machine learning. We have already proven the fact that we are able to detect cracks on washed white and brown eggs and are continuing the development to outperform any other crack detection system on all levels.

Next Generation Egg Grading

Become a state-of-the-art grading station with SANOVO TECHNOLOGY GROUP GraderPro

Full Traceability

Track your eggs individually for adding value to your partners and consumers down the value chain.

Food Safety

Food contact material approved grading process through compliance of machine parts

Hygienic Design

Built-in CIP (cleaning-in-place) for the hard-to-clean parts within the grading setup, saving production time.

Next Generation Egg Grading

Become a state-of-the-art grading station with SANOVO TECHNOLOGY GROUP GraderPro

Full Traceability

In today’s egg world food safety is an increasing demand by businesses but also by industry regulating entities. With your eggs graded and packed by the GraderPro you are able to provide valuable data from the farm to the end consumer.

Next Generation Egg Grading

Become a state-of-the-art grading station with SANOVO TECHNOLOGY GROUP GraderPro

Food Safety

The traceability of every individual egg is one aspect of fundamental food safety standards. In addition to that, we make sure that the parts built into our equipment is food contact material approved. We want to make sure that your operation is according to international food safety standards. Read more about this matter in our declaration of compliance document on our website.

Next Generation Egg Grading

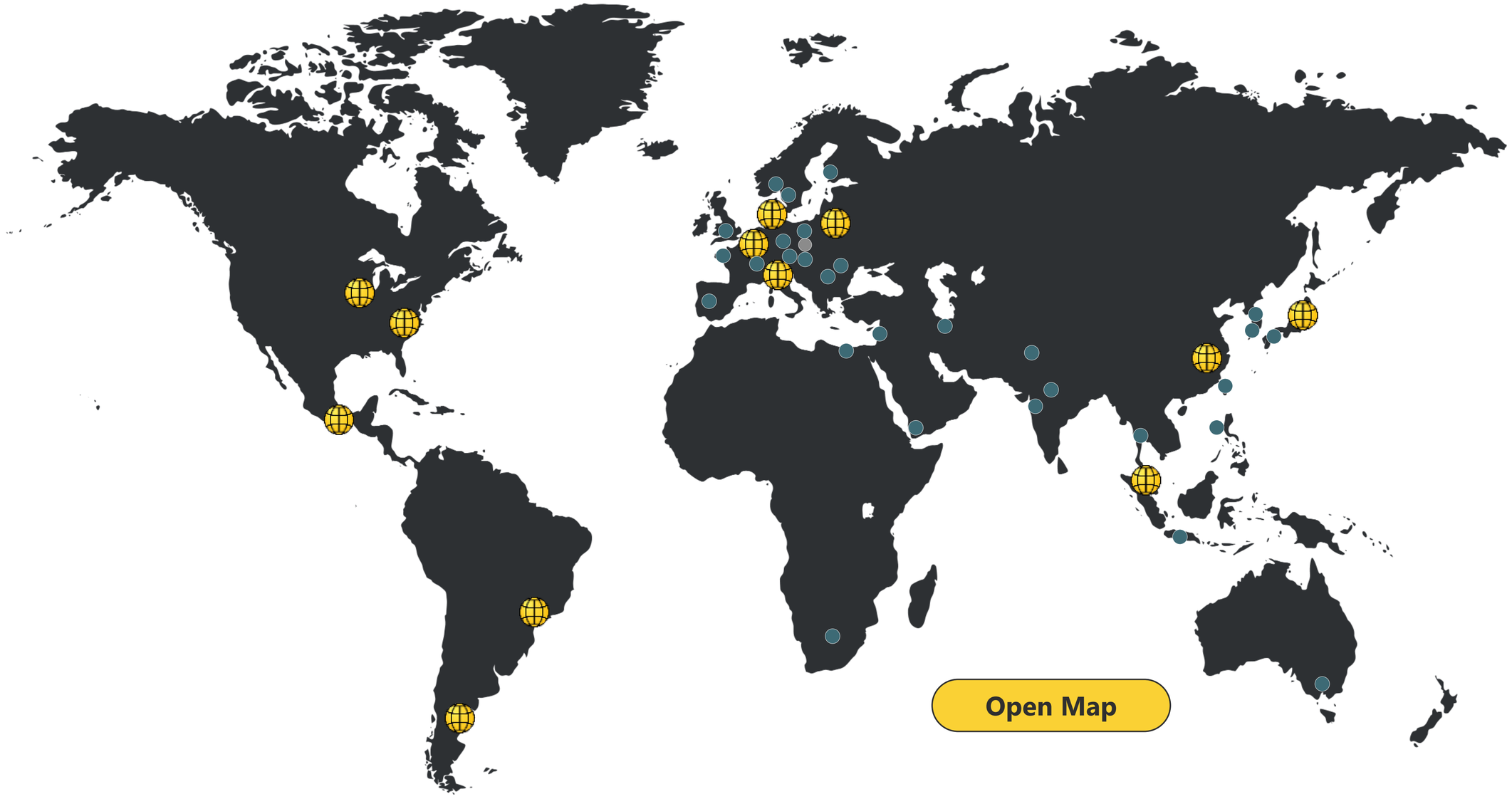
Become a state-of-the-art packing station with SANOVO TECHNOLOGY GROUP GraderPro

Hygienic Design

The cleaning of machines take time. That’s why we focused on this aspect specifically with the GraderPro and enabled it for CIP integration. That goes for the accumulator, infeed, removal gates, crack detectors, weighing scales, inserter, and main track. As result there is a significant cost reduction through saving manpower. In addition, the water is reused, which is saving energy cost.

Contact Your Specialist

Personal relations are key to us.



Open Map

Thank You
SANOVO
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WWW.SANOVOGROUP.COM