STAALKAT ALPHA GRADER SERIES
Performance you can depend on

The STAALKAT Alpha is a robust and reliable egg grading and packing system designed for egg producers that require no nonsense piece of machinery with all hygiene features nowadays available on the market. Modular in its construction and suitable for the medium size capacity range, the Alpha is ready for the future: offering flexibility for our customers and today’s markets.

The flexibility of the Alpha allows the graders to be equipped with an accumulator or a loader in order to create in-line or off-line egg grader. Also combinations of accumulator and loader are possible, even upgrading your Alpha from a 70 to a 100 or 125 model is possible!

The STAALKAT Alpha configuration can include an egg washer and dryer (and cooler) if you need to have your eggs washed. Depending on your needs the Alpha can be equipped with a digital display, all depending on your wishes. All STAALKAT detection systems have eliminated moving plastic parts as pulp tray. The loaders are known for both new and used plastic as pulp tray. The loaders are able to handle any type of dirty eggs or without IRUS semi-automatic candling system, it can be installed after the washer to reject leakers before traveling under the high velocity air dryer reducing the risk of contaminating clean, first quality eggs or after the drier in tandem with the dirt detector. Rejected leakers will be dropped into a bin. The system is making use of laser light technology placed underneath and away from the egg flow. False rejects are minimized and shiny wet surfaces do not influence the detection rate.

Food safety, hygienic design and user-friendly machines are an absolute must in today’s market and the Alpha allows all of the machine operators to see each other maximizing communication, efficiency and minimizing labour requirements. Large overhead monitors give each packer reservoir allows the operator to take a final look at the eggs before packing and carton closing. The system identifies small to large spots of blood. Detected blood eggs can be programmed to be ejected out of the egg carrier chain at the end of the grader or sent to any lane. The whole system is placed at the egg carrier chain in order to make it very accessible and easy cleanable. Intelligent software recognizes the difference between brown or white eggs and adjusts the parameters automatically.

The modular and flexible design gives you the possibilities to set up and configure the packing lanes in ways to match the desired logistic flow. Straight forward or reversed configuration are possible, this design reduces the overall machine foot print and maximizes the packers flexibility and output. The overall low design of the Alpha allows all of the machine operators to see each other maximizing communication, efficiency and minimizing labour requirements. Large overhead monitors give instant information for operators to react upon, therefore maximizing operational production.

The graded eggs are transported gently by egg carriers towards the detachable reservoirs where packers individually orientate and lower gently the egg into egg-packings. Each packer reservoir allows the operator to take a final look at the eggs before packing and carton closing. Egg packing can be automatically denested or by means of a manual denester fed to the packing lane. Egg-packings can by choice be closed automatically or manually by hand, all depending on your wishes.

The STAALKAT Alpha design is based on the global experience STAALKAT has gained since 1956. The Alpha is a mutual development together with the experience of our sister company SANOVO who has all the expertise in the harsh cleaning requirements of the egg processing industry.
Layout configurations

The following models are available:

**ALPHA 70 (4-6 lanes)** 25,000 egg / hour
**ALPHA 100 (6-8 lanes)** 36,000 egg / hour
**ALPHA 125 (8-10 lanes)** 45,000 egg / hour

![Diagram of layout configurations]

1. Accumulator (in-line)
2. Optiloader (off-line)
3. Roller cleaning system
4. UVC disinfection section
5. Leaker / dirt detection
6. Candling / RUS
7. Weight / crack detection
8. Blood detection system
9. Machine frame
10. Off-grade exit
11. Closers
12. Traystacker
13. Packing lanes
14. Denester
15. Drop gate blood

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