

Faster and more adaptable than ever

Certiwrap Elite offers the highest speeds, easiest changeovers and intuitive controls all backed by KLIKLOK's famous reputation for longevity and utter reliability. The handling capabilities make it perfect for delicate high-risk products, including dairy, and of course it's been designed for ultimate hygiene including low or high pressure wash-down.

In terms of efficiency it's hard to beat, using less electricity and air and being servo driven by design means it won't run out of puff like pneumatic machines.

Setting the standards

KLIKLOK is committed to a future of sustainable packaging solutions, reducing wastage and weight of packaging, whilst improving productivity and cost effectiveness.

Certiwrap Elite uses Festo pneumatics – incorporating the latest low air usage technology and incorporates multi-axis servo controls to suspend motion on parts of the machine that are not in use, saving both energy and cost.

Perhaps the most valuable feature, particularly for multi-national brand owners with production in different countries, is the ability to handle 200gsm lightweight, recyclable carton board. The Certiwrap Elite's rotary feeder can comfortably and efficiently handle this thin material at high speeds.

Engineering that's built to last

Built with a robust and fully welded stainless steel frame, the Certiwrap Elite's modular design concept and servo driven infeed enable a variety of integrated automatic product loading options – scrolls, 'Smart belt' timing and phasing unit, or side chains.

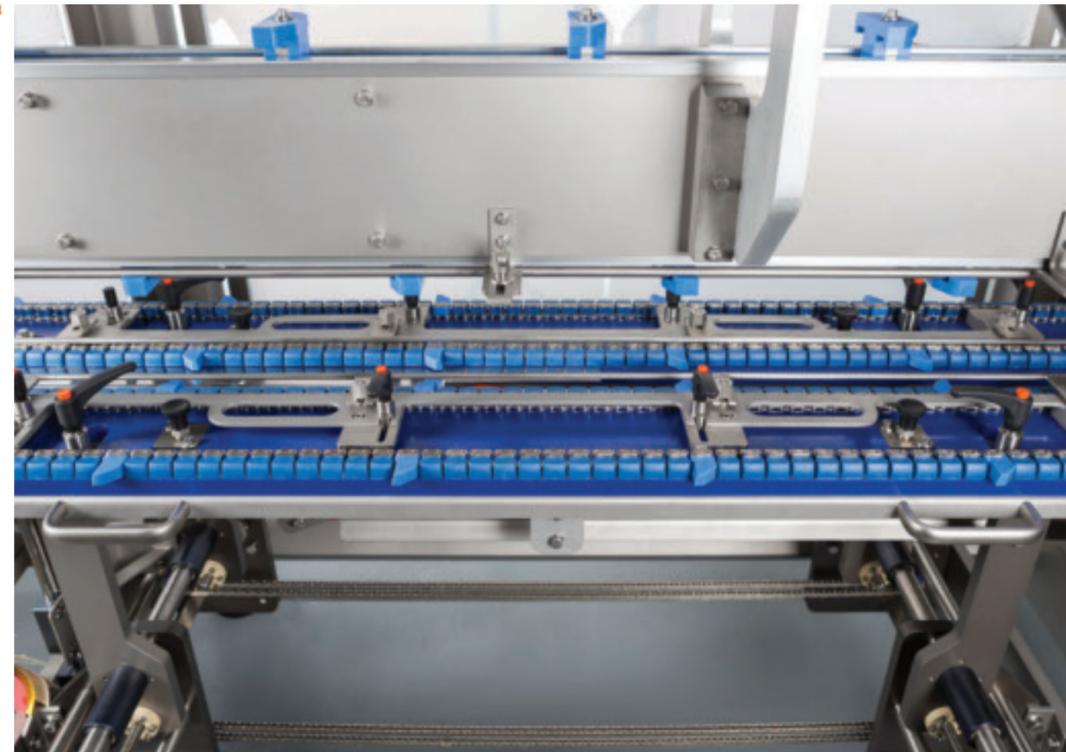
With an icon-based colour touch screen, the Certiwrap Elite offers full 'on the run' servo adjustment, machine diagnostics and shift performance data, as well as accuracy in glue control and application.

And for usability it boasts clear machine viewing and improved access, with 'ambidextrous' operator capability from both sides.

KLIKLOK

KLIKLOK Certiwrap Elite

Below
4 A section of the Certiwrap Elite side chain mechanism



Pioneering
Engineering

Certiwrap Elite Wraparound Cartoner

Engineered for efficiency and sustainability

KLIKLOK is a business that was born out of game changing innovation. We pioneered glueless carton forming over 65 years ago – a golden moment you might say, a concept rooted in sustainable thinking years ahead of its time. It's that same pioneering thinking that has gone into developing the Certiwrap Elite, the very latest in our wraparound cartoning range of machines.

The Certiwrap range is KLIKLOK's wraparound cartoning solution built to handle a wide variety of products including ready-meal trays, tubs, bottles, bowls and other rigid containers either individually or in multi-packs, including special options to handle stacked products at speeds up to 300 cartons per minute, depending on flight pitch.

The latest addition to the wraparound range is the Certiwrap Elite. Engineered as an evolution of previous Certiwrap models with a strong emphasis on design, build and functionality to accommodate the variation of products so prevalent in today's prepared foods industry.

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Customer focused development

The design and engineering of Certiwrap Elite is the result of working with our customers to establish their requirements. In a nutshell, they wanted:

Open design Elite has universal left and right walk in open design for excellent access.

Barrier type guarding Elite guarding has flat polycarbonate panels that comply with Total Preventative Maintenance (TPM) requirements.

Adaptability Elite offers a range of infeed options to suit product characteristics and to accommodate the growing variation in pack formats.

Quick size change Elite has easy, repeatable, rapid size change in less than 10 minutes.

Remote technical assistance Elite incorporates an Ethernet based control system, enabling connection to factory networks and remotely via VPN to KLIKLOK for technical assistance.

Modular design Modules designed to control and handle complex carton shapes and styles, for example 'watch-strap' sleeves, product retention features, and gusset packs.

Production efficiency Elite's icon-based colour touch screen provides management information on shift performance, diagnostics, production output, service scheduling – with optional digital manuals and operator training videos.

Versatility Elite offers alternative flight pitch options for higher speeds, depending on pack size.

Hygiene and Sanitation Elite is rated at IP65 to cater for today's demanding factory wash-down requirements.

We have delivered these and more. And of course, considering Certiwrap Elite as a 'whole life' purchase can help customers in achieving their sustainability goals when taking into account resource efficiencies, reduced wastage, use of energy and ability to handle recycled board.

World class manufacturing as standard KLIKLOK adopts the standard of World Class Manufacturing. This is a process-driven approach that implements the following philosophies and techniques:

- Make-to-order
- Streamlined flow
- Doing it right the first time
- Total Preventive Maintenance
- Quick changeover
- Zero defects
- Variability reduction
- Multi-skilled employees
- Visual signalling

End to end service

As with every KLIKLOK machine, Certiwrap Elite is backed by KLIKLOK's end to end service which includes online training, 24/7 service and spares along with a worldwide network of agents.

Total Preventative Maintenance (TPM)

TPM is a system of maintaining and improving the integrity of production and quality systems through the machines, equipments, processes and employees that add business value to the organisation.

TPM focuses on keeping all equipment in top working condition to avoid breakdowns and delays in the manufacturing process.

Certiwrap Elite has been designed and built in accordance with these standards:

- Open frame
- Clear panels to view chains/belts
- Gauges to show min/max operating parameters
- Repeatable, adjustable settings using dials and scales

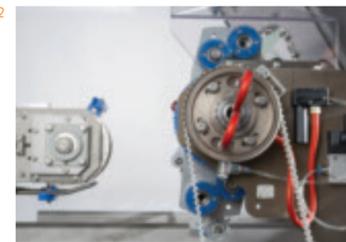
Design consistency

Certiwrap Elite is programmed to meet packaging machinery industry standard PackML Version 3. The primary objective of PackML is to bring a common "look and feel" and operational consistency to all machines that make up a Packing Line.

PackML provides:

- Standard defined machine states and operational flow
- Overall Equipment Effectiveness (OEE) data
- Root Cause Analysis (RCA) data
- Flexible recipe schemes and common SCADA or MES inputs

Below
1 Overhead conveyor
2 Feeder drive 3 View of the side running chains



Below
5 Height adjustment for scrolls 6 View through hopper 7 Scroll infeed



Right
8 View of the side chain adjustment 9 Vacuum arms and hold-down bars 10 Servo drives

Certiwrap Elite standard features:

- Stainless steel frame
- Patented rotary carton feeder
- 3m (10ft) product infeed conveyor
- Lubrication free components, bearings and chains
- Fully automatic operation
- Comprehensive built-in machine diagnostics
- Multi axis servo driven machine
- Hot-melt glue or lock closure System
- Interactive colour touch screen
- Powered horizontal hopper
- Quick size change
- CE Mark

Certiwrap Elite optional features:

- Integrated 'smart belt' infeed
- Integrated 'scroll' infeed
- 'Tall products' version
- Hand pump or automatic lubrication
- Alternative flight lengths
- Alternative PLC systems

Construction

Stainless steel frame and shafts. Chains, pulleys and sprockets are nickel-plated. Clear polycarbonate guards. Other fabricated components are generally nickel-plated or anodized, or made of composite materials.

Operating Requirements

- 400V 3PH 50HZ neutral and earth
- 25KW (50A) max, nominal 15 KW
- Elite conforms to Machinery Directive 2006/42/EEC

Air consumption

100 litres/min @ 4 bar

Shipping weight

Approx 2000kg on pallet (depending on infeed)

Machine Speed

Up to 200 cpm (higher speeds available depending on flight pitch)

Actual speed depends upon pitch, product characteristics, carton size, style and closure method

Size range

Sleeve size range:	12 Inch flight machine	
Sleeve size (blank)	Min	Max
Length	65mm	270mm
Width	200mm	570mm

Product size range:	12 Inch flight machine	
Product size	Min	Max
Length	65mm	270mm
Width	45mm	200mm
Depth	20mm	127mm

Machine layout

