Hatching quality chicks **on time**
demands skill, experience, dedication
...and quality equipment from LINCO
The company...
LINCO has been working in the Poultry business since 1944. In 1998 it was decided to expand the business to include hatchery equipment, - this decision was implemented by the take-over of the former Danish company Funki Set & Hatch.

Committed to the hatchery industry...
Harry Sorensen has been working in the hatchery business since the age of 18, and when LINCO took over the company in 1998, he was appointed to be the MD of LINCO Set & Hatch A/S.

“We are committed to supply quality and ensure outstanding performance”
“We want successful customers, - their success is our future”
“We offer profit to our customers, - it demands quality to produce quality chicks”
“We don’t waste time on patents, - continued development pays better off”
“We offer uniform chicks . . and uniform results”
“Our products can be copied, - but not our ideas”

... “Try what LINCO can do for you ... !!!!
The airflow pattern in a multi-stage setter

The airflow pattern in a single-stage setter
Setter Mk 1
Multi-stage

The Mk 1 setter is used primarily for multi-stage incubation, but the short versions can also handle single-stage.

Uniform temperature by unique ventilation
The wind tunnel system is the most efficient way to ensure uniform ventilation, and a very uniform temperature is obtained by always placing the older eggs under the fans, thus exposing them to increased level of ventilation.

Maximum hygiene
The use of filtered (Reverse Osmosis) water ensures that bacteria are not added to the humidity system, a problem that exists with traditional disc humidifiers.

Low maintenance
Trolleys and turning system are new constructed with Teflon bearings and without use of electric components – maintenance is therefore reduced to a minimum.

Divided in zones
The bigger setters are divided in individual controlled zones to ensure maximum temperature control for all eggs.

The modular construction of the LINCO setter allows making machines for almost any capacity required. Doors can be placed in the side or in the end of the cabinet, giving endless flexibility in the design.

Minimum operation cost
The use of propeller fans in the LINCO machines ensures the electric consumption is reduced by more than 50% compared to alternative fan systems.

Setter Mk 2
Single-stage

Real single-stage incubation demands a special hardware design – ultimate results in single-stage incubation are not obtained by using machines designed for multi-stage. The need for heating, cooling and ventilation is much bigger and the design must be capable of providing the necessary conditions.

Heating/cooling in every trolley
Mk 2 setter trolleys have a heating/cooling element in every trolley. This ensures that the necessary cooling capacity is always present.

Short heat-up time
By real single-stage incubation all the eggs must be heated up in less than 8 hours to ensure a short and uniform hatch. 3 weeks later. The LINCO Mk 2 setter can heat up 120,000 eggs from cold store to incubation temperature in less than 7 hours.

Uniform temperature
Constant circulation of the water among all the trolleys in the setter ensures a very accurate temperature – maximum deviation of 0.3°F throughout the cabinet and without hot/cold spots.

No overheating
The cooling element in the middle of every trolley ensures that the produced heat is removed before it can influence the eggs in the next trolley.

Labour saving
With LINCO real single-stage setters there is no need for weekly rotations of the trolleys.

Low investment cost
Reductions in size of electric cables, switch-boards, stand-by generators compensates the slightly higher price of quality equipment.

Each single-stage setter trolley has its own heating/cooling element.

View of turning system.

No suspended ceiling and rails in floor for easy cleaning.

Setting of eggs.
Hatcher Mk 2

When a job is easy, - it will be done well!
The LINCO hatcher is designed with this in mind.

Efficient ventilation
The fans are designed to ensure maximum ventilation at low energy cost, - without any V-belt construction.

Stainless steel panels
The internal surface of stainless steel is highly durable and ensures a lifetime that is more than double as long as that of other brands. The stainless steel surface allows the use of aggressive disinfection chemicals.

Built-in cooling system
A special LINCO design makes it possible to get increased efficiency of the cooling system by placing the element inside the cabinet panels, - thus making washing far easier.

No condensation of water
Having cooling in the entire panel surface, condensation of water inside the hatcher is avoided, - and the dry floor does not promote bacteria growth.

Increased performance on reduced space
The special design of the LINCO hatcher makes it less space demanding than traditional equipment.

Compatible with other brands
The modular construction allows the LINCO hatcher to hold trays of most other brands of incubators, - a way of increasing the capacity without extending the hatcher rooms.
Control System

Set & Hatch comes with microprocessor control that are reliable, user-friendly and gives you a complete overview of the machine’s operation.

On the large screen of the microprocessor you can see eleven different sets of data about the machine’s performance.

Unique temperature control
The system is so accurate that the inside climate varies less than 0.3°F and 1% relative humidity. This is one of the reasons for the reduced power consumption and the impressive hatching results.

Better labour planning
Eggs can be set when your staff have time, regardless of the incubation start-up time. A special feature allows you to use a setter as an egg store.

Eggs will be kept under perfect storage conditions until the desired (pre-set) incubation start-up time is reached. The automatic setter program allows you to perform the incubation in 20 adjustable steps, giving optimum conditions to the eggs.

Recording of data
Performance data for the last 30 days are stored and can be displayed in a graph design when required, - for further processing and storing these data can be loaded into a central computer.

Not sensitive to power fluctuations
Fluctuations in power supply of up to ±10% will not affect the machine’s performance. A maintenance free internal power back-up ensures that data vital to the system’s operation are not lost in case of total power failure.

Maximum data safety
To change the data settings a PIN-code has to be loaded. This ensures that only authorized personal can gain access to your Set & Hatch control program.

Prepared for CO₂ control
The Set & Hatch controls goes with CO₂ monitoring / control (optional extras).
Set & Hatch
- the labour saving tray system

The Set & Hatch tray is designed for easy and safe handling of eggs from farm to hatcher, - transfer is done just by lifting the insert frame away.

No cracked eggs
The easy transfer assures that no eggs are cracked and contaminated during transfer, manual transfer time is reduced by 75% compared to other systems.

Easy to handle
The weight of only 7 kg (with eggs) and handles in both ends ensures that transfer can be done by both male and female workers.

Data
Measurements: 490x540x105 mm
Weight (empty): 1.7 kg
Capacity: 90 hen eggs,
72 duck/turkey eggs,
36 goose eggs,
132 pheasant/guinea fowl eggs,
195 quail/red-leg eggs.

...and the “Classic” tray

The Classic tray is designed for hatcheries operating with higher degree of automation and/or in-ovo vaccination systems.

Designed for big eggs
The LINCO trays give approx. 2 mm more space for every egg than other brands of trays – with an egg space of 50x50 mm the Classic tray can take eggs up to the size of 90 g.

On-farm traying
Filled Classic trays can be stacked and this makes it unique for collecting eggs directly in the Parent Stock farms.

Data
Measurements: 490x540x83 mm
Weight (empty): 1.2 kg
Capacity: 90 hen eggs
Setter Trolleys

The setter trolleys are made in galvanized steel. The very open construction makes it easy to clean and to handle.

**Maintenance free**
All moving parts are suspended in maintenance free Teflon bearings, and the trays automatically move to horizontal position when disconnected from the turning system.

**Labour saving**
The strong construction makes it possible to transport filled trolleys on forklifts, this saves time and labour in the big hatcheries, and the eggs are not exposed to vibrations during transport.

**Data**
- Measurements: 119x118x205 cm (LxWxH)
- Height to the upper tray: 172 cm
- Weight (empty): 120 kg

Turning system

LINCO setters are constructed with a water hydraulic / mechanical turning system, - a simple but very reliable design with plenty of benefits.

**No maintenance**
The use of Teflon bearings reduces maintenance to an absolute minimum, and the special designed water-hydraulic cylinder is proved to be extremely reliable

**No electric components**
The turning system has no electric components placed inside the cabinet, - this ensures easy and effective washing.
Humidity system

Humidity is added by high-pressure spray nozzles, utilising the same pump as the turning system.

**Cold steam**
Working at a pressure of 70 bars, the nozzles deliver a very fine mist that is easily absorbed by the warm air.

**Bacteria free environment**
As the system does not operate with compressed air, the biggest risk of contamination is eliminated, and it is recommended to operate with purified water.

**Low operation cost**
The use of high-pressure spray reduces the electric consumption and the maintenance cost of the machines considerably.

Ventilation

The fans operate 24 hours a day, 90-95% of the electricity consumption will therefore be used for ventilation, to avoid high electricity bills it is necessary to choose the best ventilation systems.

**High efficiency of fans**
The propeller fans used in LINCO machines utilize 80% of the electricity to move the air, contrary to paddle fans that utilize only 15%, this is why LINCO machines use less than half of the electricity used in other brands.

**Strong motors**
LINCO use motors specially designed to work in humid environment - this ensures trouble-free operation in connection with heavy washing.

Cabinets

Polyurethane injected panels ensure quality on the highest level, a technology unique for LINCO incubators.

**Stainless Steel - Cabinets that last**
The use of stainless steel, plastic coated galvanized steel and polyurethane technology ensures LINCO cabinets a lifetime that is 2-3 times longer than ordinary manufactured cabinets.

**Maximum insulation**
50 mm thick panels provide an insulation value (K-value) of 0.37, and plastic assembly rails at the edges ensure that heat is not transferred through the cabinet wall.

**Bio-security design**
Panels are assembled with plastic lock-bars that seal the cabinet, in this way there is no space for bacteria to hide as known with the H-profile assembly system.
Uniform conditions
Uniform chick quality
Real single-stage