



Floor chain feeding system

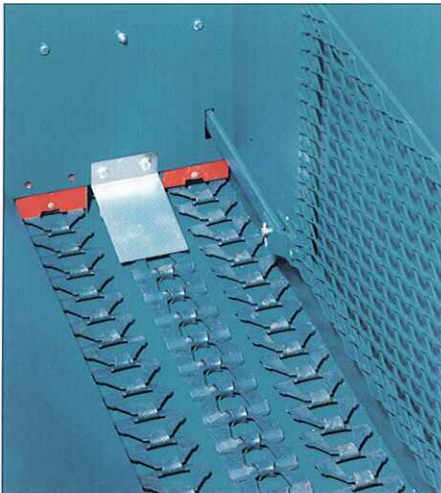


LAE-Anlagenbau

Highest standards of quality



feed hopper with individual drive units



inside view of feed hopper

Double experience is an essential constituent of this feeding system. For one, there's a wealth of know-how acquired over long years of practical work with floor regime feeding circuits; for another, it's **LAE's** abundant experience with all facets of poultry farming. And it was this all-comprehensive body of knowledge which has made the **LAE** floor system feeding circuit to become the ideal, economical solution to feeding breeder birds in floor management systems. In the phase of ad lib feeding, the in-trough chain moves forward at a speed of 6 meters (20 ft) per minute. Such a slow chain speed materially reduces the danger of chicks becoming hurt. When restricted feeding is practiced, feed

distribution is more rapid with a chain speed of 18 m or 36 m (60 ft or 108ft) per minute to ensure that all birds in the house are offered feed of identical composition.

Each and every system detail is designed to accurately meet the bird's natural requirements.

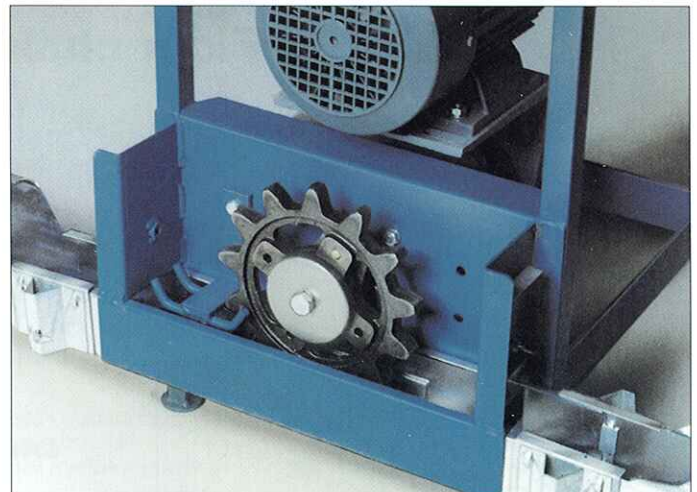
Special drive units with stepless speld control extend the operation possibilities of the system.

Know-how and good workmanship have afforded **LAE** equipment a lead which simply can't be overlooked. Plus the fact that a comprehensive line of practical accessories opens the way to match a management system, oriented at the bird's natural needs, with much-needed operating efficiency at farm level.

- Troughs easily adjusted to required height: troughs supported on stands of high-grade steel, hot-dip galvanized finish or with corrosion proof epoxy powder-coating
- as an alternative option: suspended troughs adjustable in height by a centrally controlled winch system (this option requiring a tension wire or eating mesh placed above the troughs);
- Feed hoppers and drive stations on variable legs.
- Built-in rotary feed cleaner for each run. Litter and manure particles are positively removed from troughs
- As a useful extra for the LAE floor chain feeding system, our continuous electronic feed scale is recommended as an integral system component intalled in the feed supply line to the hopper. With a deviation tolerance of 0,5 % max., this scale automatically weighs the preset quantity and registers the cumulative feed consumption,



feed machine



individual drive station (shown here without cover panel)

- Production computer with possibilities for control of feed distribution, light program and water supply.

Heart of the **LAE** floor chain feeding system is a feed hopper of 300 kg (660 lbs.) capacity from which the feed chain is supplied. An extremely sturdy, solid construction, the hopper can easily be upgraded with a top attachment to hold 1500 kg (3,300 lbs) of feed. The hopper is designed to simultaneously supply 1 to 4 feeding circuits. Because individual drive units are arranged independently from the hopper, choosing the direction of travel for each feed chain is at your personal discretion to suit your specific needs. For **LAE** floor chain feeding system, this feature offers greatest possible flexibility with respect to the size of each particular poultry house, and also gives due consideration to such factors as arrangement of laying nests and slats.

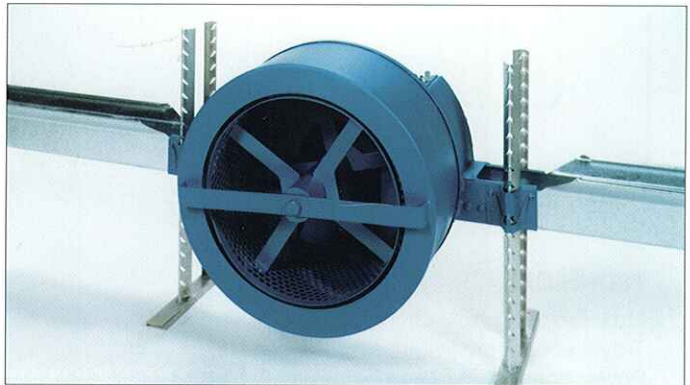
Modular construction is the design concept underlying the **LAE** floor chain feeding system. In practical terms, this means that modifications, becoming necessary at a later date, are readily implemented without any problems. It's a system that always remains variable, flexible and expandable.

The agitating unit inside the hopper guarantees uniform feed flow to the chains at all times. A simple slide is provided for convenient change of in-trough feed levels. In fact, there's practically nothing to adjusting it – not even with the system running. Two chain tighteners each for one circuit guarantee optimum lead tension of the feed chains.

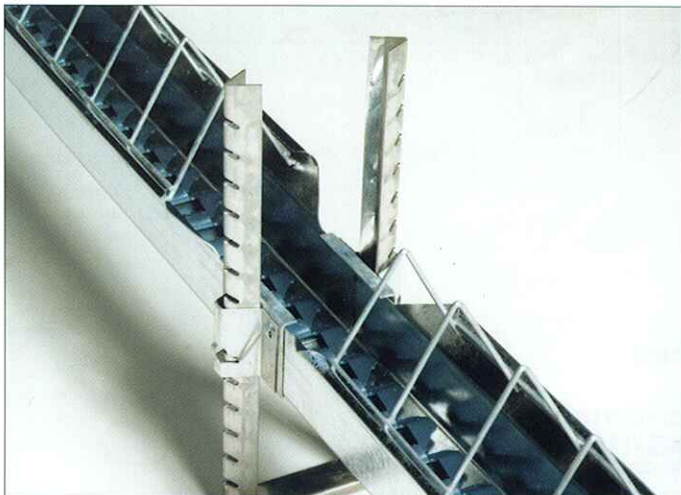
Technical refinements to the last detail are the distinguishing feature of the **LAE** floor chain feeding system, making the system a superior alternative to conventional feeding equipment.



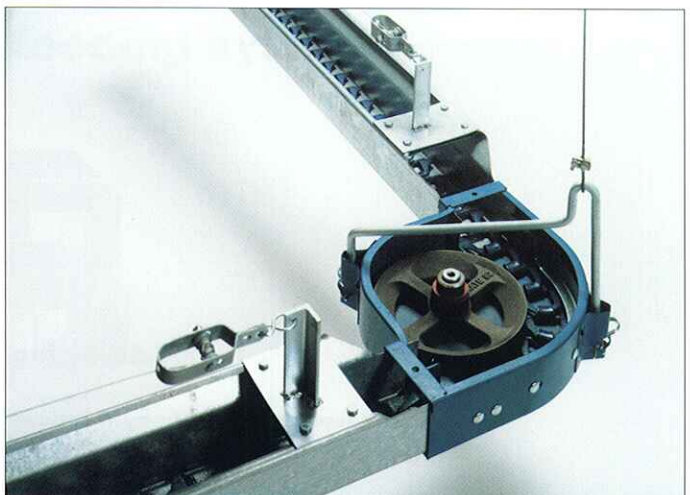
feed machine with feed scale



rotary screen feed cleaner



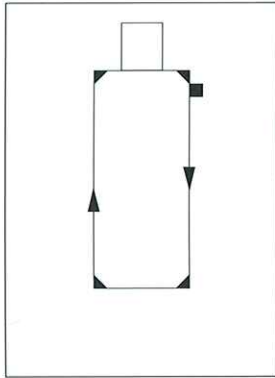
trough coupling with stand support



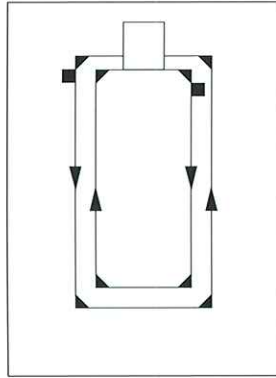
corner element

Examples showing various trough circuit options

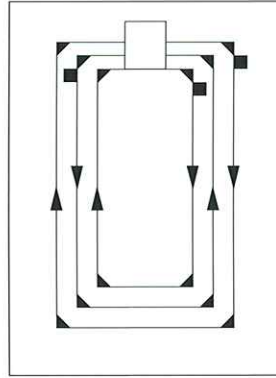
A. Chain feeding systems with individual drive unit each circuit, max. 4 drive units each feed hopper



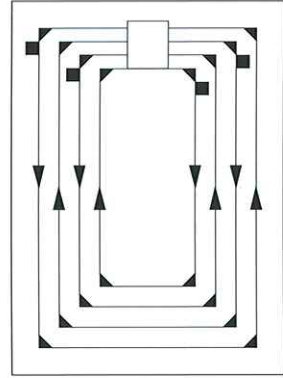
1 drive unit



2 drive units



3 drive units

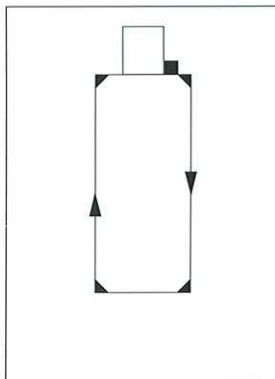


4 drive units

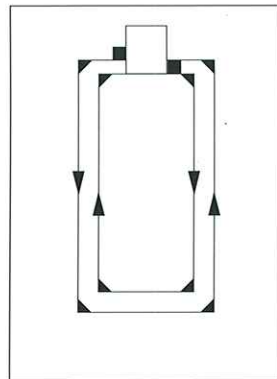
TECHNICAL SPECIFICATIONS:

Max. length of feed chain:	320 m (984 f.)
Travel speed, chain:	6, 18, 36 m/min. (20, 60 or 120 ft.), respectively
Power connect, motor:	0,5 to 2,2 kW, 400 VAC
Hopper capacity:	approx. 300 kg - 500 kg (660 lbs. - 1000 lbs.)

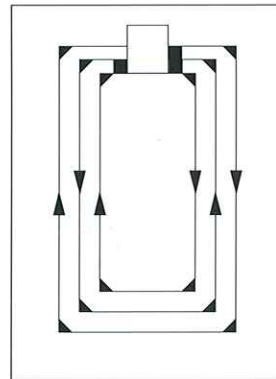
B. Chain feeding machines with 1 or 2 drive units for max. 4 circuits



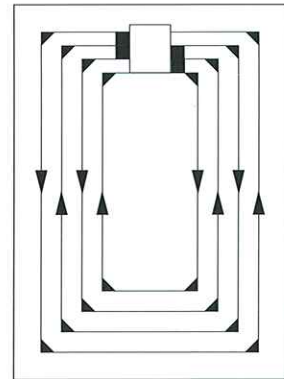
1 drive unit



1 drive unit



2 drive units



2 drive units

TECHNICAL SPECIFICATIONS:

Max. length of feed chain:	320 m (984 f.)
Travel speed, chain:	6, 12, 18, 36 m/min. respectively
Power connect, motor:	0,55 to 2,2 kW, 400 VAC
Hopper capacity:	approx. 330 kg - 400 kg (660 lbs. - 880 lbs.)

Right to make changes without prior notice reserved



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