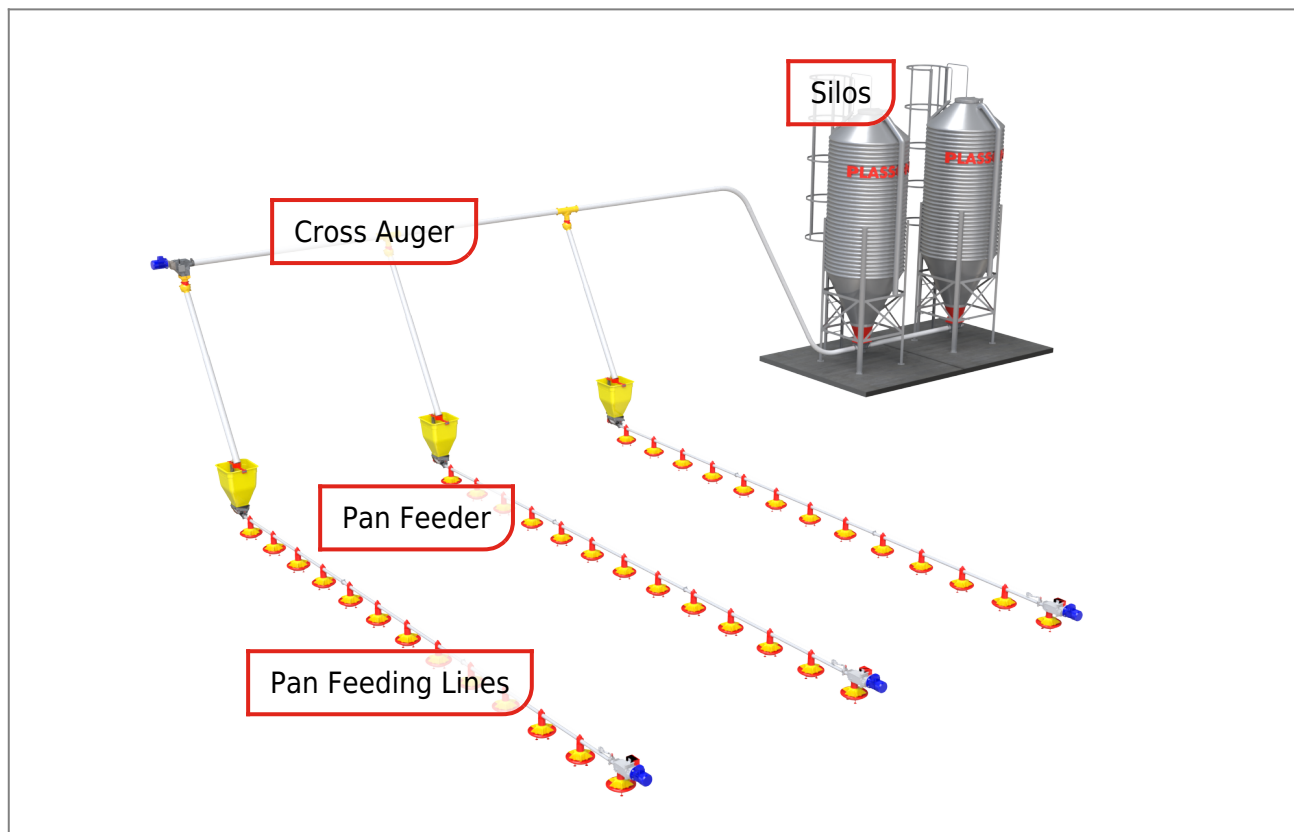


PAN FEEDER SYSTEM

<https://solutions.plassonlivestock.com/system/pan-feeder/>



OVERVIEW

Plasson's advanced pan feeding system offers a complete and easy to operate solution for broiler production. It includes a number of components which together form a high-performance solution that delivers exceptional results. A wide range of feeders are designed to fulfill all of the birds' needs throughout the growth cycle, from day-old chicks to marketing stage.

- Durable system built to last
- A range of pans and options to suit all requirements for broiler production
- Open pans allow ideal access to feed from day one
- Thick galvanized steel pipes to ensure longevity
- Easy installation and operation
- Superior results in terms of FCR, Weight gain and more



SILOS

A full range of fiberglass and galvanized steel silos are available in various sizes and volumes designed to meet the project's requirement

1 Silo

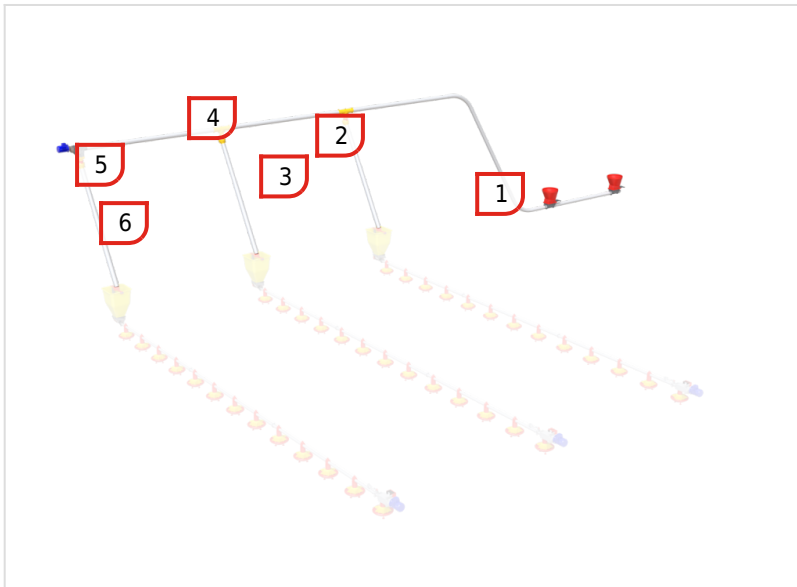
Silos are chosen based on parameters such as required number of storage days, feed truck arrival frequency, filling method, construction material, and silo volume and diameter. Load cells and a control box are recommended additions, allowing for greater control of feed levels and animal consumption

2 Filling Method

Available as pneumatic (shown) and top-filled

3 Silo Ladder

Silos are supplied standard with a ladder and safety protection bars to allow for safe maintenance



CROSS AUGER

Allows for efficient feed transport from any silo to the feeding lines inside the house. The cross auger is available in diameters of 75, 90, and 100 mm. It can easily connect between several silos, and multiple lines can be directed into the house



1 Silo Boot

Wide range of plastic adapters and galvanized boots connect between silos and direct feed into the chicken house

2 PVC Pipe Sections and Curves

Made from durable PVC and available in diameters of 75, 90, and 100 mm. The pipe sections and curves lead the spiral auger and feed from the silo towards the feeding lines inside the house



3 Spiral Auger

Steel spiral auger transports feed inside the cross auger line



4 T-drop with Spherical Joint

Plasson's unique wide-angled T-drops ensure ideal feed flow to the hoppers and minimize the chances of feed blockage. The special T-shaped design guarantees a hopper is completely full before feed proceeds to the next hopper in line, thus ensuring all feeding lines remain full



5 Control Unit

The drive unit includes a sturdy 1.0 HP motor with a safety micro-switch to automatically stop the motor and prevent burnout in case of a malfunction



6 Telescoping PVC Pipes

Directs feed from the T-drops to the hoppers and allows for raising of the feeding lines



PAN FEEDING LINES

Plasson's advanced pan feeding lines offer a complete and easy to operate solution for broiler production. The system is built to last and achieves superior results in terms of FCR and bird growth. Operating and maintaining the system is simple and fast.

1 Plastic Hopper

Made of durable semi-transparent plastic and able to hold up to 50 kg of feed. Galvanized hopper extension are available and allows for increased capacity of up to 100kg. The hopper includes a micro-switch or a proximity sensor which "calls for feed", thus guaranteeing the feed line is always full

2 Galvanized Distribution Pipe

With a wall thickness of 1.2 mm, the distribution pipe creates a sturdy and stable base for the feeding line and is built to last



3 Spiral Auger

Steel spiral auger transports feed inside the cross auger line



4 Pan Feeder

Plasson's pan feeders achieve superior results with regard to FCR and bird growth. This is due to the pan's unique design, with features such as easy accessibility to feed, a retaining lip to avoid feed loss, and good flooding position for day-old chicks



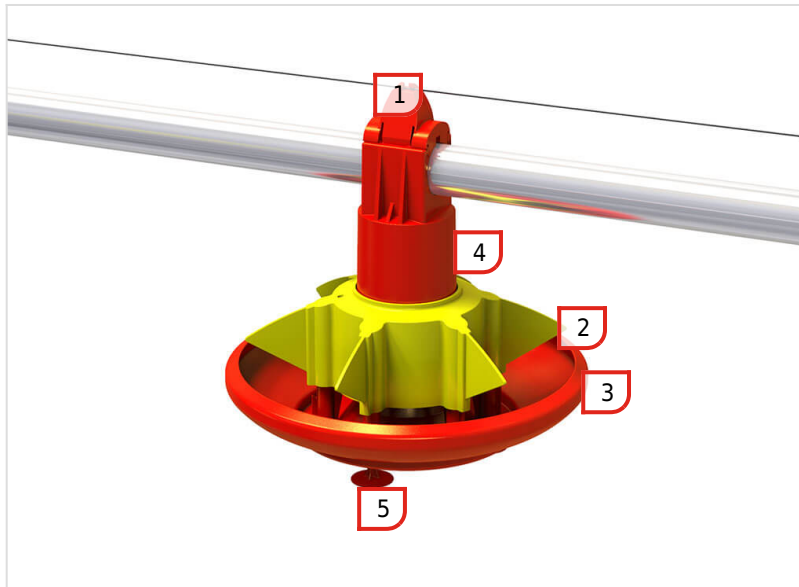
5 Control Pan and Motor

Installed at the end of each feeding line. Consists of a proximity sensor or micro-switch to trigger the 0.5, 0.75, or 1.0 HP motor.



6 Hopper Boot shaft

High resistance to rust. Bearing chamber is separated from the pipe. Sealed from water when cleaning the system. Better drainage of cleaning water. Easy maintenance with built in greasing nipple.



PAN FEEDER

1 Pan Locker

Secures the pan to the distribution pipe and holds the anti-rotation cable

2 Regulator

Allows for quick and easy adjustment of six feed levels and flood position in the pan feeder

3 Pan Body

A grill-less open pan which allows free access to feed from day one. The pan is made of top quality plastic to guarantee longevity. A retaining lip prevents spillage of feed, thus achieving the highest FCR levels possible

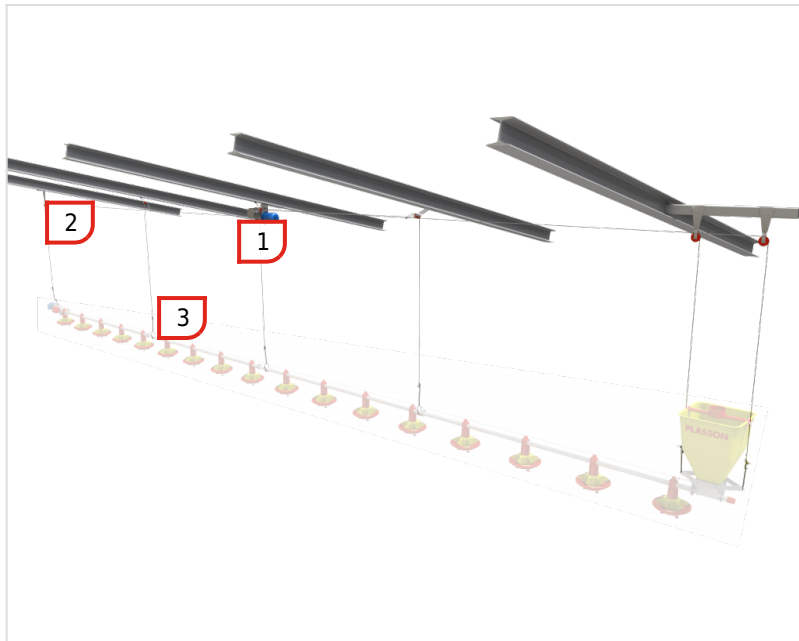
4 Cone



Installed inside the pan neck. Two cone types are available: Standard Cone and High Cone. The High Cone is recommended in longer feed lines, as it allows for less feed in the pan neck and thus quicker filling of all pans along the feeding line

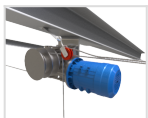
5 Pillars

Three pillars are used to keep the pan in flooding position. When the pan is lowered to the ground, the pillars push the regulator to its highest position. This enables the feed to fill the pan to the very top, thus allowing for optimal access to the feed



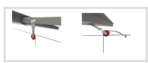
SUSPENSION

The suspension system enables raising the pan feeding lines in accordance with the birds' growth stage as well as ongoing tasks conducted inside the chicken house



1 Winch

Electric or manual winch is used to raise and lower the pan feeding line. Flat and angled winch supports are used to install the winch to the house structure



2 Pulleys

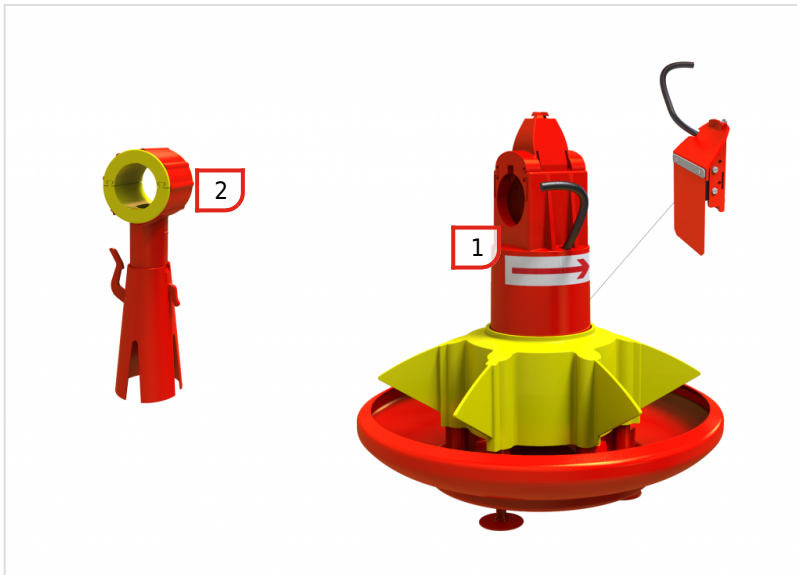
Guide the cable to the suspension points and are attached to the chicken house structure with a galvanized ceiling hook. The hopper and control pan are suspended with heavy-duty pulleys to carry the heavy weight of the feed and motor. This assists in keeping the feeding lines completely level



3 Stainless Steel Cables, Adjustors and Hanger

Used to suspend the feeding line and enable final height adjustment to allow for a perfectly leveled line and ideal height for birds to feed. Suspension is also available with 5mm nylon cords. Hanger made from galvanized steel. Designed to hold and support the distribution pipes

OPTIONS & ADD-ONS

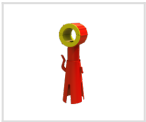


1 Intermediate Control Pan



The Intermediate Control Pan allows for supplying feed to only a section of the feeder line, for example during brooding. It can be installed anywhere along the feeder line, and is available in two configurations: micro-switch or proximity sensor. Installation is quick and effortless, and it can be easily dismantled and replaced by a standard feeder pan when not needed

2 Chick Start



Chick Start serves as an additional feeding point for day-old chicks, allowing them to easily access feed. When no longer needed, the Chick Start can be rotated to stop feed flowing from that point; alternatively, plugs can be installed to stop the feed flow.



CONTROL PANS

The pan is easily assembled and disconnected to the main body with a Toggle Latch.

The Control Pan body is strong and durable, made in one piece. Easy and quick assembly of the Connection Box to the Control Pan.

All excess food goes directly to the pan.

A toggle selector on the junction box enables to select if feed will reach Intermediate or Control Pan at the end of the line.