

## **MANUAL PERISCOPE FEED HEAD™**

### **Maximises Feed Broadcast Performance**

All aluminum and stainless steel construction and attention to detail means the lined stainless steel flex hose will last years. Eliminates ability for operators to kink or create tight radius bends that cause pellet abrasion, premature hose wear, and hose failure.

### **Optimised Air/Feed Flow for Best Broadcast Distances**

Design insures gentle feed broadcast hose radius/sweep bends needed to maximise air/feed broadcast velocities and maximise feed broadcast distances.

### **Versatile Feed Broadcast Coverage and Placement**

The rotating head assembly offers the ability to aim feed pellet broadcast drop anywhere over a 360-degree circle. Adjustable slide strut sets feed drop distance from blower.

### **Reduce Labour**

Self-supporting platform eliminates the problem of site setup of handheld feed broadcast hoses. An ideal operating platform from which to add Feed Extension Tube and Gull Wing

Deflector options. Eliminates the need for a second operator and allows single operator to set up and monitor while addressing other site farm husbandry tasks.

### **Bolt-on Construction**

The Periscope Feed Head™ option can be ordered at time of feeder purchase or ordered separately for easy on site installation.



The Manual Periscope Feed Head™ is a feed broadcast hose outlet attachment designed to maximise feed blower energy for best possible feed pellet broadcast distance and coverage. Often there is a tendency to simply force the handheld feed broadcast hose into a tight bend to clear site obstructions or redirect feed pellet drop to new locations within the pen, pond or raceway without repositioning the feed broadcaster. Tight hose bends cause feed abrasion resulting in rapid hose wear, hose breakage, and most importantly a decrease in feed broadcast distance and effective coverage. The Manual Periscope Feed Head™ is designed to insure best feed hose shape and positioning, and to address the tiring process of hand holding and moving an awkward feed broadcast hose, especially when additional attachments such as the Feed Extension Tube or Gull Wing Deflectors are in use. Offered in 4-inch (102mm) and 5-inch (127 mm) hose diameters, the Manual Periscope Feed Head™ mounts to the front face of any model S125 or larger AeroSpreader™ Dry Pellet Feed Broadcaster. This feed broadcast option utilizes the feed broadcaster's existing handheld lined stainless steel flex hose assembly. The feed head can rotate a full 360-degrees and the operator can adjust the top hose bend radius to set feed pellet trajectory.

The Manual Periscope Feed Head™ is our most versatile feed broadcaster option. It is ideally suited for vessel applications where the feed broadcast hose needs to clear a gunnel or handrail. Similarly, this broadcast hose option is also ideally suited for an ATV or pick-up truck positioned AeroSpreader™ where operators require a support assembly to either eliminate the need for a second operator to operate the feed broadcaster, or to address how best to support the feed broadcast hose assembly while in motion. When a Manual Periscope Feed Head™ is matched to an AeroSpreader™ feed broadcaster positioned at the junction of 4 pens, cages, or tanks, a single AeroSpreader™ Dry Pellet Feed Broadcaster will do the work of 4 air blower feeders.

## **POWER PERISCOPE FEED HEAD™**

### **Automatic Low Voltage Shut-off**

Eliminates full battery drain and premature end-of-life battery replacement by automatically turning off power to the video monitor and cameras at a best voltage level recharging point.

### **Battery Strength Indicator Lights**

Green, yellow and red LEDs provide immediate visual status of battery power levels.

### **Compact Size and Weight**

Enclosure profile and weight designed to provide easy operation in tight spaces.

### **Adjustable Monitoring Enclosure**

The large 15-inch colour LCD monitor screen fits within a sealed enclosure than may be easily turned for best view angle.

### **Removable Sun Visor**

Operator may chose to remove the latched sun visor from the face of the enclosure for wider monitor viewing when standing back from the monitor.

### **Large Colour View Screen**

Displays a large underwater camera image for easier feed viewing and decision making.

### **Reset Breakers**

Monitor and cameras protected with reset breakers to avoid use of tin foil – most often used as an immediate substitute for non-available inline fuses.

### **Connectivity**

Expand site versatility using wireless video interface and remote controller with access to 60 locations and 240 cameras.

### **Best-Feed Conversion**

Allows for easy camera connection at the cage, or at the junction of 4 cages, for immediate monitoring of fish feed behavior, feed delivery rates, and feed pellet drop location.

### **Lower Cable Costs**

Reduce or eliminate the need for long hardwire camera cabling by placing a video camera monitor on site with the field operator.

### **Camera Mobility**

Eliminates any infrastructure costs by moving a highly mobile camera and camera-monitoring platform anywhere on the farm site at a moments notice.

### **Versatility**

Camera cart and cameras ideal for on-the-spot monitoring of cables, anchors, buoys, nets and other structures around the site.



The Power Periscope Feed Head™ takes the best of the Manual Periscope Feed Head™ and adds a high torque 12-vdc motor with a chain and sprocket drive assembly fitted within a protective safety shield. Power for this drive assembly is supplied from the AeroSpreader™ feed broadcaster's onboard battery as part of the Honda® blower motor's electric start and charging system. The Power Periscope Feed Head™ option is an ideal addition for farm operators who wish to operate their AeroSpreader™ Dry Pellet Feed Broadcaster from a truck, trailer or ATV. In these feeder applications when matched with the optional remote cable controls for blower speed and feed gate controls, a driver controlled power switch placed on the same console assembly allows the Periscope Feed Head™ to be rotated and aimed for best feed pellet drop without leaving the driver seat. Especially useful when the Feed Extension Tube has been added for additional feed broadcast distance and where the farm site has any number site obstructions to be cleared or when wind and feed delivery sight lines change for the driver. Full control of the Periscope Feed Head™ gives the driver/operator the option to aim the feed broadcast outlet anywhere over the Periscope Feed Head™ 360-degrees of rotation. This power drive option improves the driver's ability to control the feed broadcast nozzle position while speeding up site feeding and feed hopper reload turn-around times by offering a quick means of driver control of the feed broadcast outlet nozzle, to tuck the outlet inboard of the truck for driving to and from your centralized feed storage facility and then to quickly aim and resume the feeding process when back on site.