

M-Hale *F5600* PLUS

FILM
BINDING
BALER



www.mchale.net

The Professional Choice

McHale

F5600 PLUS

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The McHale F5600 PLUS is fitted with a servo operated load sensing control valve, which makes the baling process fully automatic. The machine is also equipped with a 25 knife chopping unit and an in chamber film bale binding system.



STANDARD SPECIFICATION

- 2.1m Pick Up
- High Capacity Fusion Rotor
- 25 Knife Chopper Unit
- Knife Pressure Display
- Knife Position Sensor
- Drop Floor Unblocking System
- 18 Roller Bale Chamber
- Load Sensing Valve
- Automatic Tailgate Opening & Closing
- 50 mm Bale Chamber Bearings
- 1'-1/4" Chain on the Bale Chamber
- Automatic Progressive Greasing System
- High Performance Film Binding System
- Continuous Oiler System
- Expert Plus Control Box with Large Graphic Display
- 500/50 - 22.5 tyres
- Ability to use Film or Net Bale Binding



EXPERT PLUS CONTROL CONSOLE

- Large In-Cab Display
- Delivering Fully Automatic Operation

Film Binding Technology



Film on film technology refers to the application of film to the barrel of the bale in the bale chamber. The film binds the bale together which eliminates the need for string or net wrap. The film that binds the bale together forms a wrap layer and gives better film or plastic coverage on the largest surface of the bale.

The Advantages

1 Chamber Film Acts As A Wrapping Layer

The plastic which is added to the barrel of the bale to keep the bale together and also forms the individual wrapping layers adds value by placing more plastic on the largest surface of the bale.

2 Chamber Film Results In Better Shaped Bales

When plastic is applied to the barrel of the bale it can be stretched to approximately 20%. The stretch ratio is higher than what can be achieved with net wrap or twine and as a result the material is kept tighter, which ultimately results in better bale shape.

3 Chamber Film Delivers Higher Quality Silage

As the plastic is being stretched, at a high stretch ratio as it is being applied to the barrel of the bale, it expels more air than net wrap would and as a consequence results in better silage quality.

4 Chamber Film Makes Recycling Easier

As plastic is used to both bind the bale in the bale chamber and to wrap the bale, on feed out the farmer will be left with one form of waste. This reduces the time needed to feed the bale and avoids the unpleasant and time consuming job of separating the twine or net wrap from the plastic before the plastic is be recycled.

Patented Film Binding



In the development of the McHale F5600 Plus, McHale realised that changes in temperature and sun light could affect the chamber wrapping film, in that, as the day got hotter or cooler the film was either being overstretched or under stretched, and this in turn would cause reliability problems and result in inefficient film use.

As a result McHale developed a patented application system which adjusts the breaking force on the roll of plastic in-line with working conditions and allows for a continuously variable stretch, which can adjust to changes in the day automatically without the operator having to adjust any settings.

The McHale patent film application system ensures consistent film stretch, reliable film application, delivers optimum bale shape and bale density. Should an operator wish to use netwrap for hay or straw this can be done with a simple adjustment.

By using Film Binding Technology to bind the bale with film in the bale chamber, not only is the quality of the fodder improved due to the extra wrapping layer, more air being expelled and better bale shape but the convenience to the farmer for feeding out has also increased. Should a farmer be feeding out bales with a Bale Splitter and Net Wrap Retainer such as the McHale Rs4 then the production of film on film bales is even more efficient. When the bale is split, the operator does not have to worry about removing both net and plastic as there is only one form of material binding and covering the bale, which eliminates the time spent separating net from plastic.

PATENTED FILM APPLICATION



BALE FEEDING



Technical Specifications

EXPERT PLUS CONTROL BOX



The F5600 is controlled with an Expert Plus Control Box, which features a large graphic display; this allows the operator to monitor the baling process graphically from the control console. It also features;

- Automatic Tailgate Opening and Closing
- In Cab Net Adjustment
- In Cab Density Adjustment
- Knife Display
- Door Position Display
- Drop Floor Control
- Bale Kicker Sensor
- Lube Alarm
- Volume Control

FEATURES



Automatic Tailgate Operation

Once the bale is netted in the chamber, the tailgate of the baler automatically opens, allowing the high density bale to be ejected. Once the bale has passed over the bale kicker the tailgate automatically closes, allowing the operator to continue baling.



Selectable Knives

Selectable knives provides the operator with three options. They can choose to engage and chop with a bank of 12 knives or a bank of 13 knives. Should fine chopping be required the operator can choose to engage both knife banks, which will give a 25 knife chopper system - capable of delivering a theoretical chop length of 46 mm.

Dimensions & Weight

Length	4.05m
Width	2.58m
Height	2.45m
Weight	3850kg

Pick Up

Working width	2100mm
Tine Bars	5
Tine Spacing	70mm
Short Crop Guard	Standard
Crop Roller	Optional
Pick Up Lift	Hydraulic
Pick Up Guide Wheels	Standard

Chopper Unit

Number of Knives	25
Theoretical Chop Length	46mm
Knife Protection	Hydraulic
Knife Deactivation	Hydraulic from Cab
Unblocking System	Drop Floor

Bale Chamber

Diameter (m)	1.25
Width (m)	1.23
Bale Chamber feed	Fusion Rotor
Number of rollers	18
Bearings	50mm*
Greasing	Automatic Progressive

Net Wrap

Control	Manual or Automatic
Film/ Net System	Vario Stretch
Film/ Net Roll Capacity	1+1 Storage
Film/ Net Adjustment	In Cab

Transmission

Gearbox	Split Drive
Main Drive Protection	Cam Clutch
Pick Up Protection	Slip Clutch
Chain Lubrication	Continuous

Control

Control System	Expert Plus
Operation	Fully Automatic
Density Adjustment	In Cab

Other

Axle	8 Stud
Tyres Standard	500/50-22.5
Tyres Optional	520/55 R 22.5
Bale Kicker Indicator	Standard
Road Lights	Standard

Tractor

Minimum Hydraulic Flow	75kW (100hp)
Hydraulic System	2 double acting spools

* Bearings are double raced on the main load points



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McHale has evolved from a farm machinery retail outlet, which is still in existence today. This background has provided an excellent foundation for the design and manufacture of farm machinery, due to direct contact with the end user. Manufacturing takes place in a purpose built facility, which utilises the latest in laser and robotics manufacturing technology and operates to ISO 9001/2008 accreditation.

All research and development is conducted in-house using leading edge technologies. Machines go through rigorous testing during the product development process and machine performance is constantly monitored. As a result, this ensures that product of the highest quality, specification and design are delivered to you. Which explains why a McHale product is truly "an investment in the future".



991B



998



V660



F5000



Fusion 3

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