

FSP: 4862

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### **The Eagle has landed**

BOMFORD has introduced a new top-of-the-range reach arm flail mower, the EAGLE, which is a completely new machine that has been designed specifically to meet the needs of high hour, professional users.

The new EAGLE flail mower features a telescopic outer arm, giving it a maximum reach of 8.85 metres and the whole arm is mounted on a kingpost so that it can be slewed through 180 degrees for bi-directional left or right-hand cutting.



In designing the new EAGLE, the BOMFORD design team looked at the specific demands of both contractors and other professional users of this size of machine, such as drainage boards and rivers authorities. Every working part was reviewed based on an analysis of warranty reports, and interviews from other high capacity users and their machines. These findings have led to the robust and individual design characteristics of the new EAGLE.

The new EAGLE is axle mounted and features a separate mainframe containing a 135 litre oil tank that is mounted on rubber bushes to reduce vibration from the key hydraulic components.

The EAGLE can be specified with either a gear or a piston system, and has an oil capacity of 137 litres, and features a full flow automatic oil cooler and as part of the overall design review, wrap-around steel hoses are used on the first arm and kingpost for durability and improved hose routing, along with weight saving.

The arm design incorporates two large diameter rams for slewing the arm through 180 degrees and a completely new forward hydraulic break-out system ensuring a positive control of the machine, whatever the work conditions, or position.

The EAGLE is designed for use with either the 1.2m or 1.5m wide PRO-CUT flail heads, or other heads such as the PRO-SAW, DITCH CLEANER, ROTARY HEAD. The head is mounted on a BRAND NEW hydraulic turntable design that can be rotated through 180 degrees to allow the head to be perfectly aligned regardless of the position of the arm, this new design incorporates a hydraulic motor and worm drive for accurate and reliable operation.

Incorporated into the arm is a new wear-pad system for the hydraulic arm that is designed to be easy to adjust and provide greater support. Each wear pad can be quickly and simply adjusted using four external bolts, which apply pressure to the wear pad via a 'V' wedge system. The pads are also mounted on the edges of the arm to avoid torsional twist, thus presenting the cutting attachments at the correct angle for work.

The new EAGLE is controlled using the updated and advanced Bomford ICS (Intelligent Control System) control unit. This provides fully proportional and programmable control of the flail mower, which also features electronic head float control and electronic reversal of the rotor.

The standard specification also includes full road lighting and as is standard on all Bomford machines, the EAGLE comes filled with oil and ready to use.

For further information, please contact either:

Chris Tucker  
Bomford Turner Ltd  
Station Road  
Salford Priors  
Evesham  
Worcestershire WR11 8SW

or

Richard Whiskard  
Four Seasons Publicity  
Bury Barn Farm  
Bourton-on-the-Water  
Cheltenham  
Gloucestershire GL54 2HB

Tel: 01789 773383  
Email: [ctucker@bomford-turner.com](mailto:ctucker@bomford-turner.com)

Tel: 01451 822709  
Email: [richard@four-seas.co.uk](mailto:richard@four-seas.co.uk)