

# Maintenance

## Maintenance Equipment

An appropriate maintenance machine is essential to ensure the continued performance and extended life span of a synthetic riding surface.

Our machines have been specifically designed by Martin Collins and John Cousins for the maintenance of synthetic riding surfaces. They help keep surfaces level, groomed and compacted.

If you are unsure which piece of machinery is the correct choice for your needs please call us on +44 (0)1488 71100.

For more information call  
**+44 (0)1488 71100**  
or see our website

[www.mceltd.com](http://www.mceltd.com)

### Arena Master Supreme Plus

Mounted on a three point linkage with fully adjustable tines. Comes with front and rear crumbler rollers to maximise stability and keeps machine level at all times. Available in a variety of widths.



### Arena Master Deluxe

The largest machine for arenas, ideal for competition use. Again with front crumbler roller which keeps the machine level at all times. The double roller behind provides additional compaction. Mounted on a three point linkage, with fully adjustable tines.



### Gallop Master

This machine has been specifically designed for use on training tracks. It has a combination of smooth and flat bar crumbler rollers to give the best finish to your training surface. This machine also incorporates adjustable tines and three point linkage attachment. HP ranges from 40bhp for 2m and 100bhp for 5m width. There is also a trailed version designed for racetracks.



### Tow Master

Lighter weight maintenance machine designed for towing by a quad bike. It is available in varying widths to match your requirements and budget.



Find out how to care for your surface 

# Aftercare Guide

## Maintaining your equestrian surface

The aftercare of your surface is the most important activity you can do to maintain its performance. All surfaces are dynamic and respond to changes and workload.

### General Guidelines

- Prior to using the Arena Master, rake back on the perimeter riding track, any loose material from the retaining boards or edges by means of a rake or four pronged fork.

- When maintaining your surface do not go in the same direction twice and follow recommendations as seen in Figures A and B. Always groom in alternate directions and vary the starting point to as many different locations as possible.

- When grooming with the Arena Master, maintain a consistent and steady speed i.e. active walking pace.

- Compaction is created with the crumbler roller and the hoof 'cushion' with the tines. The going can be altered by adjusting the height of the tines and it is imperative that the tine depth is altered in stages i.e. 1cm /  $\frac{1}{2}$ " at a time so you create a gradual even depth.

- Do not allow heavy vehicles or equipment on, or over, the surface other than for maintenance purposes.

- Check the tine tips, as they will wear. The tip is double ended and can be reversed when needed. Contact us to order replacements and exercise care following the renewal of your tines to ensure you align the new tip to the previous depth setting.

- The Arena Master is not designed to correct an un-level surface. All tracking or dips in front of fences etc. must be hand raked first prior to the use of the Arena Master.

- Always endeavour to lift horse droppings and debris i.e. leaves; to minimize risk of contamination.

- It is prudent to depth check your surface every four months which will alert you to any variation in surface depths. This can easily be done using a 'dibber' or garden fork which is taped at the installed compacted depth. Readings should be taken at each of the perimeter markers, quarter, centre, and three quarter lines together with random points throughout the arena area.

- These should be marked on a plan where it is then easy to pinpoint any undulations that may be occurring. If you are concerned, then please call us for advice.

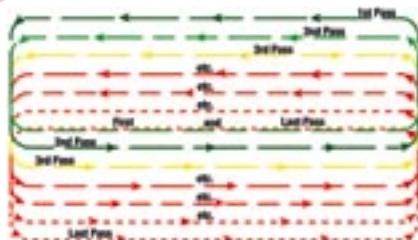


Figure A

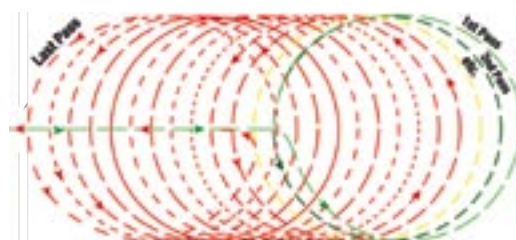


Figure B

### Wax Coated Surfaces

The top working depth of a wax coated surface can be altered to produce a variety of riding conditions. The deeper the Arena Master tines are set, the more 'cut' the surface will have, the less deep the setting, the firmer the surface will ride. Try different settings ranging from 10-50mm and decide which setting suits your requirement the best. If the ride needs to be varied, adjust the settings by means of the winding handle and apply the Arena Master. One should exercise extreme caution when adjusting the tines to a deeper setting where a membrane has been installed beneath the riding surface, in order that the tines do not puncture the membrane during the maintenance procedure.

If your surface is to be in constant use, daily maintenance is recommended. Following an initial 4-6 week period, use the Arena Master on an, as required basis.

As already stated, debris and horse droppings should be removed at the first opportunity as if allowed to remain they will dry out, contaminate the surface and reduce the effectiveness of the wax coating.

You will find that in the summer the wax coating will 'ease' around the product requiring less grooming and more compaction which can be achieved by lifting the tines up with more use of the crumbler rollers.

In the winter the wax will 'tighten' around the product and therefore penetration using the tines set a little deeper, may be required. Your surface may also benefit from the use of a power harrow in periods of extreme cold, especially those arenas receiving heavy horse traffic or those requiring a 'compacted' finish i.e. Polo.

### Dry Surfaces – Sand and Clopf® Fibre

Once the surface has been correctly installed by means of watering and compacting with a Bomag 120 double drum roller (or similar), you will need to groom your surface regularly to ensure that it retains its stability and consistency.

During dry weather conditions, it is likely that the surface will ride with more 'cut' and to combat this situation, watering is essential to ensure that the fibre is retained within the sand. The tines should then be raised on the Arena Master so that they merely remove the hoof prints. Should you allow your surface to dry out, it will be necessary to both power harrow and rotovate the fibre back into the sand, followed by a thorough watering and rolling. Once completed, the surface is then ready for use.

During the colder weather you will find that these type of surfaces will ride 'firmer' and setting the adjustable tines a little deeper may alleviate the compaction, however one should exercise caution so as not to 'pull' the fibre out of the sand.



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