



***Supaturf***



**BRITELINER 400 SERIES**

**OPERATOR MANUAL**

# VITAX LTD



Vitax Limited  
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ENGLAND

## UK & EC DECLARATION OF CONFORMITY

Herewith we declare that the machinery described below is in accordance with the relevant health and safety requirements of “The Secretary of State” and “The EC Council Directives” concerned with the supply of machinery compatibility. No alterations are to be made to the machine without the prior consultation and approval of Vitax Limited otherwise this Declaration may become invalid. This equipment must be commissioned, used and maintained strictly in accordance with the operating and maintenance instructions issued with the machine. Operators must be trained in accordance with the recommendations given in the operating and maintenance instructions issued with the machine.

<b>Description of machine:</b>	<b>BRITELINER 400</b>
<b>Machine Serial number:</b>	<b>As per the build sheet (<i>supplied</i>)</b>
<b>Date of supply:</b>	<b>As per invoice date</b>
<b>Relevant EC Council Directives:</b>	<b>Machinery Directive 2006/42/EC and Subsequent amendments.</b>
<b>Relevant Secretary of State act:</b>	<b>The Supply of Machinery (<i>Safety</i>) Regulations 2008.</b>

Issued on 7<sup>th</sup> May 2021 by *A. Gurney* on behalf of Vitax Ltd.

Signed - *A. Gurney*

Position of signatory: - *Operations Director*

## **Introduction**

### ***Please read this manual before use***

This is essential if you are to learn how to operate this equipment correctly. Failure to do so could result in equipment damage.

This manual should be considered a permanent part of the equipment and should remain with the machinery if sold on.

### **The Briteliner 400 - 2, 3 & 4 inch models**

Thank you for choosing the Briteliner 400 transfer wheel line marking machine. The Briteliner 400 has many advanced features over and above traditional transfer wheel markers.

These include:

- Interchangeable transfer wheels, 2", 3" or 4" options
- Height adjustable handlebar
- 15 litre capacity tank
- Large tubed pneumatic wheels for stability and ease of use in difficult conditions
- A revolutionary brush system, allowing the user to reduce or increase the marking liquid volumes applied to the application wheel
- A centre transfer wheel for smooth running, featuring a renewable rubber outer
- The centre transfer wheel is hollow to allow the user to increase or decrease its weight for individual user preference
- An adjustable scraper blade on the front alloy wheel for muddy or difficult conditions, to assist in keeping the alloy application wheel reasonably clean

### **Intended Use/Disclaimer**

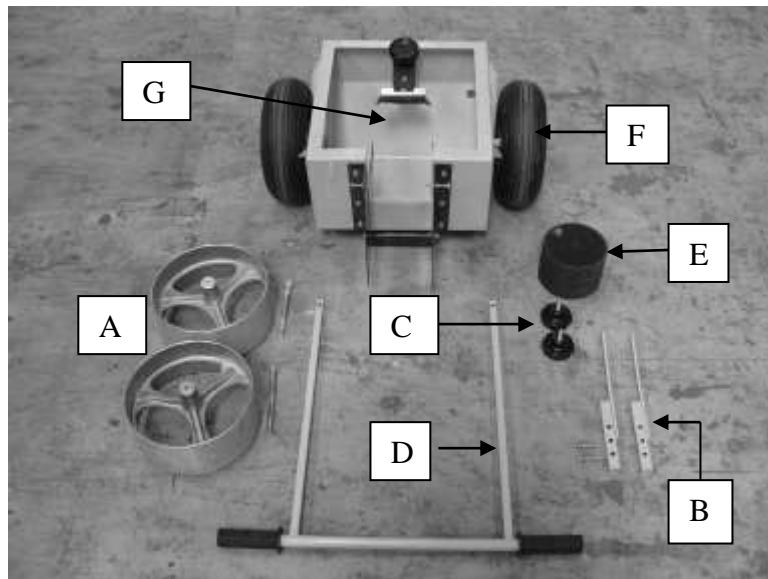
The Briteliner 400 is designed for use in the line marking of sports fields. Use in any other way will be considered as contrary to the intended use. The manufacturer accepts no liability for damage or injury resulting from misuse and the risks must be borne solely by the user.

## Assembly Instructions

### Box contents:

- A Aluminium wheels
- B Handlebar mounting
- C Handlebar hand wheels
- D Handlebar
- E Centre transfer wheel
- F Large pneumatic tyres
- G 15ltr tank/main chassis

**Tools required:** 10mm Spanner (not supplied)



The Briteliner machine comes in the box virtually assembled for you. The pneumatic wheels are already on, as are both of the aluminium wheels. This is to make it as quick and easy as possible for you to start using your new Briteliner 400 line marker.

Before being able to use your machine, the handle bars need to be assembled:

**1.** To fix the handlebars (**see part D**), remove the two hand-wheels on either side of the rear of the tank. Place the handlebar mounting brackets (**see part B**) in their position on the lugs either side of the rear of the tank. Adjust the handlebar mounts to the preferred position. Replace and tighten the two hand wheels through the holes on the handlebar mounts (**see figure 2**). Locate the handlebar into the mounts and adjust the handlebar height to the preferred working position.

**2.** Place the centre transfer wheel (**see part E**) between the pick up wheel and the application wheel (**see figure 3**). (You may need to adjust the locating bolts slightly to ensure the centre transfer wheel is exactly aligned, between the pick up and application wheels).

**NOTE:** The weight of the centre transfer wheel (**see part E**), under certain circumstances, can be increased to aid the transfer of line marking liquid from the pickup to the application wheel. To increase the weight of the centre transfer wheel, remove the bung located on the side of the wheel and pour sand or water through the hole and replace the bung. Repeat this process until you have the desired weight.

**3.** The scraper blade located underneath the chassis behind the front application wheel may need to be adjusted. The scraper blade is designed to touch the application wheel if the marker is being used in muddy conditions, or conditions where grass clippings are likely to be collected on the application wheel (**see figure 4**). This setting ensures that the application wheel stays reasonably clean from debris and that the marking liquid which is transferred onto the application wheel is also free of mud or grass clippings, so as not to contaminate the line being applied. On quality fine turf areas where debris is not a problem, the scraper blade can be set away from the application wheel so it does not come into play. To adjust the blade a 10mm spanner is required.

If you have any further questions or need more information on the Briteliner 400, please contact either Vitax Ltd on 01530 510060 or your local Supaturf distributor.

**Contents (pre-assembled except handle)**

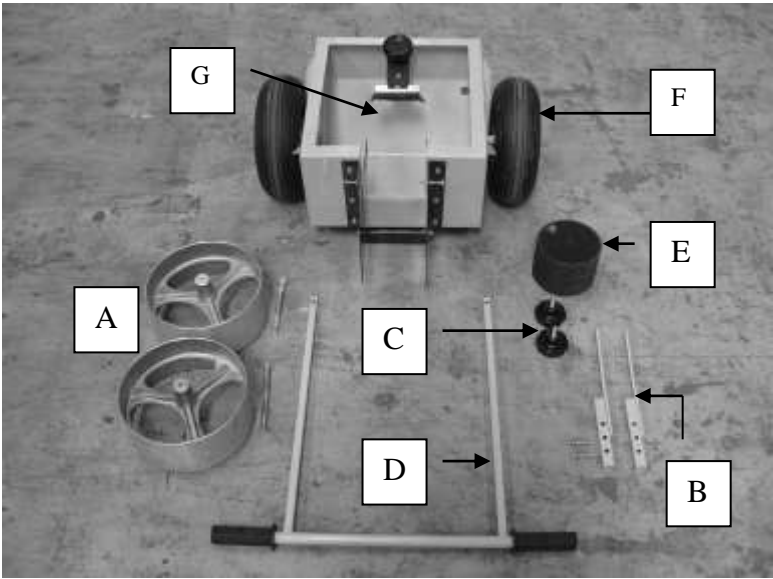


Figure 1

Figure 2

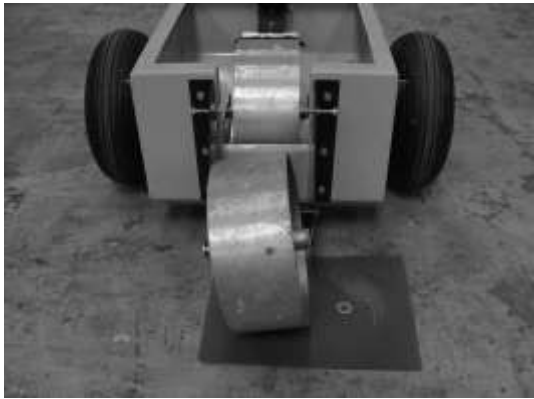
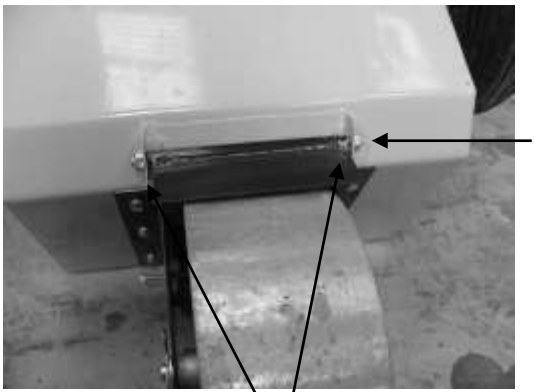


Figure 3



Figure 4



Scraper adjusting nuts can be found at both ends

## Using the Briteliner 400

Once the machine has been assembled and set up you can mark out your lines. First you will need to choose which Supaturf Line Marking Liquid you wish to use.

- Briteline
- SupaStadia A/F
- SupaStadia
- Stadia & Stadia Colours
- Sport
- Briteline plus

Material Safety Data Sheets for all of the above products are available on request.

Dilute the marking liquid with water to the desired concentration and thoroughly mix. Dilution rates are recommended for all Supaturf line marking liquids on the product label - please stay within these guidelines.

**NOTE: Shake the drum of marking liquid well before opening. Always add the line marking liquid to the water.**

**WARNING:** To avoid splashing of line marking liquid into eyes, eye protection and gloves should be used whilst handling and pouring the material. In the event of a spillage, refer to the material safety data sheet for the line marking material being used.

If the pitch conditions demand, adjust the scraper blade so that it touches the application wheel to prevent any debris build up.

Once the mixed marking liquid is prepared pour the mixture into the Briteliner's 15 litre tank.

## Marking your first line

Before commencing marking it is worthwhile using a suitable area where the operation can be tested and you can familiarise yourself with the machine.

The pitch to be lined out should be planned and possibly strung out in advance (or similar) and the Briteliner 400 should be checked to ensure that all three wheels rotate when the Briteliner is moved forward and the line marking liquid is evenly picked up and transferred from wheel to wheel.

You should walk at a comfortable pace and ensure that you do not step on the line after application as this may result in a series of white footprints. This may take a bit of practice. The wheels of the Briteliner are configured so that marking circles is made easier.

When marking out sports lines at 90° to the recently applied lines, it is advisable to stop the machine with its wheels just in front of the existing line and "walk" the Briteliner wheels over the line to avoid contamination with the marking liquid that has not dried.

As a quick guide you could expect Supaturf line marking liquids to dry within 10 minutes in direct hot sunshine, but this can take considerably longer subject to weather conditions.

**WARNING:** If the machine is going to be lifted onto a vehicle after line marking for use at another site, the tank should be emptied and the machine lifted by two people. Alternatively loading ramps should be used to ensure operator safety.

To empty the tank, remove the bung located at the rear of the machine and allow the remaining mixed line marking liquid to drain into a bucket. Do not empty mixed line marking liquid into watercourses.



## **Cleaning the Briteliner 400**

### *Cleaning after use*

It is important that your Briteliner 400 is thoroughly cleaned using SupaFlush after every use.

Always clean the Briteliner after use and follow these simple steps to ensure your machine is as clean as possible.

1. Empty left over product out of the tank. Do not dispose of any left over line marking solution in the main watercourse.
2. Rinse out the 15 litre tank with fresh water and agitate the water by tipping the Briteliner backwards and forwards by the handlebar.
3. Empty out the waste water.
4. Repeat steps 1, 2 & 3 with further amounts of fresh water.
5. Rinse the pickup, applicator and centre transfer wheels with fresh water.
6. Repeat step 2, this time using 2 litres of water and adding 50ml of SupaFlush to the water.
7. Using the SupaFlush solution, wash the centre transfer, pickup and application wheels removing all traces of line marking liquid.
8. Finally, before putting the Briteliner 400 away, ensure that the scraper blade is clean of any debris.

When using SupaFlush, always use eye protection and gloves. Refer to the SupaFlush material safety data sheet.

## Supaturf Line Marking Liquids

Supaturf manufactures all its line marking liquids at our factory next to our head office in Coalville, Leicestershire, England.

Supaturf Line Marking Liquids come in many different grades, these being:

- Supastadia AF
- Supastadia ECO
- Supastadia
- Stadia
- Sport
- Briteline Plus
- Briteline
- Supaturf RTU

Briteline has been specifically designed for use with transfer wheel markers at application rates ranging from 1 part Briteline to 1 part water up to 1 part Briteline to 3 parts water.

All other Supaturf line marking liquids have application rates ranging from 1:1 to 1:8 for transfer wheel markers.



## NOTES



# [WWW.SUPATURF.CO.UK](http://WWW.SUPATURF.CO.UK)

Visit our website for more information on our range of line marking machines and line marking liquids. Also available are informational videos offering demonstrations of Supaturf line marking machines and some trouble shooting guides.

## ONLINE SPARE PARTS SERVICE

Comprehensive ranges of spare parts for all Supaturf line marking machines are available. If you require spare parts for your machine, visit the website where you will find a complete listing for each machine.

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