

# Go Line 30 User Guide



The Go\_Line 30 spray marker is a robust, modern line marker designed to make the marking of lines on grass and artificial surfaces easy. Correct use of the machine will provide the best results. This section provides a guide as to how to achieve the best results when using the Go\_Line 30 machine.

### How to use the Go\_Line 30.

1. Filling the 25 litre line marking tank with material. It is recommended that only sufficient material is put in the tank to cover the area to be lined. Following material mixing instructions prior to filling the tank. As a guide between 1 and 1.5 litres of mixed material will mark 100 linear meters of line. This is variable depending on speed of travel. **Note.** A damage nozzle can significantly increase volume output. Reduced battery power or semi blocked filters can reduce volume output. (Mix the material in line with the instructions shown below in section C)
2. Fill the water cleaning tank with 1.75 litres of clean water.
3. Turn the paint/clean valve on the console to the marking Liquid position
4. Set the nozzle height for the width of line required. Raising and lowering the height of the nozzle dictates the line width. To achieve the desired line width, set the nozzle at a given height, lock it into place by tightening the holding screw, and spray on an area of ground.

**Note:** *It may be necessary to purge air from the paint line to start material flow. This can be done in two ways. Either by unscrewing the DCV red cap half a turn or removing the nozzle and cap. Switch the machine on and once material flow is achieved switch off and either retighten the DCV cap or put the nozzle and cap back in place.*

This area should have the same grass height as the area to be line marked. By adjusting the height up or down and then measuring the line the required width can be found for that particular grass sward height. If using the optional disc set, set the discs to the required width and secure them in that position. Adjust the height of the nozzle so the nozzles fan edge impacts the disc between 3 and 5mm from the bottom of the discs.

5. Once the line width has been set and the task of marking the sports surface is to be carried out then it is a simple task. Place the machines nozzle at the point the line is to start. If there is a string that has been placed to follow, address the machine in relation to the string. It is recommended that the string should be lined up with the edge of the spray fan. If the discs are being used line up the string with the inside or outside edge of either the left or right disc. To commence the line marking operation switch the machine on at the on/off switch on the

handlebar and push along the line to be marked. Be sure to move forward when switching on at the handlebar switch and at the point the line is to be stopped switch off the machine. Go\_Line 30 is designed to go around corners as well as straight lines so semi circles on soccer fields are easy. For very tight semi circles such as soccer corners simply lift up the rear wheels and turn the machine on its front wheels so that a very tight circle can be achieved. If the optional front discs set is in use the discs should be flicked up to the transport position to allow for the required tight turning.

It is important once the line marking work has been finished that the machine is cleaned.

Cleaning is simple as the Go\_Line 30 has a secondary clean water tank and an easy empty point at the bottom of the main tank. See Machine maintenance cleaning after use section page 4

## **Ways to optimize line quality**

### **Line marking paints storage and use.**

Consult your Go\_Line 30 supplier for their recommendation on appropriate line marking liquids. We recommend the use of Go\_Line marking liquids.

Always store line marking material in a secure place away from children, animals and free from frost. Water based line marking materials can be damaged by frost and become unusable.

Always use a proprietary water based line marking liquid designed for use with a spray type line marker. Use of other paints may damage the pump and foul paint lines and will render its guarantee invalid.

Stay within the dilution guidelines shown on the marking material. Using line marking paints outside of their recommendations will result in poor line quality and or blockages in the pump or spray lines. Lower dilution rates will generally provide brighter, whiter lines.

### **How to achieve best results in use**

#### **A) The Surface**

1. Always try to find the best possible weather window for the task of line marking. No line marking material will be as effective when sprayed in wet weather or onto a wet or damp surface. If sprayed in rainy conditions performance of the material will be effected and can in severe cases be completely washed away before it can dry.
2. Line marking material will perform best on surfaces that have good grass quality

and density. Generally, results will be poorer on areas of sparse or no grass cover. In the case of artificial grass surfaces the surface manufacturer should be consulted for compatibility of the line marking material with the surface. **Never** use any type of non water based paints in a Go\_Line 30 machine.

3. The surface should always be mowed and the grass length uniform before the area is line marked. Any excessive amounts of grass clippings or other debris such as leaves should be removed from the line area prior to marking.

## **B) The Line Marking Material**

1. Mix the line marking material immediately prior to use and insure it is thoroughly mixed with the water.
2. Make sure the vessel used for mixing the material is clean and free from dirt and debris.
3. When mixing material a dedicated mixing drum that can be vigorously shaken to insure the concentrate and water are homogenous throughout is a sure way of achieving a good mix. Alternatively a bucket and mixing stick can be used, a flat paddle type stick is preferable. All mixing vessels and material should be cleaned after use.
4. If on the completion of the line marking task there is marking material remaining in the Go\_Line 30 tank this material can either be removed via the tank drain plug, or kept sealed in the tank until the next use. Material should not be left in the tank for periods longer than 1 week. For best results remove material and cleaning through the tank with clean water ensures the tank remains clean and free of any build up of line marking material.
5. Material as described in 4 above can be stored and reused at a later date. Before reusing it make sure that this material is thoroughly remixed. Material that has been left in the tank for a later use within the one week period, can be remixed by rocking the machine forwards and backwards on its back wheels. The baffles in the tank assist in the agitation and so remixing of the material is achieved in a homogenous manner.

## **C) The Machine**

1. Always make sure the machine's pipe work, nozzles and filters are clean prior to use and the battery is fully charged.
2. The spray nozzle should be in pristine condition. For best results, spray nozzles should be replaced regularly. A damaged spray nozzle will significantly impact line quality. Spray nozzle damage can be seen by distortion of the fan when spraying, and possible non uniform appearance of the line itself. Replacement

nozzles should be as specified in the machine manual. Ask your Go\_Line 30 supplier about replacement nozzles.

3. The optional marking disc attachment is a further aid to line quality. When using the disc system the correct set up is a significant factor in achieving optimum line quality. The discs need to be set so the nozzle fan edge impacts the disc between 3 and 5mm from the bottom of the discs.
4. Make sure all tyres are inflated and are of a uniform pressure. Over inflation of tyres makes the machine less stable, under inflation makes using the machine more strenuous.

#### **D) The Operator**

1. The machine is designed for a comfortable to brisk walking speed. It is important to travel at a consistent speed.
2. The machine provides different positions to spray from. The in front position and the position to the side. (the side mounting system is an optional extra) To keep lines straight when over marking an area, and not using a string as a guide, it is important to have the machine handlebar height set up in the way that feels most comfortable for the individual. It is generally found easier that when using the in front nozzle position the user walks to one side of the line they are applying rather than straddle the line.
3. Before using the machine for the first time it is recommended that the user practices the line marking operation in order to familiarise with the use of the machine.

### **Machine Maintenance**

#### **Cleaning After Use.**

1. Once the line marking task is complete turn the line marking liquid/water valve on the console to the water position. Switch on the machine at the handlebar and allow the machine run for 30 to 45 seconds. Switch off the power. The pipe work, nozzle and filters on the Go\_Line 30 are now clean. If the machine is to be used in the next 7 days the product can be left inside the paint tank and need not be removed.

If the Go\_Line 30 is **not** going to be used within 7 days any mixed marking paint should be removed from the tank. This can be achieved in two ways, either spray the product that remains in the tank out through the nozzle into a collecting vessel, (For speed remove the nozzle tip and filter) or empty through the drain plug at the rear of the machine. If it is chosen to empty the machine through the spray nozzle empty the tank contents into a collecting vessel then switch off the

machine. Turn the marking liquid/water valve on the console to the clean position. Switch on the machine at the handlebar switch and let the machine run for 30 to 45 seconds.

If it is chosen to empty the machine via the drain plug, place a collecting tray/vessel under the tank drain plug and remove the plug by unscrewing and pulling it downwards, so allowing the contents of the tank to flow out and be collected. To aid drain plug emptying tipping the Go\_Line 30 onto its back right rear wheel will aid complete emptying of the tank.

Once all material is drained out it is recommended that a high pressure hose is sprayed inside the tank allowing water to drain out through the drain plug. This is the optimum method of removing any paint residue from inside the tank and ensuring the tank baffles and tank interior is kept clean. Use a suitable area for disposal of these washings. Once clean push back in place the drain plug and screw until tight.

2. The periodic use of a cleaning agent to keep the machine pipe work clean is recommended. Consult your supplier for recommendations. A measured amount of tank cleaner/cleaning agent can be added to the clean water tank. This will improve cleaning of the pipes, filters, nozzle and pump parts. If a cleaner is used be sure to use a product that is not toxic to grass, or that cleaner residue is not left in the pipes.
3. Check that all filters are clean. The tip filter behind the nozzle may need cleaning. The in-line filter located under the rear of the machine should periodically be checked for debris build up. To clean unscrew the filter cap remove the gauze and clean thoroughly in soapy water. After cleaning relocate gauze and screw the cap back on.

## Monthly Maintenance

It is recommended that the main paint tank is washed out monthly. This is to prevent an excessive paint build up in the bottom of the tank. Choose a suitable area for cleaning and remove the tank bung at the rear of the machine. To remove unscrew and pull out the drain plug, to relocate push the drain plug back in and tighten. To wash through the tank simply remove the cap and using a hose pipe flush water at pressure into and through the tank. These washings will then exit the drain hole at the rear of the tank. Wash through until thoroughly clean and then replace the drain plug into the rear tank drain hole. Replace tank cap.

## **Long Term Maintenance**

When a machine is not being used the battery should be recharged every 8 weeks to keep it in optimum condition. Leaving a battery for a period in excess of 3 months can permanently damage the battery and reduce its life span.

The pump should be preferably left with clean water in the system; this prevents the pump diaphragms from getting dry and brittle over time.

The machine should be stored away from frost if water is left in the machine. If this is not possible empty all water out the system.

Replace the nozzle at the start of each new season, replace filters and filter gauzes as and when required.

Tyres should be inflated when required. In the event of a puncture tyres can be repaired by the supply of a new inner tube.

## **General information**

### **Battery**

The battery supplied with the machine is a 7.2 or 9 amp hour dry sell battery. When the battery is fully charged it should operate the pump for a minimum of 5 to 6 hours of constant run time. To maximize battery life it is important that the battery is recharged after each use. To fully charge the battery it should be charged for 12 to 16 hours. To recharge the battery simply plug in the charger to the recharge point on the console of the machine, plug into the mains electricity and switch on. After charging switch off and disconnect charger.

### **Charger**

The charger supplied is rated at 800 milliamps amps and is designed to recharge the battery in an absolute maximum time of 16 hours. After charging the charger should be switched off and disconnected after each charge cycle.

### **Pump**

The Delavan diaphragm pump is a 2 chamber positive displacement pump complete with a pressure demand switch. The demand switch allows the Go\_Line 30 to be effective for hand stencil work and also prevents pump damage in the unlikely event of a blockage. It is a maintenance free pump with built in dry run protection and is configured to spray at between 2 and 2.8 bar pressure.

## Specifications

Box size	990 mm X 305 mm X 420mm
Height	43 cm (handlebar not included)
Length	101 cm (front marker not included)
Machine weight	20.5 Kg empty including battery
Tank sizes	28 litres + 1.75 litre wash tank
Wheels	260 X 85 treaded with inner tube
Axles and handlebars	Zinc electroplated and blue passivated. Coated areas black ferrograin powder coat
Nozzle	Either Blue F80-03 or Lilac F80-025
Tip Filter	50 mesh
In line filter	Polypropylene bowl filter type 50 mesh
Battery	Either 12 Volt 7.2 amp or 12 volt 9 amp dry cell cyclic batteries
Charger	12 Volt 800 Milliamp plug top charger or 12 volt stand alone version
Diaphragm check valve	EPDM type
Pallet quantity	16 units
Hose and fittings	Braided polypropylene fittings

## **Go\_Line 30 Accessories**

### **Marking Disc Attachment**

The technically advanced marking disc attachment is easy to fit, robust and provides an edge to line quality. The disc allows for line quality to be optimized as the two discs ride with the contour of the ground and the spray head spraying between them provides a constant line width.

The effect of the marking material touching the lower part of the disc allows for a greater volume of material to be placed on the edge of the line producing a stronger and brighter line because the edge is better defined.

The discs are designed so they can be quickly lifted up to their storage position against the tank. This facility enables tight circles to be marked. The discs should be kept in the storage position when the machine is being transported on a vehicle or being pushed over hard or difficult surfaces.

To change the width of the discs loosen the two hand wheel knobs located on the underside of the disc mounting bar, until the hand wheel knobs are free of their recesses. The disc can then be slid along either end of the bar to a different position. For ease of vision when changing the disc width the machine can be sat back on the handlebar. Once the desired width is achieved retighten the hand wheel knobs into the chosen recess.

### **Hand lance**

The hand lance allows for the spraying of colour stencils. Simple quick attachment onto the machine allows the Go\_Line 30 to become an effective hand paint sprayer.

### **Athletics Marker**

The athletic marker attachment enables the user to apply three lines at the same time.

### **Side spray arm**

The side spray arm allows the operator to convert the machine to spray to the right side of the machine



**Contact Details:**

Sole EU Distributor:

DMMP Limited  
Manor Lane  
Peckleton  
Leicestershire  
LE9 7RJ

TEL: +44 (0)845 643 9776

Email: [sales@dmmp.co.uk](mailto:sales@dmmp.co.uk)

Web: [www.dmmp.co.uk](http://www.dmmp.co.uk)

**Go\_Line Marking details:**

**Website:** [www.golinemarking.co.uk](http://www.golinemarking.co.uk)

**Email:** [sales@golinemarking.co.uk](mailto:sales@golinemarking.co.uk)