

BALLPICKER

FULLY AUTOMATIC GOLF BALL COLLECTOR



New from the Bigmow® robotic mower stable comes Ballpicker – a fully automatic golf ball collector for driving ranges and practice grounds.

Ballpicker gives range owners and managers the ability to collect and retrieve balls safely, securely and silently while golfers practice, eliminating the need to close the range, use specially-guarded collection vehicles or have large numbers of golf balls in reserve.

Powered by rechargeable batteries and controlled by on-board computer, Ballpicker works randomly within a pre-defined area and is prevented from straying by a buried low-voltage perimeter wire across which it will not pass.

As Ballpicker moves silently and smoothly across the ground, it gathers up golf balls and deposits them in a special hopper with a holding capacity of around 300 balls.

When the hopper is full – or sooner if required, depending on machine programming – Ballpicker returns automatically to its release station, offloading the balls before setting off on a new collection cycle. The release station is designed to be linked to virtually all golf ball conveyors, washers and dispensers enabling semi- or fully-automatic operation of the range, further reducing overheads.

Recharging of the batteries is also fully automatic. When the machine's microprocessor detects that power is running low, it triggers Ballpicker's "homing" control which sends the machine back to its charging station positioned at the perimeter of the working area. Approximately two hours later with its batteries recharged, Ballpicker sets off on a new ball collection cycle.

And there are no worries about safety either. In addition to its tough, ball-resistant shell, Ballpicker is equipped with sonar and touch sensitive bumpers, enabling it to sense and steer around fixed or temporary obstacles without damaging itself or anything else for that matter.

With its robotic grass-cutting cousin, Bigmow®, already making quite a name for itself, Ballpicker is set to revolutionise golf range management by eliminating a time-consuming, costly and, at times, hazardous operation.

For further information on Ballpicker and a no-obligation quotation, please contact:
Turfmech Machinery on 01889 271503,
or e-mail: info@bigmow.biz



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Wheel drive system

24 volt brushless DC motors driving a pair of 450mm (18in) diameter wheels fitted with non-slip tyres

Steering

Controlled by varying the speeds of the two drive wheels

Working speed

One metre/sec (2.2mph) on level, open ground. Speed reduces to 0.3 metre/sec (0.7mph) when the in-built SONAR detects obstacles, around which the machine automatically steers

Ball collection system

Full width freewheeling discs which trap and lift the balls, depositing them into an on-board hopper with a capacity of approx 300 balls

Safety

Sonar detection of all obstacles in the machine's path, automatically reducing forward speed. Touch sensitive bumpers instantly stop and reverse the mower before forward motion restarts in a new direction.

Power source

On-board 24 volt NiCad batteries with a capacity of 15Ah

Power consumption

200 - 750kWH/year depending on driving range area

Recharging station

220 volt input supply required. Incorporates a 30 volt AC charger for the Ballpicker's batteries and a regulated very low voltage (0.5 volts) power supply for the buried perimeter control wire. All installations carried out by skilled Turfmech technicians

Dimensions

Length - 1.36m (53.5in); width - 1.22m (48in); height - 0.5m (20in)

Weight

62kg (136lbs) (with batteries and excluding balls)

For further information on the robotic Ballpicker golf ball collector, please contact:



TURFMECH®

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