

turftroniq

# SmartMow

Zero emission robotic fairway mower

*Autonomy for golf courses*



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

# 0% emission, 100% autonomy

## Smart technology increases productivity

Maintenance on busy golf courses is time consuming and requires substantial effort from the green-keeping staff. Well maintained fairways make the golf course more appealing to players, but frequent mowing is time consuming. With TurfTroniq's SmartMow the mowing is done autonomously and unattended. This saves a lot of time and frees up labour for other important jobs. SmartMow will deliver consistent results, day or night. Moreover, SmartMow is 100% electric, silent and sustainable. SmartMow is your ideal helper; getting things done quickly, accurately and with great consistency.

## Ultimate ease of use

The SmartMow uses TurfTroniq's Robotic Mowing technology: It uses the layout of your golf course that you record once, with SmartMow. You can then simply compile mowing routes with different mowing patterns: stripes in different mowing directions, two-tone or curved stripes. Mowing routes are calculated automatically, including transport from mowing area to mowing area. To mow, choose the desired mowing route, drive the machine on the route and press 'Start'. Easy as that! When the machine is ready, the machine stops, the brake is put on and a notification is sent to you.

## Safety first

SmartMow is equipped with extensive safety features. The system monitors itself and stops the machine when there is an obstacle in front of or behind the machine using state-of-the-art 360 obstacle detection. In addition, the machine is equipped with self-diagnosing bumpers and remote start/stop.

## Perfection

TurfTroniq SmartMow mows with centimeter precision: straight and accurate mowing passes and a smooth clean up lap. Mowing is consistent and the gentle turns contribute to unparalleled quality of work. With SmartMow you always get the desired result: perfection.

## Specifications — SmartMow

<b>Drive train</b>	Fully electric, permanent 3WD, electronic differential, >20kW at wheels.
<b>Braking</b>	Electro-mechanical brakes on both front wheels
<b>Steering</b>	Electric steering rear wheel, zero-turn capable
<b>Tires</b>	Front: 26x14.00-12/4PR tubeless, smooth Rear: 24x13.00-12/4PR tubeless, smooth
<b>Battery</b>	LiFePO4 48V, scalable from 11.8 kWh to 47.1 kWh
<b>Charger</b>	50A charger 230VAC input, max 15A, optionally 80A charger@380VAC
<b>Run time</b>	>3 hours per battery (>3, >6, >9 or >12 hours)
<b>Cutting units</b>	5 units, electric, 5" or 7" diameter 8 or 11 blades, 100" width of cut
<b>Speeds</b>	Transport speed 15 km/h, mowing speed adjustable 5-10km/h
<b>Lift/Lower</b>	Five maintenance free electric linear actuators
<b>Dimensions</b>	Length 319 cm, height 209 cm, width 288 cm(mow)/216cm(transport)
<b>Weight</b>	1125-1460 kg depending on battery package, including five complete 7" cutting units
<b>Electronics</b>	TurfTroniq machine control system with manual control platform and 3.5" display. Electronic differential, integrated stability control and traction control
<b>Navigation</b>	TurfTroniq Robotic Mowing System (RMS) with 8" touch screen display and TurfTroniq Premium RTK GNSS receiver located under front cover
<b>Safety</b>	360 degree obstacle detection, emergency stop, self diagnosing bumpers, failsafe monitoring software.
<b>Connectivity</b>	4G connectivity, TurfConnect App available for Android and iOS.



## More information ?

Contact your dealer or visit [www.turftroniq.com](http://www.turftroniq.com)

