

# INFINICUT<sup>®</sup> III

## 34" Pedestrian Cylinder Mower

**FOR: FOOTBALL, BASEBALL, RUGBY, SPORTSGROUNDS, SCHOOLS & UNIVERSITIES**

FIXED (FX) or FLOATING HEAD (FL) DESIGN

LEADING-EDGE CUT QUALITY

INTERCHANGEABLE CASSETTES

COOL AND WARM SEASON GRASS COMPATIBLE

OPTIONAL OUT-FRONT BRUSH & WEIGHT KIT AVAILABLE TRAILED SEAT AVAILABLE FOR

34" MODEL

LITHIUM BATTERY POWER

PERFECT BALANCE

LIGHTWEIGHT

30" WIDTH ALSO

AVAILABLE



Photograph shows 34"  
Floating Head version



### Wembley Stadium

*"Three things really stand out for me with the INFINICUT<sup>®</sup> machines – one is the battery life; another is the versatility but perhaps the biggest thing is the balance. The floating head reads the pitch, every camber, every tiny movement and the whole team are very impressed by that and it shows in the quality of finish."*

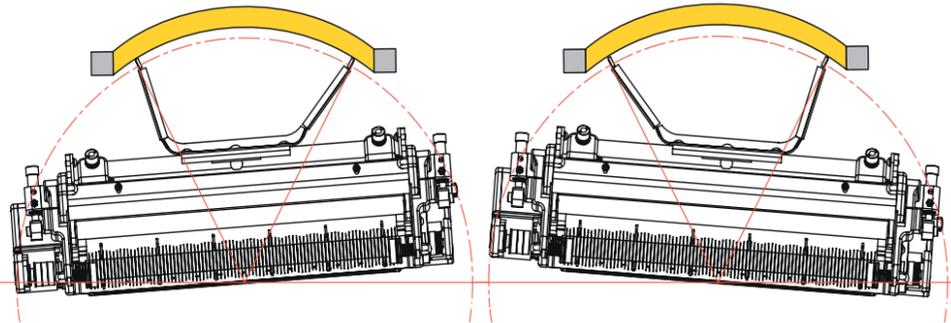
Karl Standley - Grounds Manager



Photograph shows 30" Fixed Head version

### FL30 & FL34 - Dynamic Return Floating Head

The use of a mower with a cutting unit independent of the traction unit (normally termed floating head) will decrease ground pressure as the combined weight of the mower is spread between both elements – traction unit and cutting unit.



### Chesterfield F.C.

*"The trailed seat gives us incredible productivity. It is quick and simple to attach and remove, and any adjustments to programmable speed can all be done at the touch of a button. The regen braking also gives us great control over end of line braking and turning."*

Liam Reynolds - Head Groundsman



### ERGONOMIC DESIGN

The ergonomic, easily adjustable, handle allows for configuration to a comfortable operating position with all controls simple to operate.

### InfiniApp

World's first professional mower with blue tooth connectivity via smartphone. Wirelessly modify settings and much more.

### BALANCED IN OPERATION

The weight transfer to the cassette is limited because the collection bucket is mounted on the traction unit frame. The result makes the unit optimally balanced during operation and end-of-line turning, giving a more consistent height in use.

### POWER

Power is delivered by a lithium power source, available in either 1.4kWh or 2.8kWh to drive the traction unit and the reel's DC brushless motor. They can be quickly swapped, in-field if necessary, to suit the working environment.

**Battery:** 48V LiFePO4 30Ah and 60Ah  
**Engine option:** Available as an option on FX (Fixed Head) versions.

### ADJUSTABLE CHASSIS

From the on-the-fly wrenchless adjustment of the front roller height to the adjustable bedknife, the user can make further adjustments to maximize cutting efficiency no matter what the conditions.

### Wrenchless Height Adjuster

Wrenchless Height Adjuster has become the industry benchmark for this type of application.

### Low Ground Pressure

The ground pressure of the unit is evened out over the rear roller and the two chassis rollers due to the floating head design.

### Adjustable Bedknife

Alteration of the bedknife geometry/attitude can compensate for bedknife face wear and offers consistency in the level of plant stress.



### DETACHABLE WHEELS

The detachable wheels aid transportation over concrete approaches.

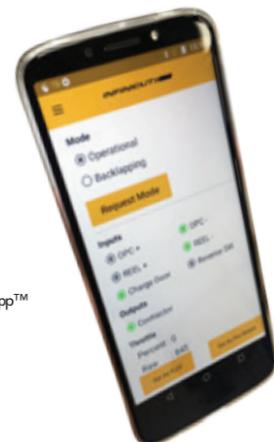
### QUALITY REEL

In-house designed and manufactured cutting reels available in 7, 11 and 14 blade set up. Optional single lever engage groomer attachment available to give a cutting height range of 10mm to 42mm (0.39in to 1.65in). The optional Groomer attachment contra rotates to achieve the maximum effect in alleviating grain and turf density problems. It has a fully sealed gearbox and is designed for single lever action to give simple engagement or disengagement and can be installed and removed in rapid fashion.

### FRONT ROLLER

Can either be specified as smooth, grooved or Wyle.

\* Patents granted or pending.  
 \*\* The power testing information used to establish the power rating of these engines can be found at <https://engines.honda.com/models/>



The InfiniApp™



## ATT INFINICUT<sup>®</sup> 30"

Engine*	Honda GX-160
Generator*	2kw continuous; 48VDC brushless
Sound Power Level	81.1dBA
Vibration level	1.23m/s <sup>2</sup> ,
Fuel Capacity	2.5 L
Battery Module (30Ah, 60Ah Lithium)	76dBA
Vibration level	0.56m/s <sup>2</sup> ,

Traction and Differential	
Drive Motor	1kW continuous; brushless DC
Voltage	48VDC
Traction Drive	Poly-V Belt/Chain
Operator Presence Control	Bail Handle & OPC
Differential	Externally mounted
Traction Drum	19cm diameter machined aluminium
Brakes	Electronic/Regenerative
Transport Wheels	Pneumatic 11 x 400 - 5
Mowing Speed	Programmable via Wireless Interface (smartphone)
Weight	147kg (no grass basket)

Reels and Blades	
Reel Bearings	Sealed spherical ball bearings
Reel Diameter	127mm
Number of Blades	7 & 11 blades
Blade Material	Hardened, Boron Steel
Cutting Frequency	Variable via programmable App
Reel Motor	1kW continuous; brushless DC/offset gearbox
Reel Speed	Variable via programmable App
Height of Cut	3.5mm - 35mm
Width of Cut	760mm
Bedknife Material	Hardened carbon steel
B.C.D. Position	Adjustable via eccentric mounts
H.O.C. (Front Roller)	Rotatably indexed with visible height gauge
H.O.C. (Rear Roller)	Multi-notched positioning (colour coded)

\*Engine/Generator availability TBD

**+44 (0)114 2122 200**

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Traction and Differential	
Drive Motor	1kW continuous; brushless DC
Voltage	48VDC
Traction Drive	Poly-V Belt/Chain
Operator Presence Control	Bail Handle & OPC
Differential	Externally mounted
Traction Drum	19cm diameter machined aluminium
Brakes	Electronic/Regenerative
Transport Wheels	Pneumatic 11 x 400 - 5
Mowing Speed	Programmable via wireless interface (smartphone)
Weight	165kg (no grass basket)

Reels and Blades	
Reel Bearings	Sealed spherical ball bearings
Reel Diameter	127mm
Number of Blades	7 & 11 blades
Blade Material	Hardened, Boron Steel
Cutting Frequency	Variable via programmable App
Reel Motor	1kW continuous; brushless DC/offset gearbox
Reel Speed	Variable via programmable App
Height of Cut	6mm - 35mm
Width of Cut	860mm
Bedknife Material	Hardened carbon steel
B.C.D. Position	Adjustable via eccentric mounts
H.O.C. (Front Roller)	Rotatably indexed with visible height gauge
H.O.C. (Rear Roller)	Multi-notched positioning (colour coded)

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# TMSYSTEM™

The Ultimate in Turf Grooming, Mowing and Maintenance

**FOR: BOWLS, CRICKET, TENNIS, FOOTBALL, BASEBALL, RUGBY, GOLF GREENS, SPORTSGROUNDS, SCHOOLS & UNIVERSITIES, LOCAL AUTHORITIES**

VERTICUTTING, SHALLOW SOLID TINING, BRUSHING, CLEANING ETC.  
IMPROVES THE HEALTH AND PLAYABILITY OF SPORTS TURF SURFACES

ACHIEVES EXCEPTIONAL OVERALL SURFACE QUALITY AND APPEARANCE

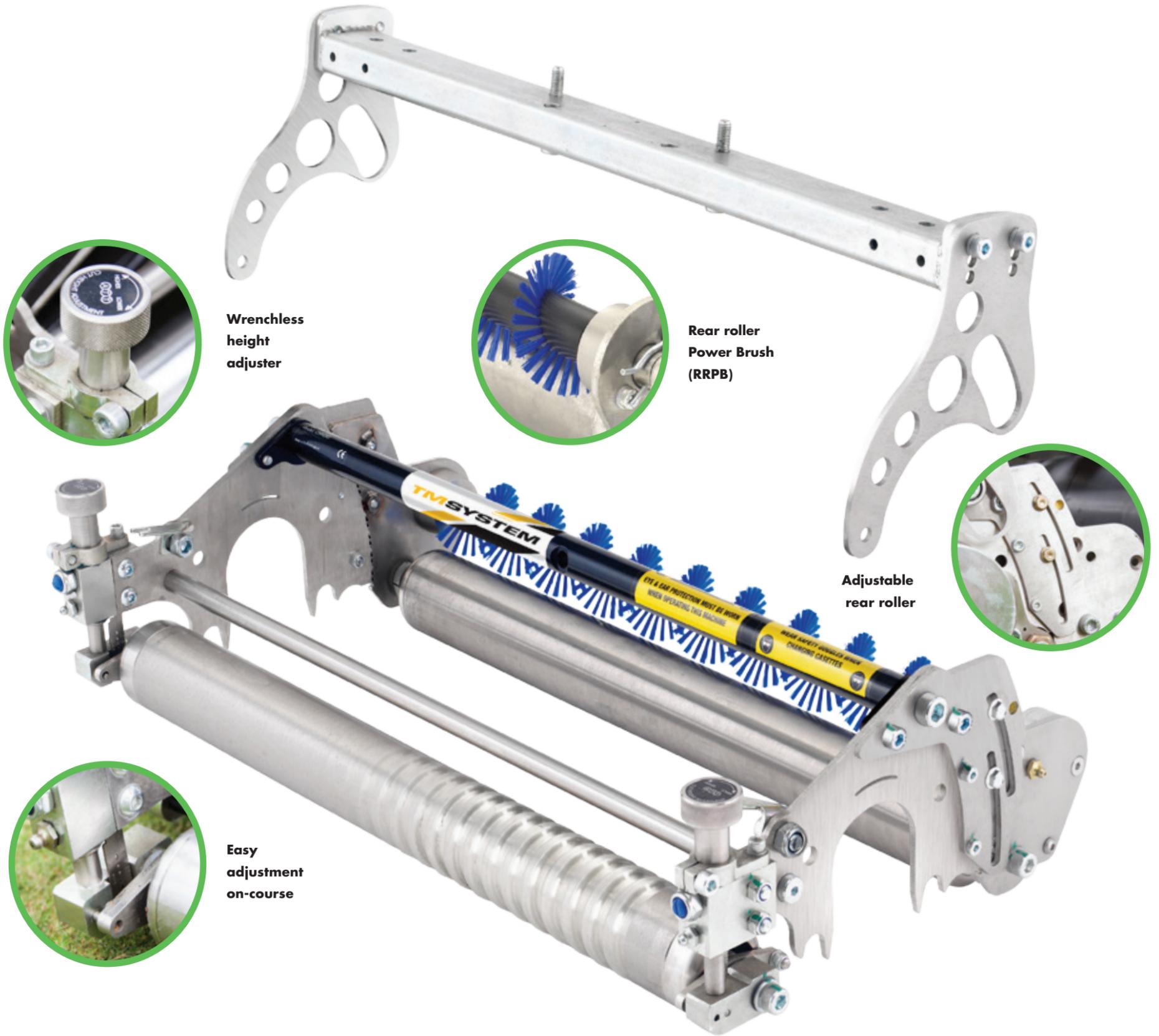
22", 26", 30" & 34" WIDTHS



## Application specific cassettes to replace OEM cutting reels

Using the universal chassis, and appropriate adaptor kit, the TMSYSTEM™ is the only cassette system to transform your triplex greens or lightweight fairway mower into a 'complete' turf maintenance system.

A versatile system to save the need to buy individual machines.



**Wrenchless height adjuster**

**Rear roller Power Brush (RRPB)**

**Adjustable rear roller**

**Easy adjustment on-course**



*INFINICUT® Pedestrian Mowers*



*Sports turf application on modified John Deere 2500*



*5 Gang Fairway Mower*

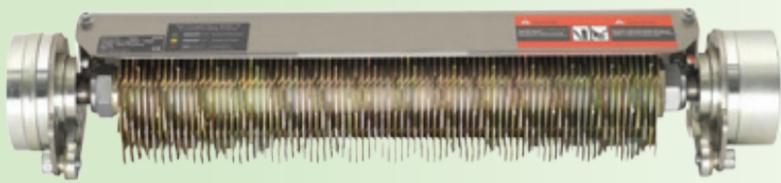
**TMSystem™**

The ultimate system to unlock the full potential of your John Deere, Toro or Jacobsen fairway or triple greens mower into multi-use units for 'Complete Turf Refinement'. To go further, replace all three cutting heads on a JD 2500 with three 30" SMARTCut™ reels to achieve an 85" cutting width dedicated sports turf mower. The kit contains all necessary components to complete the adaptation.

# TMS SYSTEM™

Cassettes for the **Grooming, Mowing** and **Maintenance** of all sports turf surfaces.

## Grooming Cassettes



UltraGroomer™

22" 26"

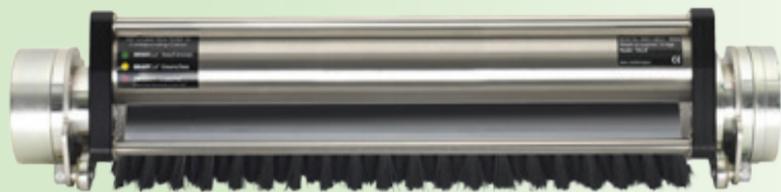
**GROOM** The UltraGroomer™ cassette has over 80 1.3mm tungsten carbide tipped blades spaced at 5mm apart to ensure your greens are maintained in the best condition.



TurfClean™

22" 26" 30" 34"

**HYGIENE** The TurfClean™ cassette is designed to ensure even collection of debris from the surface and also further down into the turf canopy.



SMARTVibe™

22" 26"

**LEVEL** The patented SMARTVibe™ cassette is the only integrated vibratory cassette in the world.



SpringRake™

22" 26" 30" 34"

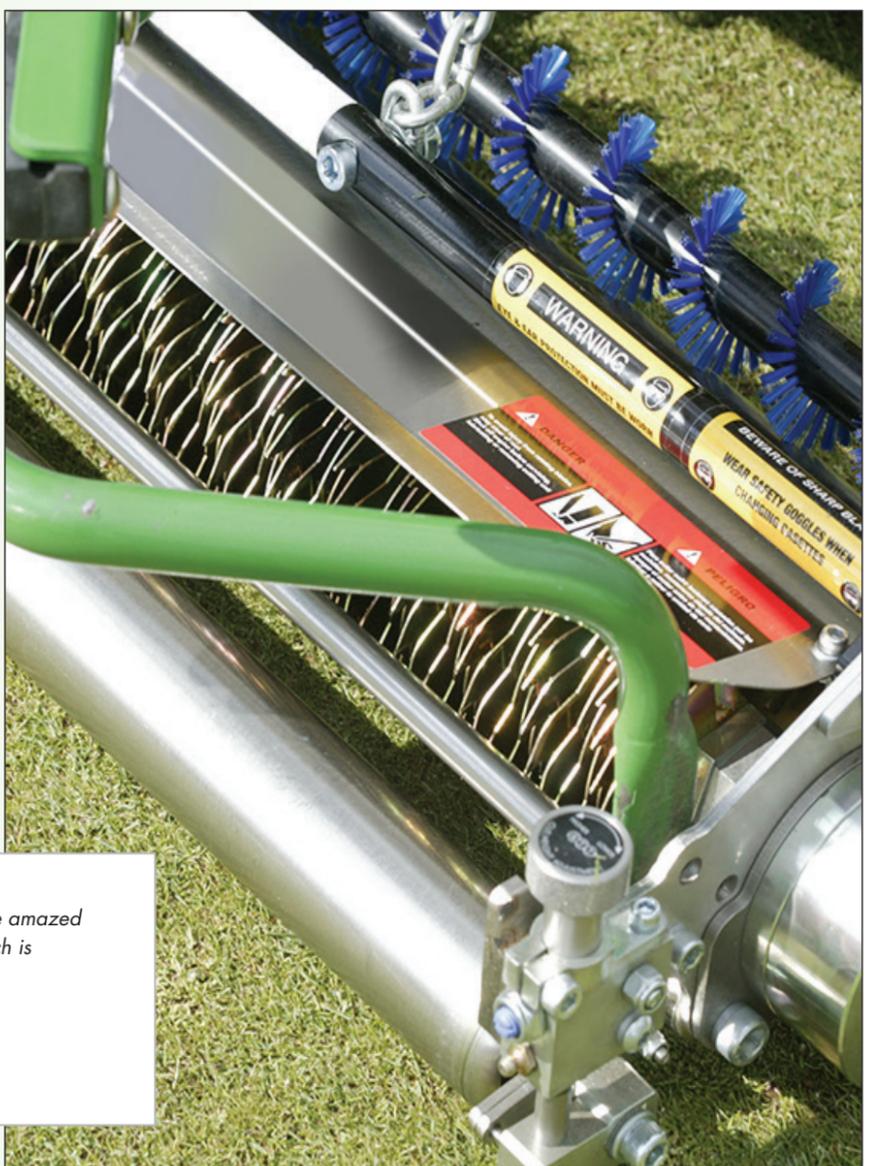
**GROOM** The SpringRake™ cassette is designed for a less aggressive approach to removing organic matter at the base of the plant and is also effective at debris removal.



PowerBrush™

22" 26" 30" 34"

**BRUSH** The PowerBrush™ cassette is designed to ensure even collection of debris throughout the length of the grass catcher, maximizing the volume.



StaticBrush™

22" 26"

**TOP DRESS** The StaticBrush™ cassette is a very effective method of working sand into greens.

### Glamorgan CCC

"We're passing over the square with the UltraGroomer™ every 3-4 weeks and each time are amazed at the amount of debris and organic matter we're taking out – we've now got a square which is clean, carries good pace and encourages strong, healthy plant growth." Robin Saxton

## Mowing Cassettes



SMARTCut™  
7, 11 or 14 blade options



**MOWING** The SMARTCut™ cutting cassette is designed for both Fine Turf & Sports Turf applications and offers unrivalled quality of cut, versatility and ease of maintenance.



SMARTCut™  
with Groomer



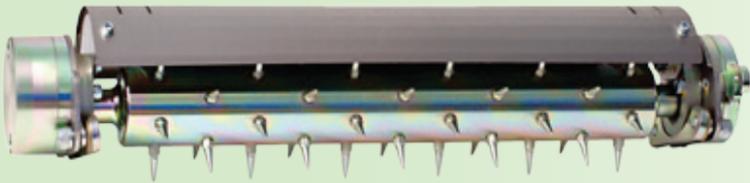
The optional Groomer attachment contra rotates to achieve the maximum effect in alleviating grain and turf density problems.

### Warwick Independent School Foundation

*"Our 34" INFINICUT® is equipped with a 7 blade SMARTCut™ reel which delivers a really superior quality of cut. In a short period of time, it has made a noticeable difference to the health, presentation and quality of our rugby pitch and cricket square."* Duncan Toon



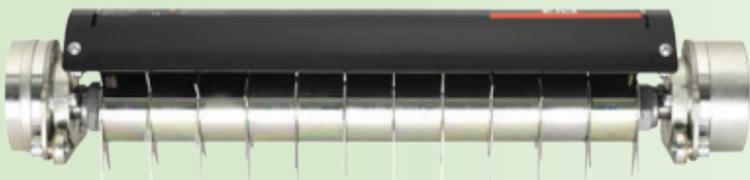
## Maintenance Cassettes



SarelRoller™



**AERATE** The SarelRoller™ cassette, if used regularly, will prevent surface sealing of fine turf resulting from the effects of rolling and air-born silt.



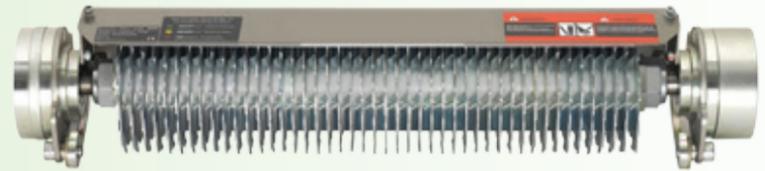
StarSpiker™



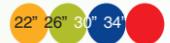
**AERATE** The StarSpiker™ cassette provides an alternative method of reducing surface sealing whilst using the same principles as the Sarel roller.

### Wantage Bowling Club

*"Passing the SarelRoller™ over our green fortnightly keeps the surface open and, used in conjunction with other cassettes from the TMSsystem™, means our green is in better condition than ever."* Dean Gibbons



ThatchMaster™



**DE-THATCH** The ThatchMaster™ cassette is used to prevent thatch accumulation and cut through stolons & rhizomes in fine turf.



RazorCutter™



**DE-THATCH** The RazorCutter™ cassette produces less stress on the grass plant by employing non carbide tipped, laser cut, blades.



Scarifier™



**SCARIFY** The Scarifier™ cassette is the obvious choice for greens that already have thatch at depth.

