



Sports Ground Construction and Maintenance

Landscape Design Contracts are one of the country's leading sports turf contractors specialise in the construction, installation and maintenance of sports pitch surfaces. LDC are highly experienced in providing best value solutions for sports pitch maintenance and construction works at both local and national levels. Based in Bathgate which is ideally situated midway between Glasgow and Edinburgh, projects are regularly completed for local sports clubs, authorities and businesses.

With a large selection of specialist machinery LDC provide sports turf maintenance and sports ground construction services at golf courses, football pitches, cricket pitches, bowling greens, race courses and rugby pitches.

Regular and seasonal sports pitch maintenance includes deep tine aeration, hollow tine, surface removal, overseeding, sand spreading, scarifying, sports turf installation and top dressing.

LDC are installers of high quality, cultivated sports and domestic turf. LDC currently supply sports grounds, landscapers, local authorities, property developers and domestic customers. Sports and lawn turf preparation, installation, and delivery services are all available.

Sports Turf Maintenance

Throughout the year sports turf surfaces endure wear and tear from both excessive use and poor weather conditions, therefore regular and seasonal maintenance is required. This sports turf maintenance can add life to and restore a worn surface providing a high performance all year round and users with the best possible experience.

LDC have 24 years experience in sports ground maintenance and provide an advisory service to ensure the correct course of action is taken and suitable machinery used.

Surface Removal

(Blec Combinator and Koro Field Top Maker)

LDC currently have two surface removal machines, a Blec Combinator and a Koro Field Top Maker, which can be used to koro, strip, fraize mow or remove up to 40mm from a sports turf surface. This technique levels the surface, removes thatch, poa annua and weaker stalks leaving the stronger red stalks of ryegrass to re-grow. The introduction of new seed further improves re-growth.

Usage: Football pitches and cricket wickets.



Laser Grading



The Blec Laser Grader is used during sports field construction and renovation projects. When operated with lasers, you can expect to achieve accurate grading to + or - 3mm. The rear wheels and grading blade are automatically adjusted as the tractor and machine drive over the area, resulting in a precision laser levelled sports field.

Usage: Football and rugby pitches, bowling greens, cricket outfield and racecourses.



Overseeding

Overseeding improves worn surfaces by introducing new cultivars into the sward. Fine-turf disc seeder first creates slits ensuring seed placement below the surface with the rear roller closing these slits; a technique that delivers excellent germination results. A Sisis seeder is available for use before or after top dressing of golf greens. An Amazon drill is also available for virgin seeding.

Usage: Golf course greens, tees, surrounds and fairways, football and rugby pitches, bowling greens and cricket outfield.



Sand Spreading & Rootzone Application

LDC's custom built spreaders are used for sand spreading to level and repair surface irregularities. Rootzone application is usually performed following the Koro's surface removal. The machine can spread up to 90 tonnes per hour.

The Blec sand master combines a groundbreaker and sand slitter. The groundbreaker uses a similar decompaction method to the Earthquake; the slits created by the rotary blades of the ground breaker are widened by coulter tines and immediately filled with sand. This procedure improves drainage and relieves soil compaction.

Usage: Football and rugby pitches and new cricket outfield.



Deep Tine Aeration



We currently have four 1.6m wide Wiedenmann Terra Spike machines available which provide deep tine aeration, vertical draining and soil decompaction resulting in improved surface drainage and root growth. This process is essential in a sports turf maintenance program. Tining depth can be up to 350mm with spacing dependant on the turf grass surface and customer requirements.

Usage: Golf course greens, tees, surrounds and fairways, football and rugby pitches, bowling greens, cricket wickets and race courses.



Earthquake



The 2m wide Earthquake provides rotary decompaction through 24 angled blades. The process improves surface drainage and durability along with air and water movement through the soil. Depth's up to 350mm can be achieved.

Usage: Golf course fairways, football and rugby pitches, bowling greens, cricket wickets and race courses.

Scarifying

LDC offer a number of scarifying options to remove thatch and dead grass resulting in improved drainage and root growth. Thatchaway and verticutting units are available for golf greens and cricket outfields. The Graden can be used on golf greens and cricket squares and finally the Koro Field Top Maker with scarifying reel to scarify and collect larger areas.

Usage: Golf course greens, tees and fairways, football pitches, cricket wickets and outfields.



Top Dressing

Top dressing of golf greens and tees is usually performed after hollow tine and overseeding to true the playing surface and aid new seed germination.

Usage: Golf course greens and tees.



Hollow Tine

Hollow tine and collecting provides aeration and thatch removal which results in improved surface drainage and encourages root growth. Removed cores are refilled with top dressing.

Usage: Golf course greens and tees.



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