

Case Study—Robocut

The best in precision engineering



Gives you the edge

Whether you are tackling steep-sided riverbanks, working close to electric pylons or mowing in restricted areas like railway and road embankments or military complexes, ROBOCUT delivers perfect results.

Challenges

One of the major challenges with maintaining the roadside verges and, in fact, any large scale vegetation management area are steep slopes. These areas are often left untended, sprayed with herbicide or brush cut by hand. There are several problems or issues with each of these options.

If areas are left untended they tend to develop an unsightly look which may be an issue dependant on their location. They also tend to have an increased occurrence of weeds or unwanted vegetation, pest animals such as rats or mice and may increase the fire hazard in an area.

Spraying with herbicide will eventually lead to plant species that are not wanted or bare ground that increases the likelihood of erosion leaving an unsightly area and may increase fire hazard.

Brush cutting steep embankments is a solution to reducing fire hazards, although this can be time consuming and does not always give an even and quality finish to the cut. With safety paramount in all environments, using people on slopes can increase the risk of injury due to the uneven and difficult terrain.

Mows where others can't!

The ROBOCUT was introduced approximately 5 years ago and has provided Centrogen with access to areas which would historically have either been hand cut or poisoned. Areas of steep banks and rough terrain, as well as some wet/damp areas, are ideal for this machine as it is only 1.2 metres wide and fits in areas where larger machines do not.

Centrogen's initial project was for Department of Main Roads on the Townsville Ring Road. This area contains very steep banks and had an untidy appearance. A mixture of low growing species such as Couch grass as well as taller species such as Guinea grass were found in this area. Over time, with regular cutting, the Guinea grass has reduced which has minimised the requirement for treatments.

Areas behind sound barriers are unable to get tractor access due to ground conditions and residential properties. The ROBOCUT has allowed us access to these areas reducing the risk of fire hazard without damaging the environment or gardens that have been planted.

Benefits

- ROBOCUT is tough enough to tackle the most challenging tasks but light enough to mount on a trailer in minutes—perfect for mow and go jobs.
- ROBOCUT's innovative design is built around a low centre of gravity, which makes it ideal for tackling steep sided banks. Through design and technology, the stability of the machine and the safety of the operator has been assured.
- ROBOCUT has been built with quality and longevity in mind, with super strength steel, a tried and tested engine and with a robust and reliable remote-control unit. This gives peace of mind and reliability when working in difficult and remote locations.
- ROBOCUT delivers an exceptional finish thanks to a best-in-class 1.3 metre flailhead and a choice of different flails.
- ROBOCUT has a working range of up to 150 metres, keeping operators out of the danger zone.



Contact Us

For further information regarding the ROBOCUT, please contact our Head Office on (07) 4755 6888.

