

## Application Story

# WHEN YOU NEED TO CUT SLOPES WITHOUT FAIL, CALL **ROBOFLAIL**

The “RoboFlail” remote control mower is made in Germany and has been developed by the innovative KommTek company. KommTek produces the mower based upon a robotic track vehicle that was originally designed by the Niko company for work in vineyards.

The first idea about making the RoboFlail track type robotic mower was sketched out in 2007 and the first prototypes were running by April of 2008.

The mower is made for rough cutting applications like reservoir, canal or railway embankments or in applications where, for environmental reasons, it would be dangerous for an operator to be present. The unit has



*Ogura GT 3.5 PTO Clutch/ Brake*



*Cutting 3 ft. tall brush on steep slope*

twin independent tracks with full zero turn capability. It can mow on inclines of up to 50° and has an operational range of about 1,000 feet. The standard cutting width is 48 inches and the unit can come equipped with standard blades, a flail system or a mulching system. With the remote control, you can start/stop the machine and control direction and speed. It even has a cruise control option. Features like the self-leveling gas tank are important especially when mowing steep slopes.

Since the RoboFlail is designed for cutting in a very rough environment, the components used in the machine have to be of the highest quality. The unit can cut trees up to two inches in diameter requiring significant torque to the cutting blades.

Because of the high torque and high quality requirements of this machine, the Ogura PTO clutch/brake, model GT-3.5 was chosen. The clutch/brake engages/disengages when the switch on the remote control is activated. When the clutch is turning the blades it is delivering over 250 foot pounds of torque. When the clutch is required to disengage, the mechanical brake components in the PTO help to slow the blades to a stop.

The high quality long life bearings provide worry-free operation since RoboFlail can be used in some very remote locations.

*Safe, powerful and effective* is KommTek’s motto and also their customers’ requirement. The Ogura clutch/brake is proud to be part of that motto.

Ogura’s wide variety of lawn and garden clutch/brakes are used every day by people.... as well as robots.●



*RoboFlail in the Alps*