

N173. Remotec's All-Terrain Robots

Robots have been widely recognized as good tools for dose reduction. They can perform high dose jobs in plants without risking human exposure and are generally easy to decontaminate. Robots are limited, though, in the jobs that they can perform. One reason for this has been difficulty in getting over obstacles and through rough terrain.

Remotec's robots have been designed to, among other things, tackle this problem. The ANDROS Mark V-A is the largest, strongest robot made by Remotec. Its treads allow it to cross 24-inch ditches and climb stairs. It carries two video cameras and a two-way audio system. It also has a manipulator arm and is able to turn in place.

This robot can provide large person-rem savings by performing tasks like: listening for steam leaks, visual inspections, reading tags and labels, dose rate surveys, hydroblasting, filter handling, reading gauges, taking smear samples, vacuuming, air sampling, worker surveillance, and decommissioning. Remotec's robots have already been used in nuclear power plants to perform a wide array of tasks with great dose savings.

Taken from "Remotec, Inc. Products as of January 1, 1992." Further information is available from Remotec, 114 Union Valley Rd., Oak Ridge, TN 37830, (615) 483-0228, fax (615) 483-1426.