



# System **assessment**

performed by US Army

TEST and system assessment of the Technical utility performed by US Army Night Vision Laboratory. Voices from the fields are talking about The Cadillac of Mine Clearance Systems.





*The Scanjack 3500 is undergoing tough tests.*

The U.S. ARMY needs improved capabilities and therefore new equipment for Land Mine Clearance. The Countermine Operations that has taken place previously was concentrated on the clearance of safe routes for Combat Vehicles. The issue today were also Peace Keeping and freedom of movement of American soldiers by lighter vehicles and by foot in heavily mined areas are a fact new requirements arise.

#### Joint project

The project was carried out in cooperation with the Native American Industrial Distributors, NAID, and American Defence International, ADI.

In late spring of 2005, Scanjack shipped the mine clearance vehicle, one container that functioned as work shop, one container with spare parts and instructors to the test lab in the U.S. The test objectives were:

- Operational Test Lanes: Observe dispersal pattern of moved AT and AP mine simulants. Demonstrate the likelihood of explosion of fused inert mines. Observe patterns of Scanjack hammer strikes on wax filled metal AT mine simulants.
- Blast Testing: Damage resulting from steel cased AT mine detonated under the first flail.
- Blast Resistant Mine Trials: Assess ability of the system to detonate or destroy double impulse/blast resistant plastic mines.
- Mobility Testing: Assess system mobility based on execution of a vehicle obstacle course.
- Vegetation Cutting Test: Assess the vegetation cutting capability of the system.
- Maintainability/Trainability Assessment: Gain insights into time required for specific maintenance tasks. Assess vendor provided training materials. Assess system trainability.

#### Test report

In the Executive Summary of the Technical Test Report it is determined that "the Scanjack 3500 is a unique design incorporating proven heavy rough terrain log moving technology with double flail. The use of mature technology and a well thought out design make the Scanjack relatively easy to train on, operate

and maintain. This was evident throughout the test and borne out by observation and operator observer feedback. The system operated flawlessly throughout the test with no maintenance failures".

The mine clearing vehicle was also operated by remote control with excellent results.

#### No problems

One of the operators present during the testing was Mr. Sören Andersson from Scanjack.

"We, the personnel as well as the equipment were very well received by the Americans. One person from the Swedish Army trained the future operators while I operated the vehicle and was at hand as technician during all the tests including the remote control operation".

For Mr. Andersson it was just a routine assignment since he has been operating the Scanjack for a number of years in Croatia where he also works as technician. He spent a month in the U.S. in connection with this test and everything went according to plans. There were no surprises and everybody involved was satisfied with the set up and the results according to him.

"The persons who participated in the training program were good. They could handle the machine after just two days and they thought it was really easy to operate".

He hopes that the Americans will consider to purchase the Scanjack, especially now when their NATO ally The Netherlands, has done so and it is approved according to NATO requirements.



*"The Americans could handle the machine in just two days", says Mr. Sören Andersson, Scanjack.*

