

TICK-VAMPIRE DEMILITARIZATION SYSTEM



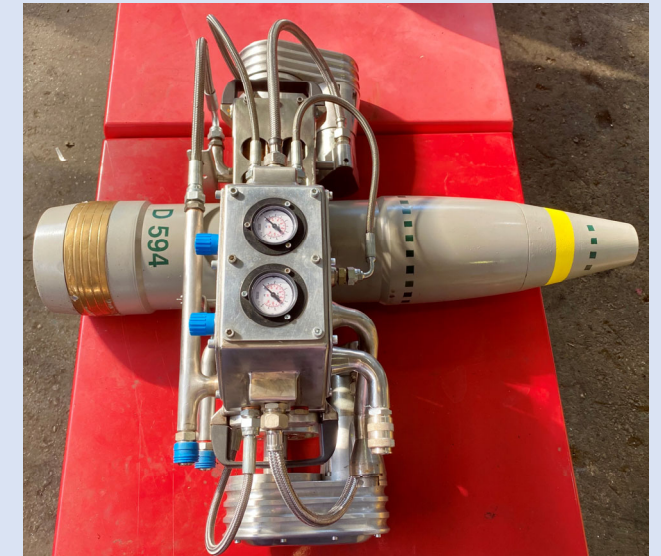
Man-portable chemical weapon demilitarization system

- Entire system can fit in two backpacks
- Total system weight is 30 kg but will be reduced during further development
- Designed to neutralize agent fill of large caliber munition or small container in the field
- One-use system – start and monitor or leave area if needed
- Automatically progresses through seal, access and destruction stages



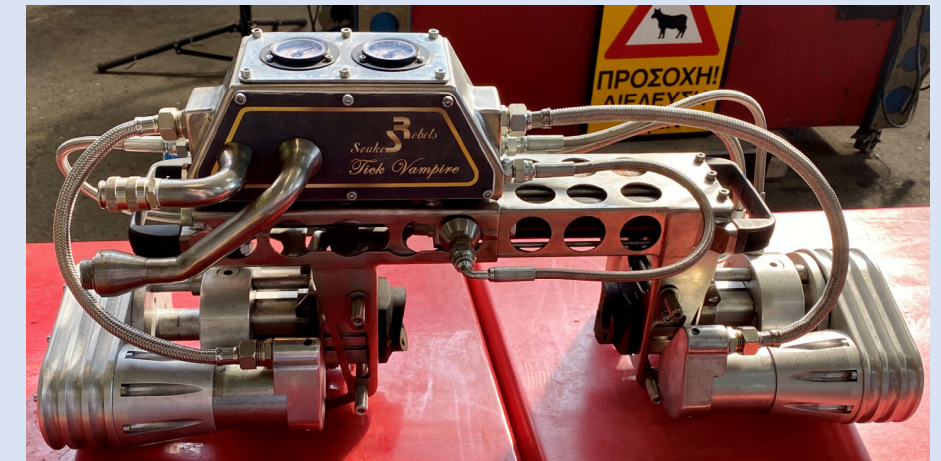
System removed from packs, connections made and placed over munition

- Drill & seal mechanism
- Internal power supply
- Manual controls integrated into second unit
- Adjustable closure mechanism for different sized items



Chemical Destruction

- Reaction vessel charged with solid reagent
- Agent continuously cycled from munition through vessel and back to munition
- 3-hour cycle time
- Seal is mechanical so loss of power does not break seal



Status

- Prototype hardware is complete
- User interface is complete
- Continuing to work on rates of reaction