ATACS

Automated Tactical Ammunition Classification System

Cybernet Systems Corporation, a leader in ammunition characterization and manufacturing automation, created the Automated Tactical Ammunition Classification System (ATACS). The ATACS was developed under a Phase III SBIR effort in close coordination with the Defense Ammunition Center (DAC) in McAlester, Oklahoma, to automatically sort and inspect small arms ammunition with speed, consistency and accuracy.

ATACS uses commercial developments in areas such as automation, machine vision, and state-of-the-art computer control systems to sort and determine serviceable vs. non-serviceable ammunition, while still improving the inspection quality, speed, and expense of the reclamation process.

The small and light-weight ATACS facilitates cost-effective deployment in the field, with the first system designed and built in under 90 days for rapid fielding in the Iraqi field of operation.

Automated Tactical Ammunition
Classification System (ATACS)

Containerized Units for Self-contained Operations

ATACS Specifications:
- Inspection rate exceeds 300 rounds/minute for single round types.
- Inspection rate exceeds 5,000 rounds/hour for mixed round types.
- Sorts and inspects small caliber ammunition up to and including .50 caliber by type and serviceability.
- Inspects chambering dimensions, including length, concentricity, diameter, profile, etc.
- Detects defects and damage, such as dents, perforations, corrosion, and struck/inverted/cocked primers.
- Separates spent brass from live ammunition.
- Identifies foreign or non-standard ammunition through headstamp inspection.

ATACS Benefits:
- Significantly reduces manpower required to handle loose, broken lot ammunition.
- Reclaims serviceable ammunition for training use.
- Field proven technology.
- Field transportable.
- Provides faster, more consistent inspection.

ATACS Variants and Options:
- Spent Brass Sorter, for seperating spent cases from live rounds.
- Containerized units, with self-contained operating space.
- Delivery complete with generator and compressor, allowing operations without reliance on local utilities.
- All systems are customized to end-user requirements.

The ATACS transforms a slow, highly manpower intensive process into a fully-automated process.

- ATACS sorts and inspects:
  - Small caliber ammo up to .50 Cal
  - Spent cases
  - Additional calibers can be supported
- Processes:
  - 300+ rounds/minute (single round type)
  - 5,000+ rounds/hour (mixed round types)
- ATACS is deployed at Camp Arifjan (Kuwait), Fort Irwin, Fort Bragg and Fort Polk.

Tactical Automation: Increasing Soldier Effectiveness with Technology