







GSE CAPABILITIES

 <p>Columbus Jack A TRONAIR COMPANY</p>	<p>VARIABLE HEIGHT TRIPOD JACK P/N 50J25178; HAND-CARRY AXLE JACK P/N CJ67D0250-1; PORTABLE FLOOR CRANE P/N 9319-010 AIRCRAFT JACKS P/N 8704-010, 972-018, 55A6309, 50J5178, 53J6268, 8654-010 JACK TESTERS P/N 7054-020, 7186-010; BEAD BREAKERS P/N 9323-020, 715J1000EX, WHEEL DOLLY P/N 9764-010; RECOVERY SYSTEM P/N 48C7171; FLOOR CRANE P/N 9319-010</p>
	<p>ANTI-G GARMENTS P/N MIL-A-83406</p>
	<p>JOINT COMBINED AIRCREW SYSTEM TESTER (JCAST) P/N 6177100-20</p>
	<p>COUNTERMEASURES DISPENSER SYSTEM; COUNTERMEASURES DISPENSING TEST SETS; MEMORY LOAD VERIFIER; THREAT MATRIX GENERATOR; INTERMEDIATE-LEVEL TESTER; SHOP LEVEL TEST SET</p>

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GSE CAPABILITIES



AIRCRAFT JACKS

MODEL 8704-010
35 TON AXLE JACK
NSN 1730-01-013-4185

MODEL CJ69J1270
12 TON CAPACITY
NSN 1730-00-201-4849

MODEL 53D22020
5 TON CAPACITY
NSN 1730-00-540-2343

MODEL CJ67D0250-1
15 TON CAPACITY
NSN 1730-00-854-2237

MODEL 810D110
25 TON TRIPOD JACK
NSN: 1730-01-182-0231

MODEL 53D22004
10 TON AXLE JACK
NSN: 1730-00-203-4697

RECOVERY SYSTEMS

MODEL 48C7171
11 TON PNEUMATIC LIFTING BAG
NSN 1730-00-263-2962

PORTABLE FLOOR CRANE

MODEL 9319-010
1,500 LB CAPACITY
NSN 3950-01-371-9144

AIRCRAFT JACKS - NOSE

MODEL 55A6309
MANIFOLD KIT
NSN 1730-00-594-1730

MODEL 972-018
12 TON TRIPOD JACK
NSN 1730-01-384-1715

MODEL 50J25178
10 TON TRIPOD JACK
NSN 1730-00-516-2019

BEAD BREAKERS

MODEL 9323-020
30 TON CAPACITY
NSN 4910-00-267-9126

MODEL 715J1000EX
25,200 LBS CAPACITY
NSN 4910-01-267-7191

MODEL 7094-010
25,000 LB CAPACITY
NSN 4910-01-305-7271

JACK TESTERS

MODEL 7054-020
PORTABLE JACK TESTER

MODEL 1013-8000
PORTABLE JACK TESTER

AIRCRAFT JACKS - WINGS

MODEL 53J6268
30 TON TRIPOD JACK
NSN 1730-00-516-2017

MODEL 8654-010
30 TON TRIPOD JACK
NSN 1730-01-068-1126



WHEEL DOLLY

MODEL 9764-010
800 LBS CAPACITY
NSN 1730-00-529-8231



ENGINE TRANSPORTATION

MODEL 5380-010
8,000 LB CAPACITY
NSN 1740-00-061-3039



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ANTI-G GARMENT

G-FORCES MANUFACTURING

G-Forces Manufacturing has produced over 90,000 Anti-G Garments for Air Force and Navy pilots with ZERO failures in field use. These suits are designed to the highest military specifications, conforming to USAF Standard CSU-13B/P and US Navy Standard CSU-15A/P.

The Anti-G Garments have been manufactured with proprietary RF welding systems and sewing techniques since 1992 to the most stringent standards of any sewn military-use product.

US MIL SPEC #MIL-A-83406

NSN

SIZE

8475-00-545-8197	SMALL (REGULAR)
8475-00-545-8204	SMALL (LONG)
8475-00-545-8211	MEDIUM (REGULAR)
8475-00-550-7394	MEDIUM (LONG)
8475-00-545-8221	LARGE (REGULAR)
8475-00-545-8227	LARGE (LONG)
8475-00-545-8248	LARGE (X-LONG)



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JCAST

JOINT COMBINED AIRCREW SYSTEMS TESTER

Chemring
Energetic Devices

The Joint Combined Aircrew Systems Tester (JCAST) integrates several required items of test equipment into a single, portable, rugged, self contained test unit. The JCAST Tester meets or exceeds the USAF testing requirements for today's helmets, masks, Anti-G Garments, associated oxygen connections, and communications systems. This test equipment eliminates the need for high pressure air/oxygen cylinders, hazardous materials, and it will significantly reduce supporting man-hours, deployment costs, and mobility footprint.

FEATURES

- Eliminates the need for multiple test sets
- Easily Upgradeable and Expandable
- Supports Fighters, Fixed, and Rotary Wing ALSE, Pre-flight and Recurring Inspection/Maintenance Requirements
- COMBAT EDGE Equipment Fitting and Testing
- Replaces MQ-1, TTU-529/E, G-Suit Pumps/Devices, MH-2, DMH-1
- Designed for In-Shop, Field and Deployment
- Provides Proper Pressure and Flows to Enable Complete Functional Testing of ALSE
- Provides Power to Test Type EEU-2/P Flashblindness Goggles
- Helmet/Mask Inspection and Troubleshooting
- Mask Microphone, Helmet Earphones and Headset Testing
- Active Noise Reduction (ANR) Headsets
- MMR Flow and Relief Valve Testing
- Easily Aligned to Calibration Standards

JCAST

P/N: 6177100-20

NSN: 4920-01-619-9654



SPECIFICATIONS:

SIZE: 18.9 IN X 28.8 IN X 16 IN

WEIGHT: 125 LBS

POWER: 100-240 OV AC

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ALE-47 COUNTERMEASURES DISPENSER SYSTEM

BAE SYSTEMS

The ALE-47 Airborne Countermeasures Dispenser System identifies and defeats infrared and radio frequency missiles.

The ALE-47 system uses information from integrated electronic warfare sensors such as radar warning receivers and missile warning receivers to determine the correct response to defeat infrared and radio frequency guided missiles. The cockpit crew has complete control of their threat situation by choosing to operate in any of the four modes: automatic, semiautomatic, manual, and bypass.

BENEFITS

- Combat proven
- More than 3,000 systems installed
- Operating in 30 countries
- Integrates with EW sensors
- Interchangeable with obsolete ALE-40/ALE-39 and M-130 systems
- Uses U.S. and NATO standard and new RF and infrared decoys
- Glass cockpit compatible



COCKPIT DISPLAY UNIT



PROGRAMMER



DISPENSER ASSEMBLY



MAGAZINE ASSEMBLY



SAFETY SWITCH

PART NUMBER	DESCRIPTION	NSN
179720-0001	SWITCH, SAFETY	5930-01-333-2196
179750-0001	DISPENSER	5865-01-334-8349
179740-0002	COCKPIT DISPLAY UNIT	5865-01-380-8046
179730-0005	PROGRAMMER	5865-01-437-3371
179730-0006	PROGRAMMER	5865-01-437-3373
179250-0003	SEQUENCER	5865-01-451-2868
179250-0012	SEQUENCER	5865-01-527-2187

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ALE-47 SUPPORT EQUIPMENT

Countermeasures Dispensing Test Sets (CDTS)

- P/N 188100-7001
- Safety requirement for operational use
 - Stray Voltage Testing
- End-to-End System Testing
 - Suitable for Engineering Lab, System Integration Lab, System Troubleshooting, and Flight Line use



CDTS



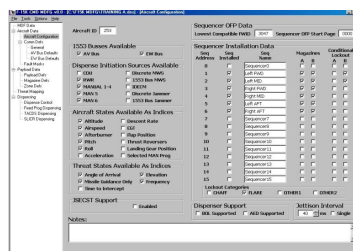
MLV

Memory Load Verifier (MLV)

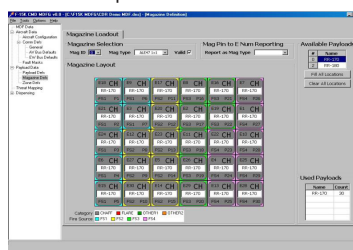
- Loads/Verifies ALE-47 Programmer Software
 - Mission Data File (MDF)
 - Operational Flight Program (OFP)
- MIL-STD-1553 Interface
- Hosted on a Ruggedized COTS computer
 - Suitable for Flightline Use
- Can be combined with TMG on single computer

Threat Matrix Generator (TMG)

- COTS computer configured with BAE Systems proprietary software
- Create and edit Mission Data Files (MDFs) for the ALE-47 Programmer
- Each TMG version supports MDF development for all aircraft with the same ALE-47 Operational Flight Program (OFP)
- Data screens are grouped in a logical manner, promotes ease of use
- Validates values entered are within acceptable ranges



Sample TMG Screens



SLTS

Intermediate-Level Tester

I-level tester is the Shop Level Test Set (SLTS)

- Acceptance Testing and Intermediate Level Testing of ALE-47 Electronic LRUs
 - Same Acceptance Test Procedure (ATP) performed at the OEM
- Identifies faults at the Circuit Card Assembly (CCA) level
- New technology refreshed in 2015
- Year over year contracts for international customers ensures upgrades and availability
- Single SLTS can test all ALE-47 LRUs across multiple platform types

Logistics Support

- Direct Commercial Sales (DCS) arrangement recommended
 - Foreign Military Sales (FMS) not required
- Spares can be positioned at end user facilities
- With SLTS, I-level repairs can be performed in-country
- Spares positioned at BAE Systems OEM factory
- Reduced lead time
- Depot repairs at BAE Systems OEM factory

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