Summer 2015

e-MILITARY productnews FOR AVIATION



airport business

GROUND SUPPORT WORLDWIDE

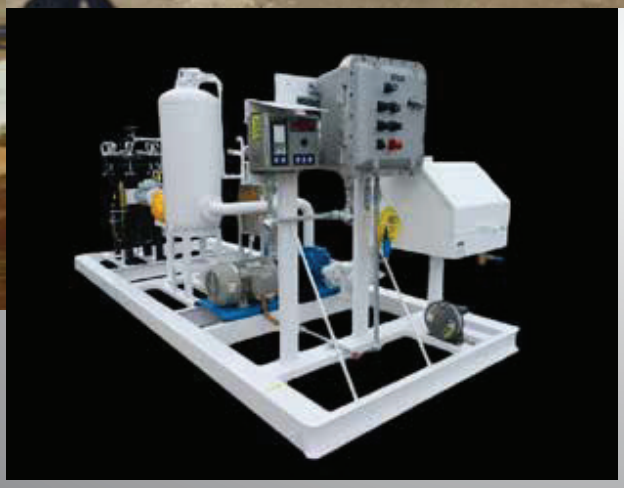
AMT AIRCRAFT MAINTENANCE TECHNOLOGY

Packaged Tank & Fueling Systems





Pantograph Fueling Systems



Fuel Receiving Systems

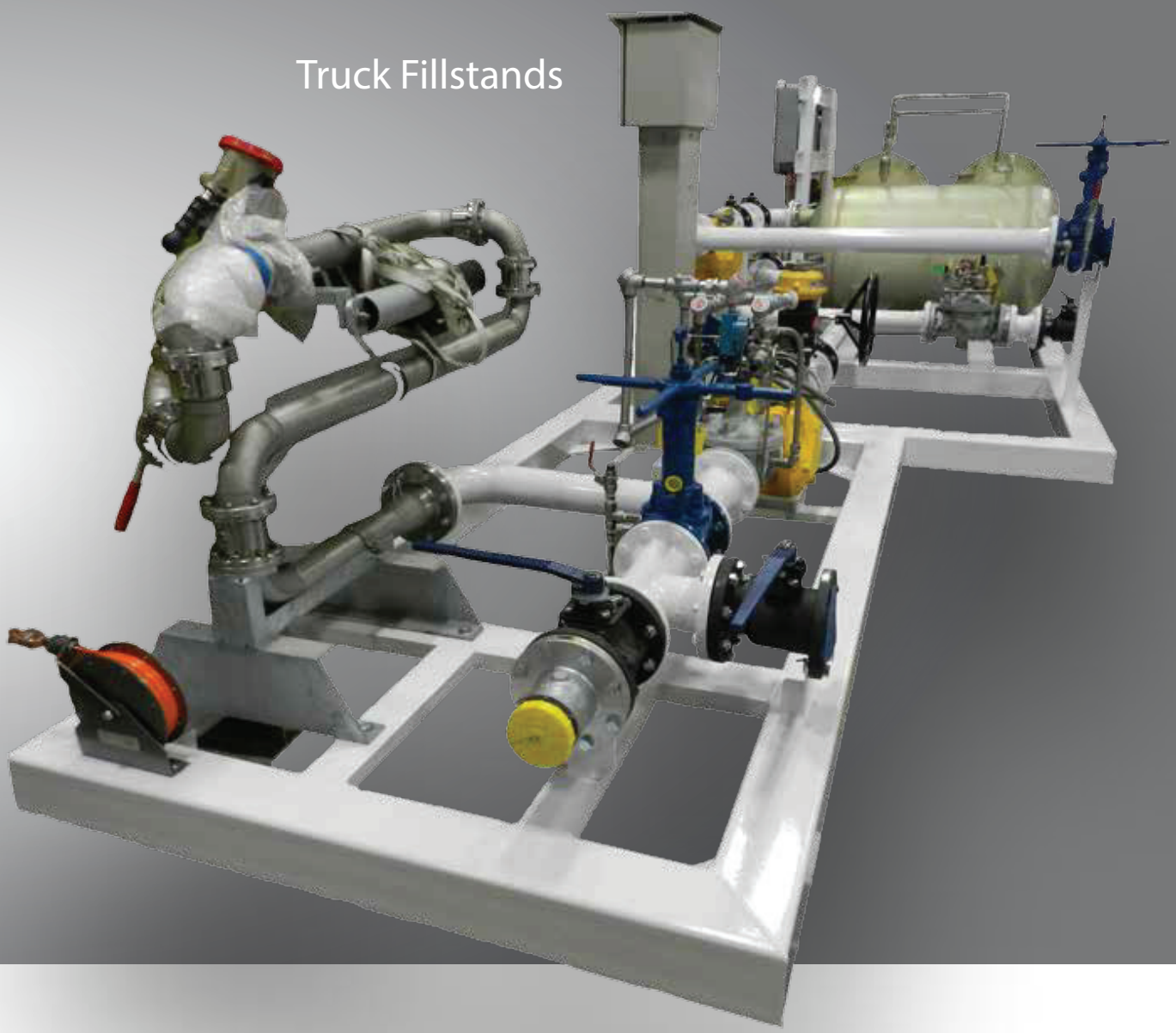
The Difference is Experienc

With over 40 years experience providing the highest quality, most reliabl
solutions in the industry, our custom Military Aircraft Refueling Systems
engineered with one goal in mind -- EXCEED YOUR EXPECTATIONS.

Phone: 443-838-9550
Email: msintl@rcn.com
www.millenniumsystemsintl.com



Truck Fillstands



e

le refueling
(MARS) are

MILLENNIUM SYSTEMS INTERNATIONAL

MARS®

MILITARY AIRCRAFT REFUELING SYSTEMS

PUBLISHER

Brett Ryden – *Aviation Publisher*
847.454.2715 · brett@aviationpros.com

Missy Zingsheim – *Associate Publisher*
920.563.1665 · missy@aviationpros.com

EDITORIAL

Barb Zuehlke – *Editor*
920.563.1641 · barb@AviationPros.com

Alex Wendland– *Editor*
920.563.1644 · alex@AviationPros.com

Ronnie Garrett – *Editor*
920.568.8370 · ronnie@AviationPros.com

SALES

Missy Zingsheim – *National Accounts Manager*
missy@AviationPros.com

Michelle Kohn – *National Accounts Manager*
952.808.3344 · michelle@aviationpros.com

Mike Ringstad – *National Accounts Manager*
920.568.8307 · mike@AviationPros.com

Michelle Scherer - Classified Advertising
920.568.8314 · mscherer@AviationPros.com

Stephanie Painter - International Sales
UK, France, Netherlands, Spain, Ireland, Italy
+44 1634 829386 · Fax +44 1634 281504
stephanie@painter-lowe.com

PRODUCTION & CIRCULATION

Julie Whitty – *Art Director*

Carmen Seeber – *Media Production Rep*
920.568.8373 · carmen.seeber@cygnus.com

Debbie Dumke – *Circulation Manager*

Published by

CYGNUS
BUSINESS MEDIA

Paul Bonaiuto – *CEO, SouthComm*
Chris Farrell – *President, SouthComm*
Curt Pordes – *VP, Production*
Eric Kammerzelt – *VP, Technology*
Ed Wood – *VP, Human Resources*
Blair Johnson – *EVP, Digital & Strategic Business Development*

Published and copyrighted 2015 by Cygnus Business Media, 1233 Janesville Ave., Fort Atkinson, WI 53538 USA.

All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopy, recording or any information storage or retrieval system, without written permission from the publisher.

Subscriptions Policy: Electronic subscriptions are free. Subscribe online at www.AviationPros.com and click on "eMilitary" in the eNewsletter subscription box.

eMilitary Product News for Aviation (ISSN 2151-8084) is published four times per year in Spring, Summer, Fall and Winter.



Feature

6 Increase Thermal Stability and Prevent Engine Coking with Fuel Additive

12 Product Warehouse

Ad Index

Advertiser	Page #
Advanced Torque Products	5
AERO Specialties	10-11
General Electrodynamics Corporation	13
Gradient Lens Corporation	15
Haskel	17
Millennium Systems Intl.	2-3
Myslik, Inc.	9,18

CAGE CODE: 3GWU8

Powerful, Precision Bolting... without External Power

High Precision Digital Torque Wrenches

1% Accuracy
Reduced Calibration

Lightweight
Ergonomic, Small Footprint

Digital Control
Same, Easy Operation for All Wrenches

Combat Ready
Pre-Approved
Just Torque-Up Once and Go



U.S. Army
Boeing CH-47
Chinook



NSN# 4920-01-546-0471
CH-47 forward and aft transmission torque and T-55 engine



NSN# 5120-01-563-5988
CH-47 main rotor torque



NSN# 2840-01-573-5138
Honeywell T55 Engine Tooling Kit
- used with CTW1200-T55 digital torque wrench
- T55 engine #1 gas producer, bevel gear and #4 turbine



NSN# Pending
CH-47 horizontal hinge pin



NSN# 4720-01-577-5648
CH-46 forward and aft transmission torque



NSN# 5210-01-584-0253
CH-46 main rotor torque

U.S. Marines
Boeing CH-46
Sea Knight



Customers include:

U.S. Army • U.S. Navy • U.S. Marines • Pratt & Whitney • Sikorsky • Lockheed Martin • Honeywell

Drop-in replacement for many Powerdyne®† wrenches

ADVANCED TORQUE PRODUCTS

A Veteran Owned Company

www.ADVANCEDTORQUE.com

info@advancedtorque.com / 860.828.1523

201 Christian Lane, Unit A, Berlin, CT 06037

*Patent # 5,203,239 l Patent Pending

†Powerdyne® is a registered trademark of Bidwell Corporation

Increase Thermal Stability and Prevent Engine Coking with Fuel Additive

Operating and support costs dramatically reduced by use of this GE jet fuel additive

BY DON RHULE

Facing governmental cost reductions, as well as the need of private entities to create more efficiencies, the aircraft and aviation industry is navigating through cost-saving options that allow their aircraft to fly more efficiently and, more importantly, to fly safer. Currently, engine manufacturers such as GE, Rolls-Royce, and Honeywell to name a few, are working to meet operating cost pressures that prolong engine-on-wing time, and reduce maintenance time and expenses.

Though at a critical time in today's economy, the need to reduce costs and improve safety are nothing new to the aviation industry. More than three decades ago, the U.S. Armed Forces had the foresight to look at one area of the aircraft they knew could be a hidden gem for their cost-saving and safety imperatives — the jet engine.

Deposits can lead to inefficient turbine engine performance

Jet fuel contains instability precursors that can form color bodies and sediment when the fuel is stressed at high temperatures in fuel systems. Trace amounts of transition metals, like copper and iron, catalyze the sediment forming reactions. Sediments in the form of coking deposits can build up on fuel system components, especially hot fuel nozzles. These deposits can lead to inefficient and erratic engine performance, and ultimately costly and unsafe engine shutdown.

In the late 1980s, the United States Air Force (USAF) took measures to truly understand how to improve this function, especially

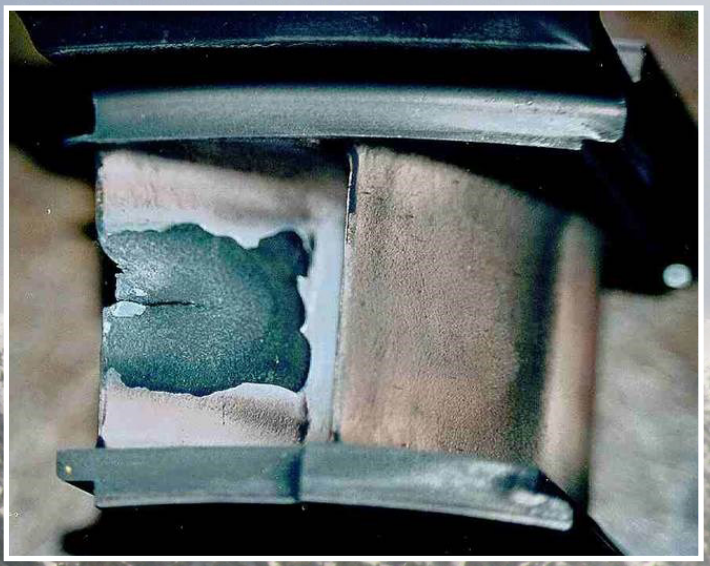
in preparation for new propulsion engines that would run at even a higher-heat load and face a substantial increase in the bulk fuel temperature prior to the point of combustion. In a joint program, the USAF, along with the United States Navy (USN) and industry partners, began investigating alternative fuel solutions. It was imperative they find a way to prevent fuel system coking, especially on the fuel nozzle face, which was a concern with the use of standard jet fuels. The initial required performance goal was 100 F of thermal stability above the then current standard jet fuels.

After several years of research, testing, and trials, it became clear that the most cost-effective solution to combat this issue was through additive technology. Using GE's fuel additive, which was the only one that was able to meet performance goals during these trials, the joint program realized that engines began to run quieter, exhaust flames burned cleaner, and the linings in the afterburner sections became whiter. In short, the engines began to show indications of clean up. In some testing, results were dramatic, with maintenance cost reduced by more than 70 percent. In the end, this fuel additive not only met the high temperature, thermal stability requirement for aircraft, it also provided tangible clean up benefits to the aircraft fleet.

The additive solution

The final-developed GE additive contains an antioxidant to help prevent sediment formation, a metal deactivator to minimize the impact of trace metals, and a revolutionary high temperature dispersant/detergent to prevent deposits from forming on hot fuel system components and to clean up deposits already formed in dirty fuel systems.

In dirty systems, the additive first inhibits reactions that cause carbon and coke buildup as the fuel is thermally stressed. Next, the detergent in the additive begins binding to existing carbon-on-metal surfaces. In the highly turbulent environments of a turbine engine, a cleaning action is created as the additive flows through the system. By minimizing the carbon from forming in the first place, and by reducing the amount of carbon deposition on metal surfaces, engines can operate more efficiently, leading to better operational



Turbine blade damage resulting from distorted fuel nozzle spray pattern.
GE



UNITED STATES ARMED FORCES

USAF maintenance technicians remove a turbine engine from an F 16 for maintenance.

Below: Airmen in Chile prepare to inject the +100 additive into jet fuel as they fill a fuel truck.

Below left: A USAF technician inspects the aft section of a turbine engine at an undisclosed location.





performance — all of which create a positive return on investment.

As a direct result of this investigation and findings, the U.S. Army has been using this additive for more than 15 years for its helicopter fleet at Fort Rucker, AL, which is home to the U.S. Army Aviation Center of Excellence. At this facility alone, operating and support costs were dramatically reduced by more than $5 million per year on maintenance, with a total projected cost savings of $69 million over a 10-year period. In fact, the project has been so successful at Fort Rucker, the team recommended this specific additive be used in all U.S. Army aircraft going forward.

All turbine-powered equipment, including M1 Abrams main battle tanks and aircraft in the commercial sector, can benefit from fuel additives as a way to increase thermal stability and prevent engine coking. For safety of flight considerations, liquid fuel additives must go into solution quickly, be FAA approved where needed, and be approved for use in engines manufactured by the major manufacturers of today, including GE, Pratt & Whitney, Rolls-Royce, Turbomeca, and Honeywell.

Aircraft are a necessity in the world we live in and being able to run them in ways that meet cost and safety parameters will continue to be a major goal for the aviation industry. By partnering with engine and aircraft manufacturers, aviation specialists can benefit from adding additive requirements and maintenance guidelines to engine manuals. ■

DON RHULE *is the global business development leader for GE Water & Process Technologies, and has been with the company for more than 33 years. During this time, Don has held a number of leadership roles within the sales, marketing, and research functions for fuel and hydrocarbon additives. Don spent time at the U.S. Naval Flight School, before pursuing a degree in biology and chemistry from Edinboro State University.* Visit http://bit.ly/GEhelicopter for more info. To determine the potential savings from using GE's fuel additive, visit www.gewater.com/savings-calculator.

NO FOD LEFT BEHIND

Compare the FOD*BOSS to your current FOD removal equipment

1) Performance
2) Speed
3) Easily deployed
4) Easily stored
5) Easily operated
6) Easily emptied

No moving parts-chains, bearing, sprockets, shafts
No replacement bristles

8 ft, 16 ft and 22 ft swept path options available

Compare overall Operational costs: reduction in fuel costs, reduction in operator costs, reduction in maintenance costs: filters, oil, grease, tires, parts, bristles, labor

The FOD*BOSS picks not flicks.
For a demonstration of the FOD*BOSS at your location or peer references of the FOD*BOSS
Please contact us

It is all about: PROVEN PRODUCT PERFORMANCE







KEEP YOUR AOA CLEAN AND SAFE-COST EFFECTIVELY

MYSLIK, INC.
22751 SUNRISE DRIVE
MORRISON, CO 80465

SPECIALIZING IN SNOW, ICE & FOD CONTROL PRODUCTS

GSE vi

If you need it, we have it! AERO has re
for your tarmac and hangar. Make it ea



LAV AND WATER



O^2 | N^2



STAIRS AN

Precision GSE Manufacturing and Global Distrib

AERO Specialties provides complete aircraft ground support equipment solutions (AGSE) to military, FBO, MRO, corporate, airline and general aviation customers worldwide. AERO manufactures and distributes industrial-grade, high-quality new, used and refurbished aircraft GSE.

AERO's OEM-manufactured GSE utilizes technologically advanced parts and materials designed to protect aircraft and onboard equipment. 25-plus years of experience and over 16,000 active customers,

CE

+1 208-378-9888

www.aerospecialties.com

AERO SPECIA
GROUND SUPPOR

la GSA

liable aircraft ground support equipment

asy on yourself and call us the first time.



D STANDS



TOWBARS AND HEADS



GPUs

ution

makes AERO Specialties one of the premier suppliers of aircraft GSE to aviation markets across the globe. The diversity of our catalog and our expertise makes us the preferred GSE supplier in the airframe industry.

AERO's dedication to customer service and industry experience is unmatched. Regardless of your type of operation or global location, AERO Specialties can provide the perfect solution for your ground support equipment and aircraft servicing needs.

ALTIES

RT EQUIPMENT

GSA Contract # GS-30F-0030X
Cage Code 0T652

GSA Contract Holder



Mobile Spill Station

ANDAX INDUSTRIES LLC

The Andax Barrel Pac is the ideal mobile spill station. It has a patented Label-Match-Respond color-coded system. Each barrel is color-coded and comes with matching equipment labels. When a spill occurs, match the equipment label with the Barrel Pac so you have the right sorbents for the job. It has an easy-open level-lock lid and allows one to four responders to contain and clean up a 50-gallon spill. Materials are distributed equally between modular rapid response components contained in a UN/DOT approved drum; all-weather, onsite SPCC plan compliant. Includes sorbents, Sorb-Sox, pillows, gloves, goggles, barrier tape and disposal bags. Oil-selective and Universal sorbencies. For more information visit www.andax.com.

www.aviationpros.com/12079233

Protective Covers



TRISOFT COVERS INC.

Trisoft provides protective covers for all military aircraft worldwide. Its patented crosslink foam covers provide protection for trailing edges, wing tips, prop tips, antenna and more. Ask about its new cover kit for the F-16. Go to www.trisoftcovers.com, click on the military link to receive more information and pricing. Think safe. Think Trisoft.

www.aviationpros.com/11258871



2.8 VOC Epoxy Polyamide Primer

SHERWIN-WILLIAMS AEROSPACE COATINGS

The Sherwin-Williams Company offers an extensive line of primers and topcoats that meet rigorous military specifications. Now the U.S. Naval Air Warfare Center (NAWC) in Patuxent River, MD, has certified the Sherwin-Williams 2.8 VOC Chromated Epoxy Polyamide Primer (CM0724933) to its MIL-PRF-23377K, Type I, Class C2. This durable primer provides excellent chemical, solvent and corrosion resistance as it meets MIL-PRF-23377K, Class C2 composition and performance specification. Designed as an aluminum chromate conversion coating or anodized aluminum, it offers excellent filiform resistance. For more information call (888) 888-5593 or visit www.swaerospace.com.

www.aviationpros.com/12078836



28v DC Power Supplies

CURRENT POWER LLC

Current Power LLC manufactures energy-efficient 28v DC power supplies for corporate, military and commercial customers. The company is known most for its 600- and 400-amp mobile units, which provide 2,000- and 1,200-amp peak starting current, and its exclusive re-connectable input which makes a single model usable around the world, on any 50 or 60 Hz power. The photo shows the company's best selling unit, the MSR-600. The company's newest feature allows the user to precisely set the maximum current limit with the push of a button so that the unit won't allow too much current to be delivered to the aircraft during the starting cycle. For more information visit www.currentpowerllc.com.

www.aviationpros.com/12079230

Airfield FOD Sweeper

F.O.D. CONTROL CORPORATION, THE



Cleaning foreign object debris (FOD) from runways and ramps is a breeze with this compact, efficient, tow-behind, traction-driven, rotary-brush sweeper. It quickly and efficiently collects sand, rocks, metal parts, chipped concrete and other debris, depositing them into removable hoppers that each hold 40 to 60 pounds of FOD. Designed to be operated by one person, the FODBUSTER™ doesn't require extensive training. New operators can familiarize themselves with it in a matter of minutes. While sweeping, you can tow at speeds ranging from 3 to 30 mph (5 to 48 km/h). Since its original development in 1987, the FODBUSTER™ line has evolved with ongoing feedback and input from the U.S. Armed Forces, its largest customer. For more information call (800) 425-8363, email info@fodcontrol.com or visit www.fodcontrol.com/shop/fodbuster-fodsweeper.

www.aviationpros.com/12076498

General Electrodynamics Corporation

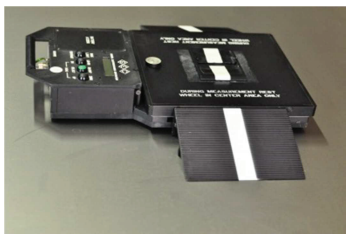
1800-551-6038 or 817-572-0366 or www.gecscales.com

59 Years Later, Still the World's Leader in Portable Aircraft Weighing & Military Vehicle Weighing Equipment

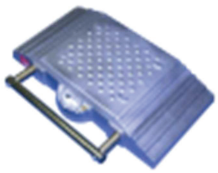
Aircraft and UAV Scales

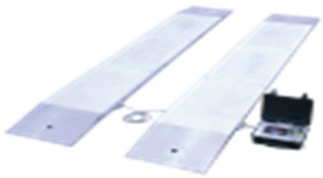
Accuracies Better than Industry Standard of +/- .1% of Weight & 1/10" Center of Gravity

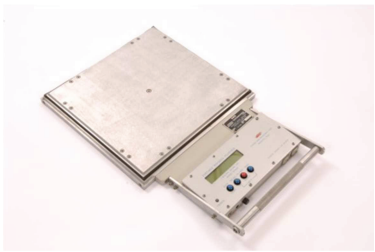




Heavy Military Load Management Weighing Systems & Military Cargo - Center of Balance







Systems with Secure Wireless Comm. to PC, iPad, Android, Tablets & CG Mastermind Devices

Superb Performance: Better than Industry Standard of +/- .1% with Piezo-Electric Sensors for Unmatched Accuracy than Older Outdated Shear-Beam Technology.

Dual Output Converter

ITW GSE MILITARY



The 270v DC/400 Hz Dual Output Converter, manufactured by ITW GSE Military, is the first of its type in the industry. The 270v DC meets the tough requirements for today's most advanced fighter aircraft, such as the F-35 Joint Strike Fighter and the F-22. The Dual Output Converter is UL1012 listed, meets UFGS specifications and also meets and exceeds MIL-STD-704F with the added advantage of individual phase control. The no-break power transfer feature eliminates a power spike when going from APU to GPU. The unique dual output converter is compact, lightweight and quiet. This dual converter is available as an indoor unit or outdoor designed to NEMA 4 protection. For more information visit www.itwgse.us.

www.aviationpros.com/12078843

Battery Augmented GPU

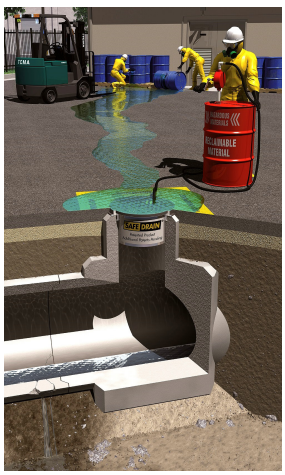
CURRENT POWER LLC

Current Power LLC offers a new battery augmented GPU. This battery cart carries four sealed AGM batteries with a total capacity of 510 amp hours. This will allow the user to run for 18 hours at 25 amps. The unit also has an inverter charger that charges the battery at 30 amps when plugged in to a 220-volt single phase source. For more information call (203) 994-8408 or visit www.currentpowerllc.com.

www.aviationpros.com/12079214

Spill Containment

SAFE DRAIN INC.™



Safe Drain designs, manufactures and installs stainless-steel storm drain 100 percent spill containment inserts for total protection of your facility and the environment. It protects military bases throughout the United States as well as Germany during fueling and deicing operations, hazardous materials spills and as a secondary containment solution for above ground storage facilities. The patented family of products are easily installed in any size or shape storm drain enabling the end user to protect their storm drains from hazardous material spills and storm water pollutants. Easy open and close, 24/7 hydrocarbon and sediment capture, trash control and proven effective EPA compliance with storm water pollution prevention regulations. For more information visit www.safedrainusa.com.

www.aviationpros.com/12079205

Military Grade Premium Lubricants

PHILLIPS 66 LUBRICANTS

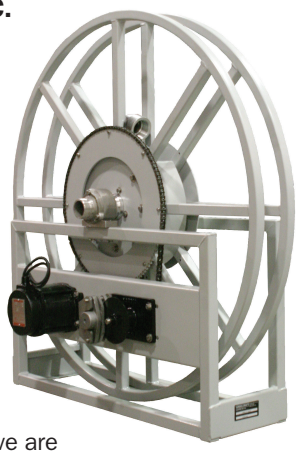


Offering the ultimate protection for military applications, Phillips 66 X/C Aviation Oil is an ashless dispersant, multigrade engine oil specifically formulated for year-round use in aircraft piston engines. It provides superior performance benefits, including easier starting, faster oil circulation at low temperatures, reduced warm-up time, and reduced oil consumption in most engines. Even under high-load conditions, it maintains its high film strength to protect against wear, piston scuffing, rust and corrosion. For more information visit www.phillips66lubricants.com or call the technical hotline at (877) 445-9198.

www.aviationpros.com/12078850

Auto-Rewind Single Wrap Fuel Oil Delivery Reels

REELCRAFT INDUSTRIES INC.



Reelcraft's Nordic Series 6000 single wrap reels feature a convenient automatic rewind for maximum efficiency. The standard frame and spool assembly are of heavy-duty construction and are also available in aluminum for less weight and increased corrosion resistance. Reelcraft's Series 6000 reels feature a 1½-, 2- or 3-inch fluid path for 1- through 3-inch I.D. hose. The chain and sprocket drive are powered by AC or DC electric motor, compressed air motor or hydraulic motor. For additional information call (800) 444-3134 or visit www.reelcraft.com.

www.aviationpros.com/12076484

TPC Wire & Cable Sold to Audax Group

TPC WIRE & CABLE CORP.

TPC Wire & Cable Corp. has been sold by Chicago-based private equity group, Pfingsten Partners to Audax Group of Boston, MA. Headquartered in Macedonia, OH, TPC Wire & Cable is a producer of high performance, high quality wire, cable and connectors used in harsh industrial applications. Founded in 1978, TPC's products serve a broad spectrum of industries including steel, utility, government, oil and gas, nuclear, and transportation. TPC's products outperform and outlast ordinary cable and help reduce downtime from lost production, replacement costs, maintenance, repair and administrative or regulatory challenges caused by failed wire, cables and connectors. For more information visit www.tpcwire.com.

www.aviationpros.com/12079299

Hawkeye® V2 Videoscopes

Fast, Reliable, Affordable, Visual Inspection!



90° Prism & Close-Focus tips available!

- *Sharp, Clear Photos & Video*
- *Large 5-inch LCD Monitor*
- *Easy-to-Use Controls*
- *Annotation Feature*
- *Rugged Tungsten Sheathing*
- *Quality Construction*
- *Precise 4-Way Articulation*
- *Starting at only $8,995*

HAWKEYE® V2

VIDEO BORESCOPES

In stock, ready for overnight delivery!

Hawkeye® V2 Video Borescopes are fully portable, finely constructed, and deliver clear, bright high resolution photos and video! The 5” LCD monitor allows comfortable viewing, and intuitive, easy-to-use controls provide photo and video capture at the touch of a button! V2’s have a wide, 4-way articulation range, and are small, lightweight, and priced starting at only $8995. V2’s are available in both 4 and 6 mm diameters. Optional 90° Prism and Close-Focus adapter tips.

Made in USA



TRY BEFORE YOU BUY!

Gradient Lens Corporation® **800.536.0790** | gradientlens.com/V2



Mobile Converters

UNITRON POWER SYSTEMS

Through an innovative design, built-in test equipment (BITE) and modular construction, Unitron products assure maximum power availability and minimal repair time for the latest military aircraft including the F-22 A Raptor and the JSF F-35A. The PwrKart Series includes lightweight 115/200v AC, 400 Hz, 28v DC, and 270v DC mobile converters for aircraft ground power applications in the hangar or ramp area. For more information visit www.unitronlp.com.

www.aviationpros.com/12079237



Standard Dolly

WASP INC.

The New Standard Dolly offers optimal versatility with transporting containers. Load half pallets, LD-2, LD-3, LD-4 and LD-5 containers, including two LD-2 or LD-3 containers at a time, to accommodate ever-changing workloads. It also takes on 88-by-125-inch (224-by-318-centimeter) and 96-by-125-inch (244-by-318-centimeter) pallets. Due to the many combinations of containers and pallets it can handle, one unit can replace multiple dollies for greater fleet efficiency. And, it can be stacked five high to save shipping costs. For more information visit www.waspinc.com.

www.aviationpros.com/12079173

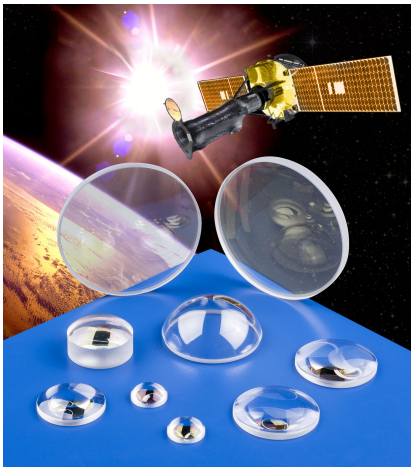


Corrosion Solution

RIVEER COMPANY

The never-ending battle against corrosion has climbed high on the aviation maintenance roster, especially rotary aircraft operating near or over saltwater. The U.S. Department of Defense has regulations specifying weekly or daily aircraft rinses. Riveer, a global leader in aviation washing system, offers the Tactical Rinse System (TRS). It is a self-contained, above grade washing station that rinses aircraft thoroughly during taxi-through. TRS features oscillating water cannons on each of the four corners for a top rinse and patented FOD nozzles in the deck that rinse the underside of the fuselage according to airframe programming. Programmed rinse profiles also assure proper water pressure and cycle time, while rinse patterns are automatically adjusted for wind direction and velocity. Recycling water with TRS saves roughly 520 gallons per minute or 1,500,000 gallons of water every year. For more information visit riveer.com or call (269) 637-1997.

www.aviationpros.com/12081787



Custom Sapphire Optics

Custom-fabricated sapphire lenses, detector windows, and domes that can withstand the rigors of aerospace and high-speed aviation applications are available from Meller Optics Inc. They are impervious to water, most acids, alkalis, abrasion from fast moving dirt and sand, pressures up to 10,000 psi, and temperatures up to 1,000 C. Featuring Moh 9 hardness, they provide up to 85 percent transmission from the UV to IR and can be supplied with various A/R coatings for enhancing transmission to > 99 percent. Custom manufactured from 3/8- to 4-inch diameter. and varying wall thicknesses with 0.001-inch tolerances. They can be supplied as plano-convex and concave, meniscus and dome configurations, with beveled and polished edges. For more information visit www.melleroptics.com.

www.aviationpros.com/12081958

Portable Lithium Ion Starting Unit

STARTPAC

The all-new Start Pac Model Li2800 QC utilizes the latest technology in lithium batteries. These batteries provide the same power as the lead-acid type but are 42 percent lighter and 32 percent smaller. This compact portable lithium ion starting unit is a full 28v DC battery pack and will provide superior starts on all electrically started turbine engines. It has dual, redundant chargers with a total of 7 amps output and a recharge time of approximately four hours. The batteries provide the same power as the lead acid type, but have twice the cycle life and no sulfation issues. This unit is designed for engine starting only. It features 2,400 amps peak current, measures L 19.2 inch x W 7.5 inch x H 9.75 inch, and weighs 46 pounds/20.8 kg with built-in charger and aircraft cable. It is not to be used as an aircraft battery charger. For more information visit www.startpac.com.

www.aviationpros.com/12079162

Safe, Reliable, High-Pressure Equipment and Controls

Easy to maintain, energy saving designs

At the forefront of high-pressure technology - Haskel offers unrivalled high-pressure engineering and application expertise, alongside the most reliable products - to deliver highly engineered solutions.

Delivering safe and reliable performance, time and time again in numerous military applications such as:

- Boiler pressure testing
- Oxygen concentrators
- Argon infrared missile cooling
- Gun recoiling
- Nitrogen charging
- Jacking and lifting



Haskel®
an Accudyne Industries brand

Pressure on Demand

haskel.com

Any sweeper can claim to be as good as The FOD*BOSS. On the flight line it's a bit more difficult.

The all new Phase 3 FOD*BOSS (P3R) friction sweeper is unlike any rotating brush, magnetic bar, or suction sweeper seen before. From its high performance collection capabilities, to its amazing speed and unrivaled efficiency, it is not just the ultimate FOD sweeper, it is the ultimate FOD*BOSS.

The result? A virtually maintenance free tarmac sweeper capable of removing dangerous material such as rocks, metallic or non-metallic objects, luggage hardware and even sand, that has a sweep width up to 22 feet and operates at speeds up to 30 mph in wet or dry conditions.

Put it to the test, ask for a free demonstration or trial one free and see for yourself what separates the truly exceptional from the merely average.



The all new Phase 3 (P3R) FOD*BOSS

The Ultimate FOD Sweeper

MYSLIK, INC.
22751 SUNRISE DRIVE
MORRISON, CO 80465
www.myslikinc.com • 303-810-0521

SPECIALIZING IN SNOW, ICE & FOD CONTROL PRODUCTS