

NOVEMBER 2016

Ground Support

WORLDWIDE

Supporting Aviation from the Ground Up



Allen Energy



David Clark Company, Inc.



Unitron Power Systems

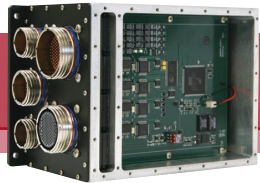
Malabar International



Par-Kan Company



Page Industries



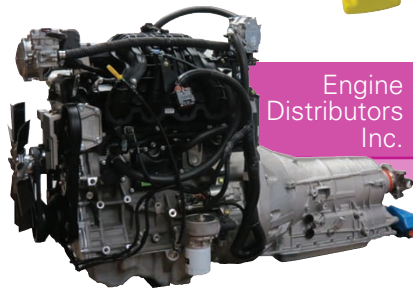
Howell Instruments, Inc.

2016-2017 INDUSTRY SHOWCASE

ITW GSE Hobart



Engine Distributors Inc.



Tronair, Inc.



FAST Global Solutions





Innovations That Work

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- Test jacks for meter verification
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- Supports two resistive load banks
- Dual digital displays
- Six and 12 KVAR Steps
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- Stand alone E&F safety circuit or resistive load bank selectable.

PAGE **Resistive** Load Bank

- 400Hz and 28VDC
- Innovative technology
- Portable with case
- Available features:
 - Digital or Analog
 - USB Connected
 - Lan & WiFi Connected
- Simple to operate and read
- Quiet operation ≤65 db



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05 Editor's Note

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Don't Be Fooled

Ground Support Worldwide is dedicated to the GSE industry and everyone involved, and we will continue to be - just like we have for almost 25 years.

I am pretty sure that my head is still spinning from the GSE Expo this year. It was a great event and it felt right this year. There was a ton of exhibitors and a ton of attendees. Everyone was busy - I attempted to walk around in the indoor booth area on Tuesday, but it was standing room only.

I always find myself saying that the ground support industry is a niche within a niche market, but putting on a GSE ONLY event makes me feel proud that our little niche contributes so much to aviation.

Because we were a GSE ONLY show, this year we did have to turn companies away, as aligning the industry with companies and products that will help them in their day-to-day tasks was the main objective. The same can be said about *Ground Support Worldwide* magazine - we align our editorial and digital products so that they will help the industry with daily operations.

Don't be fooled, there are many out there that would like to tell you that they talk about GSE and operations. But if you are not truly dedicated

to all aspects of the industry, it is a hard claim to swallow. There is a certain amount of credibility and longevity, and ultimately the publication's readership, that proves its dedication to a niche market like ground support.

Ground Support Worldwide is dedicated to the GSE industry and everyone involved, and we will continue to be - just like we have for almost 25 years. Did I forget to mention, 2017 will mark 25 years for *Ground Support Worldwide*?

As always thank you for reading,

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▶ EUROPEAN DOLLY

FAST Global Solutions

FAST Global Solutions, formerly known as WASP Inc., offers a side-tow European Dolly. The innovative transporter features a patent-pending pivoting front towbar designed to increase safety and maneuverability. FAST engineers incorporated a foot-activated, quick-release mechanism that unlocks the towbar, allowing it to pivot right or left to connect to a tug or another dolly.

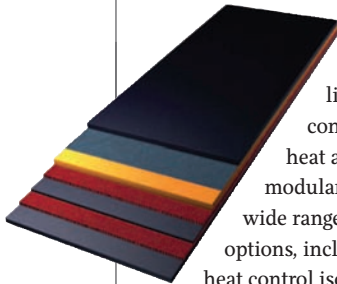
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▶ CONTIFLEX VULKAN CONVEYOR BELTING

Continental ContiTech

Continental has introduced a newly developed modular system to control hot materials for ContiFlex Vulkan, a line of Heritage conveyor belting for heat applications. The modular system offers a wide range of construction options, including an exclusive heat control isolation layer as well as either glass fiber (GF) or basalt fiber (BF) layers for burn through protection. ContiFlex Vulkan is available in a modular system where the customer can select the best ContiTech Heritage technology for the application. The belts are available in widths up to 126 inches with a broad portfolio of belt constructions. Tensile strengths range from 220piw to 2,000piw and cover thickness can be selected to match given applications.



AviationPros.com/12259373

▶ COMMANDER HD

Colson Caster Corporation

The Commander HD is designed to perform in some of the most abusive applications and environments where high-load requirements and impact resistance are a must. The wheels are machined, not injection-molded, which provides resilience and impact strength. The wheel features a slightly crowned tread profile, rolls easily and provides better floor protection than other high capacity wheels, such as steel, iron or phenolic.

AviationPros.com/10921735



▶ CARGO RESTRAINT PRODUCTS

Cargo Systems Inc.

Cargo Systems provides a full line of cargo restraint products. If a mil-spec strap, tie-downs, fittings or attachment hardware is needed, Cargo Systems keeps hundreds of parts in stock. If a custom-designed cargo restraint system is needed for an aircraft or ground vehicle, the company can assist with that as well. It has engineering capabilities, and a production team that can design and produce something to meet most needs within days.

AviationPros.com/11117483



▶ HUDSON AIR CARGO BEARINGS

Hudson Bearings

Hudson Bearings offers several varieties of lightweight aluminum body ball transfers for material handling on board aircraft as well as an extensive line of stainless steel ball transfers for wet/outdoor environments. Zinc-nickel plating is also offered for corrosion resistance. These items are made in the USA.

AviationPros.com/12091371

▶ BAGGAGE CARTS

Par-Kan Company

Par-Kan Company offers both open and covered baggage carts, available in 4,000-, 5,000- and 8,000-pound capacities. Additional features include fifth wheel steering; towbar activated braking system; pneumatic or solid tire options; fixed or torsion axles options; curtains and tarp systems; knock down cart options available for sea container shipments; and a powdercoat finish.

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▶ COMMANDER CARGO LOADERS

JBT AeroTech, Jetway Systems

JBT AeroTech offers a range of cargo loaders capable of servicing lower and main deck cargo. All Commander Cargo Loaders use the HeliRoll conveyor system. A PLC-based electrical system and swing-out power model provide quick access for maintenance servicing. JBT's cargo loaders are available in a wide variety of sizes and configurations and have load ranges of 8,000 to 60,000 pounds.

AviationPros.com/10024639



▶ BAGGAGE CART ROTISSERIE

Merrick Machine

The Baggage Cart Rotisserie, the newest item in the Merrick Originals line, offers the ability to rotate the cart safely and easily to a comfortable work position, making repairs easier and faster. Merrick Machine is fourth-generation family-owned and operated and has been serving the Aviation, Industrial and Automotive industries since 1959. The Baggage Cart Rotisserie is manufactured at company headquarters in Alda, Nebraska. The company also manufactures a line of tarmac dollies for airplanes and helicopters.

AviationPros.com/12261029

▶ BAGGAGE UNLOADER

BEUMER Group

The Baggage Unloader from BEUMER Group transfers bags from a container onto a conveying line in the airport, allowing operators to slide bags onto the conveyor rather than lifting them. This technique reduces the risks of operator injury and damage to baggage. The company says it also enables faster, more efficient unloading of unit load devices (ULDs).



AviationPros.com/12125683

▶ POWDERCOATED CASTERS

RWM Casters

Powdercoat, which replaces a conventional paint process, offers not only a tremendous visual appeal but also serves to better protect from the elements, according to the company. This means longer lasting casters, less maintenance, less long-term investment, and less time worrying about casters.



AviationPros.com/12055123



▶ 100 CARGO TRACTOR

NMC-Wollard Inc.

This tractor has 8,000 to 12,000 lbs. DBP ratings. The 100 tow tractor has proven itself in many airline and service company applications. Features include heavy-duty planetary reduction drive axle, dual drive wheels, automatic transmission and many other. Model 100 can be powered with gas, Diesel, LPG or CNG.

AviationPros.com/12228912



▶ STACK@EASE

Vanderlande Industries, Inc.

STACK@EASE can double the performance of handlers making up flights (any type cart and/or containers) without impacting the way of working, the company says. By making any baggage item weightless for the handlers it takes away any restriction for lifting. By introducing no restrictions within the freedom of movement, the current natural, intuitive and parabolic ways of working remains intact.

AviationPros.com/11245390

▶ CONVEYOR BELTING

Thermoid, Inc.

Thermoid PACK-EZ S/Weave conveyor belting is approved for all major package handling companies. Especially suited for slider bed systems, these belts are built to resist abrasion, stretching and fire.

AviationPros.com/11191802



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HOBART
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▶ **NOVA BAGGAGE LIFT**
U.S. Applied Mechanics Inc.

The NBL is a bridge-mounted vertical conveyor for moving heavy loads up to 500 pounds to and from the passenger boarding bridge. It quickly handles overflow baggage situations and allows motorized wheelchairs to be raised or lowered within 15 seconds. Approved for installation by major PBB manufacturers.

AviationPros.com/10726163



▶ **AIRCRAFT CARGO LOADERS**
Trepel Airport Equipment GmbH

Trepel Airport Equipment designs and manufactures a complete range of commercial aircraft cargo loaders, with lift capacities from 3.5 tons up to 30 tons. Trepel loaders benefit from a simple, yet rugged and reliable design, with low maintenance and repair costs providing attractive long-term life cycle costs for your cargo handling operations.

AviationPros.com/10024634

▶ **FIRE-RESISTANT CARGO CONTAINERS**
AAR Corp.

AAR offers a Nordisk ULD design, which during testing was proven to contain a fire for up to six hours. Partnering with DuPont, AAR was able to replace traditional construction with innovative materials for a unit that is lighter than any similar product on the market.

AviationPros.com/11135441



▶ **BAGGAGE BUMPERS**
American Permalight Inc.

Permalight foamy, cushioned safety bumper guards are made of durable, recyclable polyurethane foam and are easy to install on conveyor belts, racks, shelves, columns, protrusions and sharp corners. They help prevent employee injury from bumping into obstacles and avoid costly equipment damages. The bright yellow-black foam bumpers are 39-inch standard length with a few shapes also available in 16-foot rolls.

AviationPros.com/12044048



▶ **BAGGAGE CHUTE**
Page Industries

Page offers the P6000 which utilizes modern manufacturing techniques and materials. The P6000 is the best and most advanced method for transferring passenger luggage to the tarmac while being the easiest to install and maintain.

AviationPros.com/12020664



▶ **CARGO TRAILER**
Clyde Machines Inc.

The 15F2862 15,000-pound capacity trailer has a new recessed frame to protect customer markings. This Covered Pallet Trailer will hold LD 1, 2, 3, 4, 7 and 8 containers, or 88-inch x 125-inch, 96-inch x 125-inch and 88-inch x 108-inch pallets. Also in the protection package are protected cross members for the casters and side pockets for the rollers.

AviationPros.com/10812444



▶ **BALL TRANSFER UNITS**
Always Engineering Limited

Always Engineering has further developed the quietness of its 807 Air Cargo Ball Transfer. According to Always Engineering, this unit has received acceptance from a number of international companies.

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▶ CBL2000E

Charlotte of America

This AC powered 80V full-size electric belt loader provides a 25 foot conveyor. It features a Direct Drive belt system with flush-mounted weather-proof controls, and the majority of its components are compatible with the T137 tractor.

AviationPros.com/10027110



▶ POWER STOW ROLLERTRACK SYSTEM

Power Stow Americas, Inc.

Power Stow Rollertrack is a belt loader extension that provides smarter working conditions. The solution is ground based, reduces body injuries by 50% and provides 30% faster turnaround times with fewer resources, according to the company. Combined with low maintenance costs, the Power Stow solution gives an attractive return on investment.

AviationPros.com/10300843

▶ CARGO HANDLING BTUS

Air Spares Inc.

Ball transfer units provided by Air Spares have been in use for many years under their original name Transact International. These units are designed to support heavy loads over typical ball deck units. Individual load carrying capability of each BTU is 500 pounds. The design and development of these BTUs have evolved over many years beginning with Transact International and continues with Air Spares, Inc. responding to industry demands.

AviationPros.com/10176942



▶ FR 700 RIPSTOP BAG CART CURTAINS

Estex Manufacturing Co. Inc.

Two times the durability of traditional bag cart curtains drastically increases the life of Estex Manufacturing's FR700 Ripstop curtains, while decreasing the repair/replacement expense and labor cost, the company says. The material prevents punctures from spreading and provides handlers the opportunity to repair the curtain puncture as opposed to being replaced like traditional curtains.



AviationPros.com/12242564

▶ 7700 CASTER SERIES

Hamilton

Hamilton's 7700 Caster Series is a line of dual-wheel solid pneumatic casters designed to cushion loads while providing a carrying capacity up to 8400 lbs. per caster. These casters also provide greater stability due to their wider stance. All models have drop forged steel mounting plates and CNC machined raceways. Available in six wheel diameters from 10" x 4" to 21" x 6", all wheels are equipped with 1" or 1 1/4" precision tapered roller bearings making them well suited for power-towed applications. The 7700 Caster Series can be optioned with permanently welded four position swivel lock and a heavy duty contact brake. The series is backed by Hamilton's three-year product warranty.

AviationPros.com/11409989



▶ BAGGAGE CART

R.J. Design LLC

This design of baggage carts includes a dead man switch on rear and a floor stop brake on front. The lightweight aluminum holds 500 pounds on top shelf, and the cart's width holds two bags deep.

AviationPros.com/11192254



▶ BAG LIFT

Austral Star LLC

The Bag Lift provides the solution passenger gate congestion caused by oversized carry on bags. It can be mounted to a PBB rotunda, walkway or into the terminal. The integral Bag Cart is loaded by passengers at terminal level and then unloaded by workers on the ramp.

AviationPros.com/11486725





A Great Ground Support Team Starts with Reliable Equipment



**LAV
SERVICE**



**PALLET
DOLLY**



REFUSE



**POTABLE
WATER**



LUGGAGE



FUELING

Your world demands strength, quality, and service in which you can depend on and trust each and every day. Par-Kan understands that your customer's experience starts with what happens on the ground and assures them timely departures and arrivals.

Par-Kan is continuously improving its products in order to satisfy a constantly changing world and an increased demand in ground support equipment performance. You can count on Par-Kan to deliver quality products on time out of one of our five manufacturing facilities across North America.

► **PNX-PV120
PROVISIONING VAN**
Phoenix Metal Products

The Phoenix PV120 Provisioning Van is a self-contained vehicle that can service aircraft with a door height from 98 inches to 108 inches. The van body is fixed with an elevating platform. A parallelogram stair makes a safe transition between the van body and platform.



AviationPros.com/10026497



► **CATERING/CABIN
SERVICE TRUCKS**
Global Ground Support

Catering/Cabin Service Trucks are available in 18-foot wide body, 22-foot wide body, 16-foot narrow body and 14-foot narrow body. RJ 1/2 cab service is also available.

AviationPros.com/10026400

► **CL-DC3 REGIONAL
CATERING TRUCK**
Charlatte of America

The CL-DC3 Regional Catering Truck is available from Charlatte of America, Inc. The vehicle utilizes a GSE Grade Charlatte DC3 chassis, and features aluminium lined and insulated catering cabin with roll-up doors; customer-specified shelving; and front and rear 1,500-lb. capacity lift platforms.



AviationPros.com/10133035



► **ECAT CATERING TRUCK**
DOLL Fahrzeugbau AG

The ecate is powered by emission-free electric engines whose energy is supplied by high-performance batteries, which can be charged anytime at the ramp. In this way, CO² emissions are reduced to zero and the energy consumption as well as noise pollution decrease considerably. Furthermore, a more efficient energy carrier and low motor maintenance requirements contribute to lowering operating costs and to increasing the vehicle's efficiency. The driving innovation is completed by a novel intelligent driving assistance, which is characterized by warning and safety systems minimizing downtime as well as maintenance costs. The ecate was realized in close cooperation with the DOLL partners Gate Gourmet, a subsidiary of gategourmet, and German E-Cars.

AviationPros.com/11245336

► **CATERING TRUCK**
Stinar Corporation

Stinar Corporation offers its HLCA-722 Catering Truck that services aircraft from 98 to 228 inches and features a 22-ft. van body; four vertical stabilizers; front and rear roll-up doors; aluminum diamond plate floor; and many options available including refrigeration.

AviationPros.com/10024780



► **FLIGHT CATERING HI-LIFT**
Nandan GSE Pvt. Ltd.

Flight kitchens around the Indian subcontinent have come to depend on Nandan to provide Hi-Lifts (Catering Truck High Loader or Food Loader Truck). A wide variety of chassis, designs, ancillary features, customization and functionality have led to popularity of the Hi-Lift. Features of the Hi-Lift include: Ergonomic control systems, Full cabin (2,700 to 600 mm), Chassis (16 ton GVW or 11 ton GVW), Half Cabin (1,600 to 6,000 mm) with insulated or non-insulated bodies and FRP bodies. Customized services are available, depending upon the specifications of a client, with the help of four popular catering models: Catering Petite, Catering Superstar, Catering Champ and Catering Titan.

AviationPros.com/10027554





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▶ **GS SERIES DEICERS**
Ground Support Specialist LLC

GSS manufactures the GS Series 800- and 1,400-gallon deicers on a purpose-built chassis powered by a single engine. The GS Series Deicers are designed for use on a wide range of aircraft. The 1,400-gallon deicers are available with an enclosed basket with or without forced air.



AviationPros.com/10441109

▶ **NARROW-BODY DEICER**
Premier - Textron GSE

Since 1992, the MT35P75 Express Heat deicer has been the industry standard in low-cost, narrow-body deicing for regional/commuter airlines.

AviationPros.com/10290550



▶ **DEICING TRAINING SIMULATOR**

Global Ground Support

Global Ground Supports' full-featured deicing simulator allows the user to deice and anti-ice different aircraft under a wide range of weather conditions. Two joysticks control all boom, cab and nozzle movements with the exact speed and commands as the actual Global enclosed cab controls.

AviationPros.com/10026912



▶ **TKS FLUID CART**
Alberth Aviation

Alberth Aviation designed this cart for clean transfer of TKS deice fluid from holding tanks and drums to the aircraft. It includes all hoses, 12-volt battery and charger, 4.5 gpm pump and 30-gallon tank.

AviationPros.com/12012896



▶ **DEICING NOZZLES**
US Airmotive GSE

U.S. Airmotive GSE is proud to be a distributor of deicing nozzles manufactured by Task Force Tips. A single nozzle can be used in two steps to both deice and anti-ice aircraft. The operator simply selects the desired fluid delivery system pressure, and the nozzle responds automatically. TFT backs its nozzles with a five-year warranty.

AviationPros.com/10724697

▶ **POLAR GUARD ADVANCE**
Cryotech Deicing Technology

Cryotech Polar Guard Advance is an AMS 1428 certified, military approved, propylene glycol based Type IV aircraft deicing/anti-icing fluid. Manufactured in the United States, Polar Guard Advance has the lowest LOU_T in the industry at -22.9 F (-30.5 C), with long holdover times in all conditions, and low viscosity for easier handling. Cryotech's technical team is experienced in transitions and available to assist with any additional product questions. Cryotech is an ISO 9001:2008 and 14001:2004 certified company.

AviationPros.com/11323689



▶ **DEICER EQUIPMENT: ONE SOURCE, COMPREHENSIVE SELECTION**

Sage Parts

Sage Parts is a one-stop source for deicer parts. Its extensive range of top branded products includes but is not limited to the high capacity and self-priming Hardi Deicer Pump 463 and the industry-standard Task Force Tips Ice Control Nozzle with pistol grip. Also available from Sage are top quality David Clark Headsets and remote station control, as well as the Sootomagic Soot Stick.

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WING ARMOR ANTI-ICING SYSTEM

Leading Edge Deicing Specialists

The Wing Armor anti-icing system tracks the amount of fluid dispensed to prevent over-spray. Two Turbo XL digital meters on the unit accurately measure the anti-icing fluid sprayed from each gun. The pressurized system applies fluid with dual application guns with dual meters, ensuring even application on both wings and allowing crews to spray both wings simultaneously. The system offers a low profile that enables it to fit underneath the wings of most business jets. The unit, which weighs less than 1,000 pounds when full of fluid, also features a tow bar so that it can be hooked up to a tug and moved around.



AviationPros.com/12081513

DEICETROL Liquid Automation Systems (LAS-USA)

The DeiceTrol wireless deice truck telemetry and pad management system provides service dispatching to trucks and automatic capture of all required service data. The system also wirelessly consolidates data for reporting and invoicing; tracks operator training and performance; and exports data to any third party software.



AviationPros.com/11195350

ICE CONTROL NOZZLES

Task Force Tips Inc.

Task Force Tips Ice Control Nozzles have been specifically designed to apply water-, glycol-, or water/glycol-based deicing and anti-icing fluids to aircraft exterior surfaces at fluid temperatures up to 210 degrees F (99 degrees C). The proper use of deicing and anti-icing agents aids ground-support professionals in the removal of frozen precipitation from aircraft fuselage, landing gear, and wing surfaces and helps prevent ice and snow from adhering to the wings of aircraft.

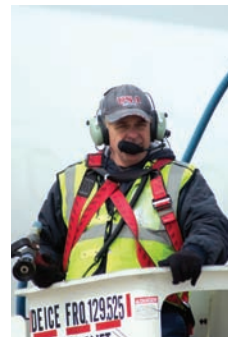


AviationPros.com/10441669

WIRELESS COMMUNICATION SYSTEMS FOR DEICING OPERATIONS

David Clark Company Inc.

The Series 9900 Wireless Headset Communication system for deicing and anti-icing operations allows hands-free communication between the driver and bucket in real time. Wireless components are housed in water-tight enclosures. Systems can accommodate communication through a mobile radio and for deicing vehicles that do not utilize two-way radios.



AviationPros.com/12078196



GLYVAC GLYCOL RECOVERY VEHICLE

Inland Technologies International Ltd.

Inland's Glyvac glycol recovery vehicle offers fast clean up of spent aircraft deicing fluid, reducing environmental impacts while offering 45 percent greater fuel economy over similar models. It is capable of quick offloading of up to 1,800 gal/6,800 L in less than 10 minutes. Recovery functions are controlled from a panel inside the unit, minimizing the driver's time outside.

AviationPros.com/11259401



PAL-1 POCKET REFRACTOMETER

ATAGO USA, Inc.

ATAGO manufactures refractometers for checking deicing/anti-icing fluid concentrations. Offering both digital and analog units, these refractometers are capable of accurately measuring concentration and freezing point of ethylene glycol and propylene glycol solutions in just a few seconds.

AviationPros.com/12153064

MERCURY DEICING MANAGEMENT SYSTEM

Aviata Systems Inc.

A comprehensive solution for managing all aspects of aircraft deicing operations including deicing truck location and aircraft slot assignments, detailed transactional data capture, real-time performance monitoring of deicing pads, trucks, and personnel, and post-operational reporting and data analysis.



AviationPros.com/12079324



TEMPEST WITH AIRFIRST DEICING SYSTEM

JBT AeroTech, Jetway Systems

JBT AeroTech Tempest deicers equipped with AirFirst forced air and proportional mix provide efficient and safe solutions to reduce glycol use during deicing operations. The Tempest with AirFirst uses a high speed compressor mounted on the boom that discharges high speed air at .9 Mach. The air can be used on dry snow or in conjunction with fluid to remove frost, wet snow and ice. The biggest savings are realized during defrosting operations when deicing fluid is injected into the air stream at 12 gallons per minute, forming a wide swath that quickly removes the frost. Savings of up to 60% are possible when compared to conventional methods with flow rates at 25-30 gallons per minute. The wide swath application also speeds up the deicing operation reducing aircraft ground times.



AviationPros.com/10027266

PORTABLE VISCOMETER

Hydramotion Ltd.

The Viscolite portable viscometer from Hydramotion Ltd. assists in measuring the viscosity of deicing fluid by simply dipping the probe into the fluid and seeing the viscosity reading instantly. Wipe the sensor clean and it is ready for re-use. The viscometer is factory-calibrated and does not need recalibration.

AviationPros.com/11654481

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Worldwide Leader in Aircraft Refuelers

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AviationPros.com/11174155

FUEL SERVICE CART

Par-Kan Company

The Par-Kan FSC-300 X2 GSE Fuel Service Cart offers 600 gallons of total capacity, 300 gasoline and 300 diesel. With two hand pumps with meters, two fuel filters, static grounding reel and fire extinguisher, the equipment is mounted on a four-wheel product containment trailer.

AviationPros.com/12274802



FUELING MATS

AERO Specialties

AERO Specialties urethane fueling mats offer a solution for over-the-wing aircraft fueling. Used as a protective layer between the fuel pump and the fuel access panel on the wing, the fueling mat will prevent scratches and damage from fuel spills. Available in a bright, safety orange color, the fueling mat is made of heavy-duty, high-grade materials and is built to withstand the toughest conditions.

AviationPros.com/12020645

800 GPM HYDRANT DISPENSER

BETA Fueling Systems, LLC

BETA Fueling Systems is a global leader in the design and manufacture of aviation hydrant dispensing equipment.

With hundreds of units currently in service at major airports around the globe delivering fuel at 800 GPM to 1000 GPM flow rates, BETA dispensers perform reliably for the most demanding oil companies, airlines and aviation fueling companies.

AviationPros.com/12018195



FLEXIBLE FUELING HOSE

Hewitt, A Husky Company

Hewitt delivers the state-of-the-art solution to carry aviation fuel to movable service platforms and lift decks. The Hewitt 5500 Premium JacRiser has twice the flexing durability and is much easier to use than competing products, according to the company, making it ideal for any application where flexible hose is needed to load or unload petroleum products.

AviationPros.com/11111578



GAMMON TECHNICAL PRODUCTS

Gammon Technical Products Inc.

Gammon Technical Products is a manufacturer and distributor of aviation fuel (Jet and Avgas) equipment for quality control, handling and sampling, additive injection, static reels and cable, differential pressure gauges, overwing "Skyhawk" nozzle, bonding and grounding.

AviationPros.com/12013911

FUEL TRANSFER CARTS

Tronair Inc.

Tronair's Fuel Transfer Carts are equipped with two static discharge reels and are shop air operated to eliminate spark hazards. In addition the units filter 98% of particles up to 1/2 micron. Tronair also offers a variety of Fuel Sample Test Tools that quickly check fuel for contamination.

AviationPros.com/12020704



REFUELING PUMPS

The Gorman-Rupp Company

Gorman-Rupp's complete line of ground service pumps and related equipment have met the challenge of accelerated aircraft refueling and defueling requirements for over 50 years. Whatever aircraft fueling is required, Gorman-Rupp ground service pumps and related equipment can do the job.

AviationPros.com/12020697



Aero Express now represents Malabar Business Jet Maintenance Equipment



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FUELING/DEFUELING HOSE

Continental ContiTech

The Platinum JAC Riser is Continental ContiTech's premier aircraft fueling/defueling hose. Specifically designed for fueling vehicles with a lift deck, the Platinum JAC Riser meets API 1529 and EN1361 type E standards and provides a secure, reliable connection.

AviationPros.com/10950417

ENGINE MANAGEMENT SYSTEM

Rampmaster

Rampmaster, a manufacturer of aircraft refuelers for the worldwide aviation market, has received the final testing report from West Virginia University's Center for Alternative Fuels, Engines and Emissions (CAFEE) confirming that an aircraft refueling vehicle outfitted with the company's patented Engine Management System (EMS) consumes up to 78 percent less diesel fuel while pumping its jet fuel, a worldwide first in diesel fuel savings and greenhouse gas emissions.



AviationPros.com/10825688



INTEGRATED FUELING SYSTEM

Cavotec Ground Support System

Cavotec has launched a fueling element to its E3 Gate, making the E3 Gate one of the most uniquely integrated aircraft servicing systems available. Cavotec's E3 Gate – so called because it is designed to deliver optimal performance in Ergonomics, Economy and the Environment – supplies parked aircraft with 400Hz power, PCAir, blue and potable water and sewage – and now fuel – via underground pit systems.

AviationPros.com/11251115

Simple Complexity



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MIDAS is a telemetry system that allows anyone with approved access to view live data on any of their deicing trucks with any Internet-connected device. This advanced telemetry system can be purchased on new vehicles or retrofitted on any manufacturers' equipment. MIDAS monitors performance, location, surface areas, aircraft ID's, operators and more.



AviationPros.com/10017340

MOBILE FUEL TESTING SYSTEM

Westmor Industries, LLC

The Westmor Mobile Fuel Testing System provides aviation refueling personnel the opportunity to sample, filter and return fuel with an easy-to-use closed-loop system, virtually eliminating jet fuel sampling waste. All clean and dry fuel utilized in filter changes, delivery samples, and sump samples can be returned to inventory rather than being discarded. Westmor also offers an online calculator to provide an estimate of how quickly the new test system will pay for itself in annual fuel savings.

AviationPros.com/11264272



HIGH-PRESSURE AVIATION REFUELING SYSTEM

SEI Industries LTD

Originally designed for use by military forces, SEI Industries' High-Pressure Aviation Refueling System (HPARS) is now available for commercial use. A durable, portable method of fueling and de-fueling jet fuel to and from aircraft and fuel tanker trucks, the HPARS is ready for deployment anywhere in the world.

AviationPros.com/12032232



PILOT/ACTUATOR ASSEMBLY

Eaton

Eaton's new Carter product 47900 pilot/actuator assembly will eliminate fuel moving into hydrant servicer air systems and reduce piston seal damage due to debris entering through the pilot vent. Easily installed on all existing 60554 and 61654 hydrant valves, it will soon be offered as Option "V" on new valves.

AviationPros.com/12038598



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AviationPros.com/11320301

▶ NEW JET AND AVGAS REFUELERS

ProFlo Industries LLC

ProFlo Industries custom manufactures a complete line of new Jet and Avgas refuelers with tank sizes ranging from 500 US gallons (1,890 Liters) to 10,000

US gallons (38,500 Liters). Units are available for domestic and export use with many chassis options available. Units comply with NFPA, ATA and JIG guidelines.

AviationPros.com/12244047



▶ AVGAS TRUCK

RPD Services

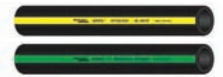
RPD Services offers an aviation refueler for the discerning aviation market. The company's Isuzu avgas truck has a 750 gallon, aluminum tank, a gas engine and automatic transmission. The 40 GPM pump is hydraulic driven with a vertical filter/monitor. The piston meter has a mechanical register and ticket printer. The hose reel is a multi-wrap style for 1" x 50' overwing hose. These trucks are designed and built to be the most reliable, durable refuelers.

AviationPros.com/12242599

▶ AVIATION FUELING HOSE

PEAR Corporation

PEAR Hose utilizes Contitech AEROPAL aviation fueling hose in all of its aviation hose assemblies.



AEROPAL hose has proven to outperform other hoses, according to the company. Also, every PEAR hose assembly comes with the company's exclusive five-year warranty.

AviationPros.com/12179305

▶ CONTAINERISED REFUELLING SYSTEM

Refuel International

The Containerised Refuelling System is built to standard ISO container sizes, complete with corner castings and lifting lugs. The tank is fitted with access cover, pressure and vacuum vents and an electronic level sensing system. The content level of the bulk tank is displayed via an LFD-6 mounted on the fuelling module.



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SELF-SERVE FUELING TERMINAL

QT Petroleum On Demand

The Model 3000 Self-Serve Fueling Terminal sets the standard for retail automated fueling systems. Using a single integrated controller board, the M3000 has fewer parts than other systems. This uncomplicated design means simple maintenance, 24-hour self-service operation and better reliability (average uptime greater than 99 percent). With installations from Alaska to the Bahamas, the M3000 has proven to operate in the most extreme climates, providing reliable, maintenance-free service for pilots throughout the world.



AviationPros.com/11545211



10,000 GALLON JET REFUELER

SkyMark Refuelers

The SkyMark 10,000 Gallon Jet Refueler features a stainless steel tank with an 800 GPM pumping system. The 10,000 Gallon Jet Refueler also features a front-mounted lift deck with dual fueling hoses and a special purpose airport chassis with rear engine.

AviationPros.com/12277156

500-GALLON JET A REFUELER

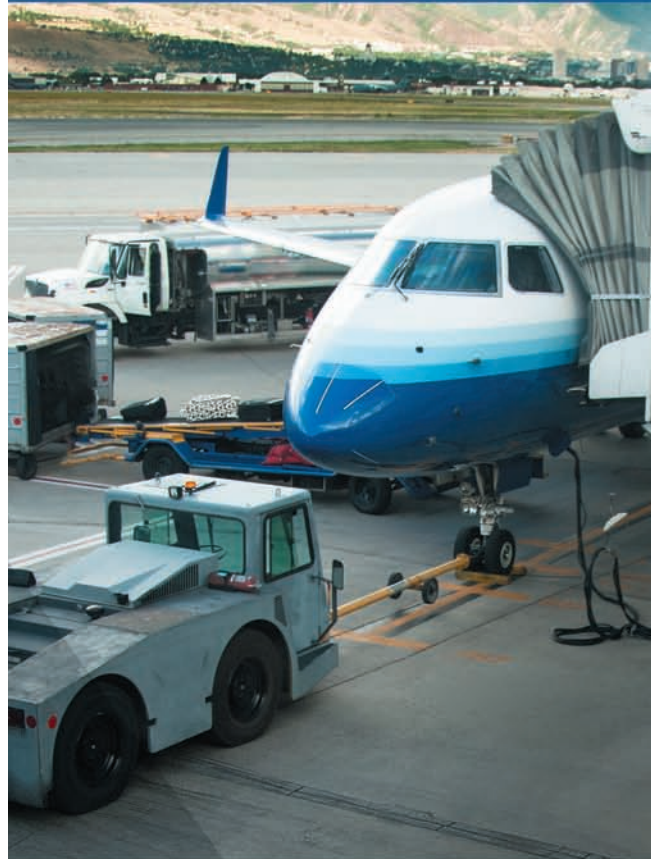
Jet Fleet Management LLC

The Jet A Refueler features: single wall aluminum baffled tank, 12-volt 25-gpm pump and mechanical meter 50-foot spring-loaded assist hose reel; 50-foot aviation grade hose overwing type fuel nozzle with .05 micron cartridge type fuel filtration system;

a 12-volt AGM battery with shut-off switch and 12-volt battery tender/charger; lockable battery box; pintle hook or 2 5/16 ball coupler; 50-foot static line reel; lockable aluminum

bright tread toolbox; 10-pound BC type fire extinguisher; drain valve bottom tank ball type for fuel sampling/top tank filler location; at glance fuel gauge; electric brakes, two axles with break-away switch, safety cones and holder.

AviationPros.com/12224508



Looking for ways to make doing business easier and more profitable? Then you'll want to take a closer look at Xcēd.

Xcēd Aviation Services is a single source provider of flexible GSE financing and customized asset management services, including:

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- Used GSE trade-ins
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- Buying and selling inventory
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▶ PCAIR CONNECTOR

Page Industries

Page Industries' PCA610 PCAir connector is the ultimate connector on the market today. The Page 8-inch nylon composite PCAir Connector comes standard with a field replaceable snap-in gasket (no caustic glue, scrapping or cure time), internal spinning ring to eliminate twists in the hose, built-in FOD screen and incorporates the largest internal diameter of any connector to provide maximum air flow to the aircraft. Also a first to the GSE industry, Page's revolutionary design has easy-to-use "twist on/off" technology utilizing a slot-filled design with a robust internal modular latching mechanism that ensures a positive connection to the aircraft. No other PCAir connector offers all of the elements which make the PCA610 the premier connector in the world.

AviationPros.com/11346790



▶ AXA 2400 COMPACT GPU

AXA Power

The AXA 2400 compact GPU has 400 percent overload at output. It provides 90 kW continuous at an ambient temperature of 56 degrees C. It is equipped with a Plug & Play system, allowing the unit to fulfill the requirements of most installations as it compensates for long symmetrical output cables, unbalanced loads and various power factors. The magnetic wave-shaping topology ensures a clean input power with a unity power factor and a current THD less than 5 percent.

AviationPros.com/11245376



SVS - 100

AeroVironment Inc./ Posicharge

The PosiCharge SVS-100 is a compact charger that is well suited for light duty GSE applications like small cargo warehouses, GA and FBO airport operations, regional jet activities and other larger equipment performing in a light duty application.

AviationPros.com/10026958

▶ AVIATION DUCTING AND HOSE PRODUCTS

Thermoid, Inc.

Aeroduct Hose/Ducting has been used by ground personnel worldwide for years. Aeroduct Jet Starter Hose is designed for wide temperature ranges (500 degrees F to -80 degrees F) and is easily handled by one person. It offers high burst strength (+400 PSI), resists abrasion, fuel and mildew.

AviationPros.com/11410016



▶ CABIN HEATER

Aviata Systems

The electrical Aircraft ground heater from Aviata is an optimal solution for intensive and efficient electric heating of regional, narrow and wide body aircraft at low ambient temperatures down to -50°C. It is available in two variations: 37 kW and 75 kW.

AviationPros.com/12081697



▶ AIRLINX GROUND SUPPORT PRODUCTS

AIRLINX Aircraft Services Inc.

AIRLINX is a manufacturer of Potable Water, Lavatory Service, Pneumatic Air Start and Hydraulic components for aircraft and GSE applications. Our product offering specializes in Fill, Flush and Drain Couplings, Service Caps and Plugs, and Fill and Drain Nipples to satisfy most requirements.

AviationPros.com/10177449



▶ AIRSTART PARTS

GHH RAND Schrauben-kompressoren GmbH

Oil-free screw compressor airends, parts and service for air starts / jet starting compressor units.

AviationPros.com/12012977

JETLINKSYS

Unitron Power Systems

Unitron Power Systems presents the JetLinkSys, a self-contained cable management system with a 400Hz, 28VDC, 270VDC or combination Solid State Frequency Converter. The System is available in an overhead or fixed configuration.

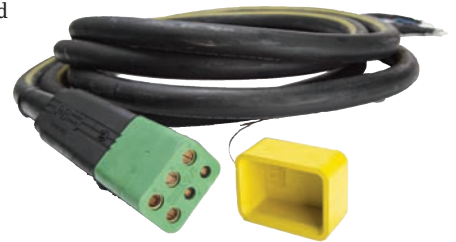
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400 HZ, 270V DC AND BANDED CABLES ITW GSE J&B AVIATION

J&B Aviation offers 400Hz, 270V DC and Banded Cables. Replaceable contact sections for 400 Hz cables are available to prolong the life of cables. Additional cable protection from scuff jackets to scuff rings are also offered. The company's 400Hz cable assembly designs are the popular in both the commercial and military markets.

AviationPros.com/12135760



ECO-FRIENDLY GPU Start Pac/Rotorcraft Enterprises LLC

This Start Pac aircraft GPU uses up to 75 percent less fuel than traditional equipment. The Hi-Brd 3 GPU meets Tier IV EPA emissions standards. It is available in two models: the self-propelled version, and the Rover, which is an electric cart mounted drivable unit.

AviationPros.com/11419782



PCA ADAPTER Hall Technical Services

The company manufactures 8-inch PCA aircraft adapters in nylon and metal, with or without screens. Handle assemblies are universal and the EPDM gasket is the best on the market, the company says.

AviationPros.com/10810851

Cleared for Takeoff!

The new JetGo 600Mti-RJ 28V GPU has launched! More powerful, improved user controls, digital displays and the lowest operating cost in the industry. You asked for it, and we delivered!



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PRECONDITIONED AIR UNIT

ITW GSE Hobart

ITW GSE Hobart announces the release of the ITW GSE Hobart 3400 Pre-Conditioned Air unit to the market. The Hobart 3400 supplies fresh, clean air into parked aircraft at carefully monitored temperatures and provides a pleasant atmosphere for passengers and crew. The ease of replacing the modules can minimize downtime. It is ETL listed to UL1012 requirements. It has multiple, identical cooling modules. Each module can be retracted and replaced, like a drawer, in only 20 minutes by a technician. There are no special skills required. This minimizes downtime which keeps aircraft turn-arounds on schedule by allowing the PCA to continue cooling the aircraft by means of the remaining modules. Designed for all types of aircraft from narrow-body to super Jumbos, it is available for bridge-or ground mounting for aircraft parking positions or for hangar applications.

AviationPros.com/12249071



PCA LAYFLAT DUCTING

Sage Parts

Sage Parts offers a line of layflat ducting that includes a choice of three designs. Economy PCA layflat ducting features sewn construction collapsible blower tubing for demanding positive pressure applications. UltraLyte PCA layflat ducting provides the dual benefits of lightweight convenience and heavy-duty performance to withstand highly rigorous ramp requirements. Premium heat-sealed (welded) PCA layflat ducting features spiral construction for reduced fatigue and improved service life.

AviationPros.com/11409980



SOLID STATE 28VDC GPU Current Power LLC

Current Power is a manufacturer of solid state GPU's. The company's GPU will accept any three phase voltage around the world in a single unit. Also standard is a push-to-set current limit, which allows users to precisely set the current limit before starting the aircraft.

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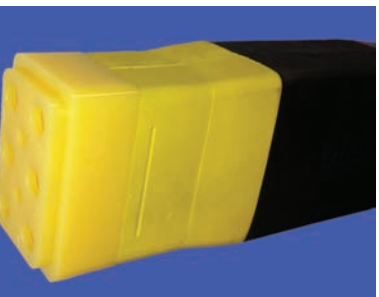
Contact Ron Bivens

614.643.2401

rbivens@columbusjack.com

www.columbusjack.com

AviationPros.com/10134078



HIGH-IMPACT CABLES MCM Engineering Inc.

The MCM GOLD X Nose used on MCM 400Hz Aircraft cables, is made from a material with high impact strength to help protect the power and relay contacts. A very low coefficient of friction makes it very resistant to abrasion.

AviationPros.com/11191325

▶ 28.5V GROUND POWER UNIT

Tronair Inc.

Tronair's 28.5V ground power unit incorporates a Tier 4 final electronic engine. The Murphy operating panel displays engine, GPU, fuel status and alerts/warnings to abnormal conditions. The control panel allows digital setting the output voltage, current limit and maintenance mode. The unit provides ultra-low ripple DC output for the most demanding aircraft. The large 35-gallon fuel tank allows 26 hours of run time at rated load, and a high ambient temperature cooling package.

AviationPros.com/12276402



▶ MILITARY SPEC DUCTING

ABC Industries Inc.

ABC Industries manufactures a

complete line of military specification SAE38386 low and high pressure construction

ducting and military

performance specification ducting for ground support operations. Utilizing lock-stitched construction and rugged ABC InsulSand fabrics, ABC military ducting is offered in desert tan, olive drab, yellow and black.

AviationPros.com/11321822



▶ GS400 AIRCRAFT AIR START UNIT

GUINAULT

The 400ppm ASU was recently designed and developed by GUINAULT engineers to start up all aircrafts type including the B777 with GE90 engine. This ASU is fitted with a Detroit Diesel engine and GHH-Rand screw compressor. Its exclusive air flow regulation system automatically regulates to engine speed according to aircraft air flow requirement. As a consequence, fuel consumption and noise level are optimized according to each aircraft type.

AviationPros.com/10181398



▶ GASOLINE SERIES GPU

The Gasoline 2000 Series BatesField GPU features standard 28.5v DC output voltage with 12v DC available as an option and 3,045 cranking amps; 200 amps for pre-start operations. It comes standard with a minimum of 12-inch pneumatic tires and a simple kick stand brake. Pneumatic 16-inch tires are available with and without brake as an upgrade option.

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Aircraft Deicers
On The Market



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NEXSYS BATTERIES

EnerSys, Inc.

Virtually maintenance-free NexSys Batteries from EnerSys never require watering, reducing labor costs and eliminating the risk of spills. Featuring Thin Plate Pure Lead (TPPL) technology, these Absorbed Glass Mat (AGM) batteries withstand vibration and maintain capacity in extreme temperatures. NexSys batteries also give ground support crews the flexibility of opportunity charging between flights.

AviationPros.com/12264026



8800 SERIES

LEKTRO, Inc.

LEKTRO's 8800 series is used by FBOs and militaries worldwide. With a towing capacity of up to 120,000 lbs and a low-profile, sit down operation, the 8800 series will tow virtually every regional airline, long-range business jet or military fighter.

AviationPros.com/10025896



BATTERIES AND CHARGERS

Douglas Battery

Douglas Battery provides reliable power to keep equipment moving. The Titanium High Frequency Conventional & Opportunity Profile Charger, which is more energy efficient, has the highest power factor, increases the life of the battery and reduces maintenance costs, is now available in an 80 Volt model.

AviationPros.com/10441086

GSETRACK

Undagrid

The GSETrack offers a solution for localization of non-motorized ground support equipment (GSE) at airports. Receive valuable location and equipment data, without network installation or communication costs. The company combines everything in a small device, which can be installed in less than one minute, without needing IT skills. The devices can be used worldwide, without special permissions. All information is available anytime, anywhere via the GSETrack web based software solution.

AviationPros.com/12127143



TE.208 BAGGAGE/TOW TRACTOR

Charlotte of America

The TE.208 baggage/tow tractor is a battery-powered, four-wheel towing vehicle with enough power to provide an alternative to a full-size baggage tractor for those operations that don't require one. The unit is a compact, highly maneuverable vehicle, which allows easy access to the operator's compartment with good front and rear visibility. A low center of gravity provides excellent stability. There are currently over 1,000 of these units operating in the field today. The unit is capable of a top running speed of 9 mph (14.4 km/h) when empty with a drawbar pull of over 1,100 lbs. (499 kg). The operator's compartment contains all the controls and indicators necessary to drive the unit including foot-operated accelerator pedal, directional lever, keyless power switch, light switch and horn switch. The battery connector is located for convenient power disconnects.

AviationPros.com/12017864

BATTERY MONITORING

Vebar

Battery monitoring systems; remote fleet monitoring; battery organizing systems; battery data analyzers and catalogs for forklift batteries; and web-based and completely wireless and multiple site monitoring is available through Vebar.

AviationPros.com/11195598





ZERO EMISSION GSE Harlan Global Manufacturing LLC

The Harlan Charger is zero emission, high power, low maintenance and operator-friendly electric GSE. This 80V, 4,500-pound DBP electric unit is designed for the needs of today's GSE. The high-power, zero-emission Charger will meet most baggage and regional aircraft towing requirements, allowing the GSE world to remain productive.

AviationPros.com/10027051

IDLE-LOK Safety Systems & Controls Inc.

Idle-Lok is a simple device, which shuts down an engine after a user-programmable time if running idle. It can reduce idling 30-40 percent as well as wear and tear. It has low temperature override for frigid conditions.



AviationPros.com/10026542

MINI BATTERY VOLTAGE METER

**Kussmaul
Electronics**

This easy-to-see and easy-to-mount universal indicator displays the current battery voltage on the vehicles dashboard. The indicator's design can be mounted in a switch blank on almost every major commercial grade truck or service vehicle. The back-lit LED 3-digit numerical display can be viewed in most lighting situations and provides current system voltage which is accurate to 100-millivolts. Get direct access to detailed and important data without having to check manually. Each unit is reverse polarity protected and carries a three-year warranty.



AviationPros.com/12220667

ENVIRONMENTALLY FRIENDLY PCAS Verde GSE

At Verde GSE, the goal is to provide the freshest, most comfortable air for customers' needs in the most efficient, environmentally responsible manner possible.

Verde GSE's line of PCA units are born from the toughness and simplicity demanded by the military, utilizing the highest quality components and most advanced technologies available. With a rock-solid foundation in energy efficient technologies, the company is able to provide a PCA solution with efficiency, flexibility and serviceability.



AviationPros.com/12014687

JETPORTER JP30 / JP30L ELECTRIC TUGS Tronair, Inc.

The JetPorter JP30 / JP30L electric aircraft tugs are capable of moving aircraft up to 30,000 lbs while being remaining easy and efficient to operate. These tugs are designed to operate at corporate aircraft hangars, FBOs, maintenance facilities and aircraft manufacturers. The JP30 / JP30L features a 6 HP continuous duty motor, solid rubber tires, onboard battery charger and a built-in ground power unit. The JP30L is 3 feet longer to accommodate longer nose wheel set backs on aircraft along with having an extra bank of batteries. All new units also come with a two-year warranty.



AviationPros.com/12098131

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▶ AVIATION SERVICES **Global Aviation Services**

Global Aviation Services (GAS) provides ground handling services in 16 shops serving more than 35 North American airports and 18 customers. In one year GAS grew from 45 employees working for one customer to 90 employees. Business continues to grow through the quality maintenance the company provides.

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▶ TRANSPORTATION SERVICES **Satellite Specialized Transportation**

Satellite Specialized Transportation Inc. has a reputation and extensive resources to provide customers with excellent service. Satellite works diligently to provide its staff with every tool needed to stay educated and competitive in the transportation industry. With an experienced staff at two locations, Satellite Specialized Transportation Inc. is prepared for its customer's transportation needs.

AviationPros.com/12274741



▶ NEW, USED AND ZERO-TIMED GSE **Mercury GSE**

Mercury GSE supplies new, used and zero-timed GSE that is available for purchase, rental or long-term lease. Its 30 years of ground handling and GSE experience provides customers with the facts needed to make decisions. Mercury carries a varied selection of used GSE in stock at all times.

AviationPros.com/10817962



▶ LEASING AND FINANCING SERVICES **Fortbrand Services, Inc.**

Fortbrand Services has been in the business of leasing, financing, renting, maintaining and dealing in aircraft ground support and refueling equipment for more than two decades. The company utilizes its experience and expertise to provide tailor made programs to meet the specific requirements of its customers. Fortbrand Services also engages in related activities, including equipment appraisals, consulting, installation of specialized airport facilities projects, as well as acting as a distributor for the sale and lease of unique airfield maintenance equipment.

AviationPros.com/10133657



▶ AIRPORT SERVICES **Aviance**

Aviance, the first international alliance in airport services, was launched in the year 2000 and now has 12 members that offer ground handling solutions in 19 countries. The alliance dynamics assist members in increasing market share thanks to a range of benefits ranging from operations to commercial.

AviationPros.com/10026999

▶ REPAIR AND MAINTENANCE **Oxford Airport Technical Services**

Boarding bridge repair and maintenance services for airports and airlines is available from Oxford Airport Technical Services

AviationPros.com/10133223



▶ GROUND HANDLING SERVICES **Swissport International Ltd.**

Swissport International Ltd. provides ground services for around 224 million passengers and 4.1 million tonnes of cargo a year on behalf of some 700 client-companies in the aviation sector. With its workforce of around 55,000 personnel, Swissport is active at 266 airports in 45 countries on five continents and generates consolidated operating revenue of \$3.1 billion.

AviationPros.com/10025374

GSE SUPPORT

Servicore G.S. Corp.

For over 15 years the company has served customers with knowledge on ground power units, loaders, air starters and other equipment.



The company provide sales, rentals, replacement parts, safety supplies, ramp accessories, technical support and training for all GSE.

AviationPros.com/10817955



GSE LIFE CYCLE SPECIALISTS

Somerset Aviation Capital

Somerset GSE covers all GSE asset types, and offers financing options that include short-term rentals, rent-to-own structures and long-term leases. And with its global lessor financing capabilities in the U.S., Canada, most of Europe, and parts of Asia, Somerset GSE can ensure a customized financing solution for its clients' specific equipment requirements, no matter where they are.

AviationPros.com/10817997

SPECIALIZED TRANSPORTATION

Air Ocean Pros

Air Ocean Pros is a specialized transportation company dedicated to the needs of the ground support industry. Extremely experienced in the handling of GSE to and from any airport or service point in the world.

AviationPros.com/10812417



GSE SALES, RENTALS AND LEASING

Davin Inc.

Davin Inc. maintains a substantial inventory of late model GSE for immediate response to short-term rental requirements, and offers longer term leasing and sales of both new and used equipment.

AviationPros.com/10027003



AVIATION SERVICES

ASIG (Aircraft Service International Group)

ASIG is one of the largest independent aviation services companies in the world with substantial operations in more than 65 cities throughout North America, Europe and Asia. For more than 55 years, the company has been providing ground handling, fueling, passenger, cargo, deicing and airport facility services to commercial airlines and airports around the globe.

AviationPros.com/10024994



LOGISTICS SERVICES

EMR Logistics, Inc.

The staff at EMR Logistics can guide its clients through their transportation needs. The company uses a simple model of safety, honesty and competitive pricing to provide trusted carrier service.

AviationPros.com/12274739

XCED AVIATION SERVICES

Xced Aviation Services - Sasser Family Holdings Company

Sasser Family Holdings, Inc. has opened an aviation ground support equipment finance and asset management subsidiary – Xced Aviation Services, LLC. Xced provides single investor equipment financing solutions and life cycle management of all aviation ground support equipment for North America. The group delivers end-to-end aviation ground support equipment financing and asset management solutions.

AviationPros.com/12014721



AVIATION SERVICES

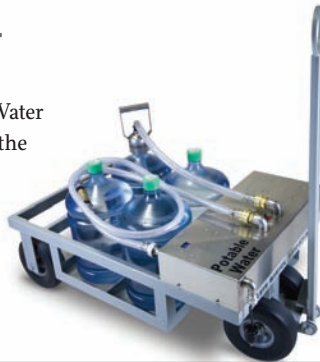
A Sasser Family Holdings Company

POTABLE BOTTLED WATER CART

Alberth Aviation

Alberth Aviation manufactures a Potable Bottled Water Cart designed to deliver guaranteed clean water to the aircraft every time. Four standard 5 gallon water bottles make this cart easy to maintain and provide a simple way to track water sales. Used by FBOs and flight departments worldwide.

AviationPros.com/12113126



CRUSH-PROOF LAVATORY DUMP HOSE

US Airmotive GSE

The crush-proof lavatory dump hose from U.S. Airmotive GSE features 100 percent urethane hose wall with helix to protect hose (no wire); triple urethane cuffs; UV resistant; bending radius 4 inches; translucent blue; available in many lengths.

AviationPros.com/10024872

PUROGENE AIRCRAFT SANITATION SYSTEM

AeroSafe Products Inc.

P.A.S.S. Purogene Aircraft Sanitation System from Aerosafe disinfects and sanitizes aircraft water systems in minutes. Used for general aviation, corporate and commercial aviation and marinas. Available as roll round, full water cabinets or retrofit models. All stainless steel construction.

AviationPros.com/10026365



RECONNECTABLE POTABLE WATER AND LAVATORY SERVICE BREAKAWAY COUPLINGS

AIRLINX Aircraft Services Inc.

Breakaway couplings are available for potable water and lavatory service applications. The reconnectable design does not require any replaceable parts upon disengagement. After a mishap, it can be reconnected within seconds on the ramp, ensuring there is no downtime in servicing aircraft.

AviationPros.com/10026850



POTABLE WATER CARTS

Par-Kan Company

Par-Kan offers a variety of Potable Water Carts. The company's line of carts provides a variety of features such as 120 gallon capacity; 250 gallon capacity; 450 gallon capacity; stainless steel or poly tanks; fifth wheel steering; towbar activated brakes; onboard battery and battery charger; winterization package immersion and compartment heaters; 12 volt electric or gasoline Honda engine pumps; and powdercoat finish.

AviationPros.com/10024595



VACUUM TOILET SERVICE TRUCKS AND WATER SERVICE TRUCKS

Vestergaard Company Inc.

Vestergaard Company, Inc. offers a full line of Vacuum Toilet Service Trucks and Water Service Trucks. The Vacuum system cleans the aircraft effectively, which reduces the build up of solid wastes. This reduces the amount of odor in re-circulating toilets and cleans the level sensors in the newer vacuum toilet systems, in the newer aircraft.

AviationPros.com/10024878

VACUUM LAVATORY SERVICE TRUCK

Accessair Systems Inc.

New features of this lavatory service truck include an automated control system, based on preset quantities, whereby the selection of the aircraft type by the operator allows the aircraft to be serviced automatically. For enhanced record keeping, a Data Logger is also available allowing the retrieval and storage of data via Wi-Fi, USB, etc.

AviationPros.com/10027590





BLUBAGGER

Concept Reality LLC

The BluBagger Universal Chassis is designed to hold 300 gallons of waste and 180 gallons of refill solution or water, or this chassis can become a potable water truck, utility, maintenance, baggage carrier and a belt loader.

AviationPros.com/10027758



POTABLE WATER TRUCK

Stinar Corporation

The SPW-350PL Potable Water Truck has a 500 gallon water tank capacity. The company also offers models with 600, 700 and 1,000 gallon capacities

AviationPros.com/10025864



LAV HOSE

Hi-Tech Duravent

The Hi-Tech Duravent Lav Hose is designed to withstand the rugged conditions of an airport ramp. This industry tested, durable urethane hose is thermally bonded with nylon helix, and is abrasion-, crush- and kink-resistant. It is translucent blue with smooth interior walls and durable blue cuffs.

AviationPros.com/10027375

LAV AND WATER CARTS

AERO Specialties

AERO Specialties has designed a new series of Lav and Water Carts for regional airlines and busy FBOs. In response to requests from regional airline customers, the new carts are built to exceed regionals' rigorous standards for ramp equipment durability. The LC60-RJ Lavatory Service and WC60-RJ Potable Water Service carts share the same 4,000-pound capacity rust-proof chassis and insulated tank enclosure system, as well as winterization and electric pump system. AERO's RJ series lavatory and water carts continue to be in strong demand around the globe.

AviationPros.com/10025317

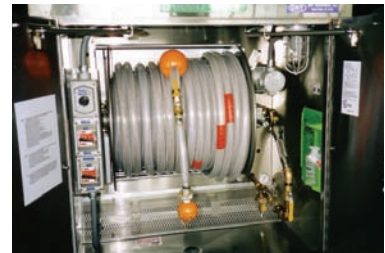


POTABLE WATER CABINETS

GNV Equipment LLC

GNV Equipment's Potable Water Cabinets are UL listed units that expedite dispensing of potable water to aircraft in congested loading locations through 200 ft. plus hoses. Cabinets are double wall, insulated and heated stainless steel with two large doors. They can be mounted or flush through terminal wall, on pedestal of loading-bridge or be free standing.

AviationPros.com/10026291



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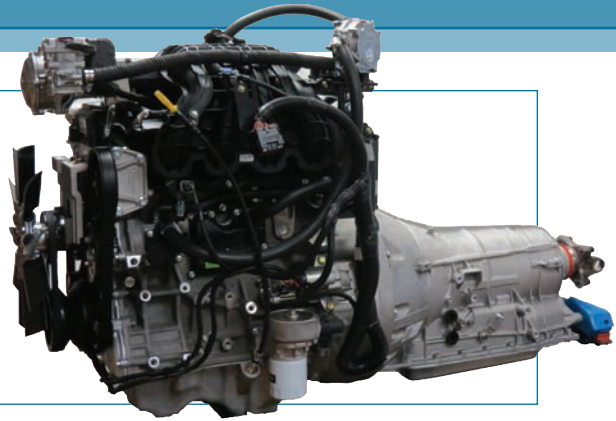
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▶ ADVANCED TECHNOLOGY ENGINES

Engine Distributors Inc.

Engine Distributors Inc. offers a line of LSI industrialized Ford engines, which are available and serviced through a global dealer network. The line of EPA- and CARB-certified 1.6-, 2.5-, 3.7- and 6.8-liter engines range from 20 to 200 horsepower. They are available in gasoline, LPG, CNG, natural gas and duel fuel. The company offers a five-year, 5,000-hour warranty for the GSE market.

AviationPros.com/12275602



▶ WHEEL & BRAKE DOLLY

ColumbusJACK/Regent

The Wheel & Brake Dolly is used worldwide by most major airlines, making wheel changes a one-person operation. It is a portable self-contained unit capable of handling and transporting either a wheel/tire or brake assembly during the removal from or installation on an aircraft.

AviationPros.com/11195549



▶ BRUSHES AND SQUEEGEE BLADES

Cardinal Brush Corp.

Cardinal Brush manufactures OEM quality replacement brushes and squeegee blades for cleaning equipment such as Tennant, Advance, PowerBoss, Factory Cat and many others.

AviationPros.com/12259380

▶ MAINTENANCE STAND

Clyde Machines Inc.

This Maintenance Stand features non-slip, self-cleaning steps and platform floor with a 500-pound capacity. Heavy-duty casters and 16-inch solid tires make it easy to move. Upper-platform railings can be lifted out and stored below. Mid-platform railings can be swung down and out of the way. Platform heights are 57, 75 and 86 inches.

AviationPros.com/10895715



▶ WARNING LIGHTS

Lumastrobe Warning Lights

Lumastrobe Warning Lights offers the standard in vehicle safety warning lights for flight line maintenance for the U.S. military model RSLX-30. Used extensively at Air Force bases around the nation and abroad, model RSLX-30 is a solar-powered LED flashing warning light that produces an intense burst of light from its 30 LEDs. It also is equipped with a magnetic base to assist installation.

AviationPros.com/12270444

▶ GSE TIRES

Continental Specialty Tires

Continental supplies a complete range of tires required for the airport industry, including the ContiRV20, specially developed to lower costs and last longer in airport ground support.

AviationPros.com/11191750



FLY-AWAY JACKS

Malabar International

Malabar's 35- to 95-ton "fly-away" axle jacks are readily air transportable with optional protective transport cases. Their compact designs include air operated and dual manual hand pumps (high and low pressure). Other features include extension screw and hand pump parts plated to resist corrosion, Skydrol-resistant paint and a one-year warranty.

AviationPros.com/12276153



WIRELESS VEHICLE MANAGEMENT SYSTEM

I.D. Systems Inc.

The AvRamp Wireless Vehicle Management System (VMS) for airport vehicles provides comprehensive management of ground support equipment and operators, and is the only solution that improves service, safety and security, while maximizing productivity and reducing costs for airlines, airports and ground handlers. AvRamp reduces capital and operating costs, optimizes fleet size, reduces damage, provides an additional security layer, and enables real time GSE visibility. AvRamp is TSA- and FAA-approved for use at all U.S. airports.

AviationPros.com/12054604



SPARK IGNITED ENGINES

Kubota Engine America Corp

Long-time engine maker Kubota has expanded its product line into GSE. The Spark Ignited line of engines offers fuel-efficiency in gas, propane, natural gas or dual fuel configurations. The WG3800 (3.8L) and WG2503 (2.5L), have outputs of 61.7 and 97.9 horsepower and are mirrored after Kubota's diesel line. These industrial-based gaseous engines have similar power and torque, lower acquisition costs and can be used wherever Kubota diesel equivalents are currently.

AviationPros.com/12242542

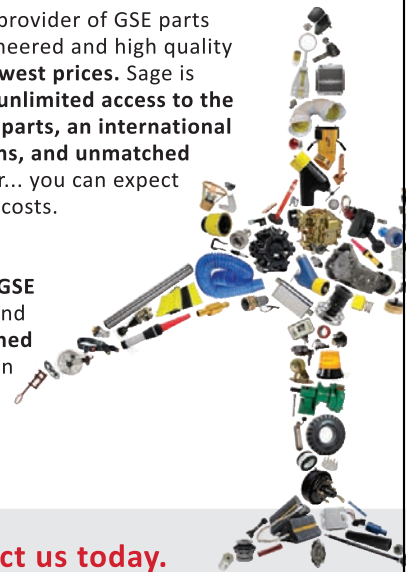


ONE SOLUTION. ALL THE PARTS.

Sage Parts is the leading global provider of replacement parts and services.

Sage Parts is the industry's number one provider of GSE parts and services. Sage provides specially engineered and high quality parts, **for the best performance, at the lowest prices.** Sage is the only parts supplier that can offer you **unlimited access to the world's largest on-hand inventory of GSE parts, an international distribution network, engineered solutions, and unmatched industry expertise.** With all of this to offer... you can expect reduced downtime and lower operational costs.

With locations worldwide, the world's most extensive database with **millions of GSE replacement parts,** easy online ordering and parts procurement solutions, and **unmatched engineering capabilities,** Sage is more than just the world's number one source for GSE replacement parts... We are every part to your entire ground fleet.



ENGINE COMPRESSOR WASH RIG

A.T. Juniper (Liverpool), Ltd.

The 2x25 gallon engine compressor washing rig is the mainstay of the Juniper range. Versatile enough to tackle most engines when partnered with the company's growing list of wash probes, lances and spray rings, yet maneuverable enough for the most remote areas of an airfield.

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DATA ACQUISITION UNIT (DAU)

Howell Instruments, Inc.

Backed by 65 years of data acquisition and analysis success, the Howell Instruments Data Acquisition Systems feature a customized Data Acquisition Unit (DAU) and a data monitor for recording information, providing accurate engine parameters as well as advanced engine performance and diagnostic information.

AviationPros.com/12274677



GROUND SUPPORT SYSTEMS

Hydraulics International Inc.

Hydraulics International Inc. offers ammunition loading systems, aircraft hydraulic system testing, aircraft cabin pressure testing, power systems, environmental control systems, military trailers, high pressure gas and liquid systems, flow measuring equipment and integrated logistics and support services.



AviationPros.com/12268110

TA277 GSE DRIVETRAIN AXLE

AxleTech International

AxleTech is introducing the TA277, a rigid axle for baggage and cargo tractors with short wheel bases. The TA277 axle is a replacement for the TA267 axle



model and features a quieter and stronger differential, full-floating axle shafts, and an all-new wheel-end design. The TA277 is the next generation axle of an industry standard with the intent to raise market expectations by reducing downtime and total cost of ownership.

AviationPros.com/12261823



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Electric Driven

- 5000-PSIG rated
- 15 SCFM discharge rate
- Quiet, only 60 dba
- No belts or pulleys
- 2-Stage and double acting configurations



5G SERIES

Air Driven

- 5000-PSIG rated
- 36 SCFM discharge rate
- Portable
- Single acting, double acting and 2-stage configurations



HIHPG1 SERIES

Air Driven

- Two (2) bottle hand truck
- Fits bottles 9.3" in diameter and 51" in height
- Accommodates single / double acting and 2-stage configurations
- Automatic shutoff safety valves



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HEAVY-DUTY E-HITCH

SAF-Holland

The EH-HD features a heavy-duty design with up to 22,680 kg (50,000 pounds) MDBP with an increased vertical load rating of 454 kg (1,000 pounds). Unique to the EH-HD is its large, bolt-on mounting flange that can accommodate and be customized for multiple bolt patterns and bolt-hole sizes, including metric and SAE dimensions. The versatility in mounting provides airlines and ground service providers the opportunity to standardize hitch specifications and retrofit across their entire fleet of tugs, carts and dollies. The EH-HD mounting flange is also approved for weld-on mounting.



AviationPros.com/11308556



AIRCRAFT MAINTENANCE STAND 6X

Liftsafe Fall Protection Inc.

Liftsafe Fall Protection's Aircraft Maintenance Stand 6X (AMS-6X) is designed to allow for safe access to all cowlings, pylons and disconnect zones on PW, GE and RR engines on a multitude of aircraft installations. The hydraulic pitch and height adjustment allow for diverse angle and height variables. The AMS 6X comes standard with an integrated scissor base. The unit can be used on all Boeing wide body aircraft as well as the B757.

AviationPros.com/12272508

STEEL JACK STAND

Spika Design & Manufacturing, Inc.

Spika's Steel Jack Stands, with a 14 ton rating per pair, are heavy duty and made to last. Manufactured in the USA, the stands are powdercoated safety yellow and utilize a 3/4" x 4" hitch pin with lanyard and hair pin, with shear strength of 37,100 lbs. Height ranges from 30" to 48". The individual stands have been successfully load tested with 60,000 lbs each.



AviationPros.com/10687413

EWC-150S ENGINE WASH CART

Ground Support Specialist LLC

A towable self-contained EWC-150S washing unit is powered by a Kohler diesel engine with belt driven fluid pumps. It is equipped with a 250 gallon stainless steel Water tank and a 50 gallon stainless steel Detergent tank. It produces heated fluid at 160 degrees F, and has an electric rewind hose reels.

AviationPros.com/11519090



MODTRUSS MODULAR BUILDING COMPONENTS

ModTruss

The ModTruss system of modular building components are used across many industries to provide easily transportable, infinitely reconfigurable solutions to customers' work and display needs.

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PASSENGER STAIRS, LIFTS & BOARDING BRIDGES



JETWAY SYSTEMS AIRCRAFT BRIDGE JBT AeroTech, Jetway Systems

The Jetway TeleRadial Regional Bridge from JBT AeroTech, Jetway Systems, is part of a complete line of equipment. JBT supplies mobile ground support equipment; Jetway passenger boarding bridges; and JetAire preconditioned air units and JetPower 400Hz ground power in point-of-use, stand, mobile and military configurations. Additionally, JBT supplies airport asset management, consulting and repair services.

AviationPros.com/10024665

RADIAL PASSENGER BOARDING BRIDGES Ameribridge

Ameribridge provides new radial boarding bridges for the commuter aircraft operations market. Ameribridge acquired all rights to the Dewbridge product line in 2012, and is now taking the radial boarding bridge to an even higher level of service and reliability. Several design, engineering and component enhancements keep the new Ameribridge radial boarding bridge at the top of the aviation industry's list for safety, security and comfort in serving customers on commuter aircraft.

AviationPros.com/10976888



2820 PASSENGER STAIRWAY AERO Specialties

AERO Specialties 2820 Passenger Stairway services aircraft with sill heights from 88-161 inches. Units feature an extra-large platform with sliding handrails to clear the aircraft door and soft rubber bumpers to prevent marring of the aircraft. Included are stabilizer jacks, a folding towbar, a hand pump for height adjustment, as well as a battery powered LED lighting system with an adjustable timer.

AviationPros.com/12035173



APX20-DPL BOARDING LIFT Lift-A-Loft Corporation

The APX20-DPL has a maximum platform height of 21'5" with a minimum platform height of 4'9", allowing a single unit to interface regional jets up to wide body aircraft. Units can be provided with optional air conditioning, an intercom system and fold down seats. The unit is equipped with a 77" wide by 84" long auto close folding lift gate, which can be raised or lowered by one person.

AviationPros.com/12132833



ALUMINUM PASSENGER STAIRS Aeroservicios USA Inc.

Aeroservicios USA Inc. manufactures for sale, rent or lease brand new 100 percent aluminum passenger stairs for different aircrafts, including Aeros 95 inches-105 feet for B-737; Aeros 135 inches-147 feet for A-320; and Aeros 95 inches-145 feet from B-737 to A-320. Its hydraulic extension is managed through a manual pump. LED lights.

AviationPros.com/12033792



DURABLE STAIRS FAST Global Solutions

This heavy-duty stair frame can support 2,500 pounds (1,134 kilograms). The stairs can be towed into place and then adjusted to the best height, from 85 inches (2.2 meters) to 152 inches (3.9 meters) with a single-lever hydraulic system. An automatically latching "X" brace securely locks the stairs at the needed height, eliminating potential errors that can occur with manual locks. For added safety, the stairs feature a Morton non-slip walk surface and are illuminated with a battery-powered lighting system.

AviationPros.com/12032069





TRUCK-MOUNTED STAIRS

Phoenix Metal Products

Phoenix Metal Products, Inc. has added to its product line the model PNX-PAS228 Truck-Mounted Passenger Stair with a door sill height from 96 inches down to 228 inches up. The chassis is a Ford F450 SD with six stabilizers.

AviationPros.com/10219299



SIDE SHIFT CAB MODEL 269LC

R.J. Design LLC

This model of side shift cab includes side shift, flip up cable protection, leveling cab floor and the extend/retract passenger walk, which eliminates portable ramps.

AviationPros.com/12056164

SENIOR STEP FOR PASSENGERS

Shure-Step Safety Step Stools

This step stool measures 24" x 14" x 6" high. It weighs 10 pounds and is very sturdy. It can be left on the tarmac and it won't blow away.

AviationPros.com/10725995



WHEELCHAIR LIFT

Uberlift

Uberlift safely lifts disabled passengers over the stairway of regional aircraft. When in the down position, the two-person lift provides crew and passengers clear walk through access to stairs, saving valuable turn around time.

AviationPros.com/10364793



Q-400 PASSENGER STAIRS

Keith Consolidated Industries

The Q-400 Passenger Boarding Stair is designed to accommodate passenger boarding at the L2 door of the aircraft. The Q-Stair is lightweight and easily maneuvered and deployed by one individual in less than 1 minute. The Q-Stair is designed with functionality and safety in mind, with its angled platform and folding gate. The Q-Stair is equipped with a roll away stantion and retractable ribbon reel, that when used in conjunction with the Q-step, forms an overall Q-400 system. This system allows the under wing area to be cordoned off, directing the passengers around this area.

AviationPros.com/12083080



PASSENGER STAIRS/SPECIALIZED CHASSIS

SCHOPF Maschinenbau GmbH

SCHOPF PS 560 A/B is based on a specially developed airport vehicle chassis to service aircraft with door sill heights between 1.9 and 5.8 meters, powered by a diesel engine with hydrostatic drive. It is also available as VVIP/VIP version. Options include all-weather-canopy, sun roof, auto-leveling system, etc. SCHOPF stairs are in service at civil airports worldwide and with military forces in various countries.

AviationPros.com/10025049



CANOPIES

Estex Manufacturing Co. Inc.

Estex manufactures all styles of canopies with 12 years of proven service and reliability. Tough dependable fabrics meet FAR25.853(b) and NFPA 415 & 417. The company makes bellows, hood and side curtain and inflatable canopies.

AviationPros.com/10441556

PUSHBACKS, TRACTORS & UTILITY VEHICLES

▶ 8900 SERIES TUG

LEKTRO, Inc.

LEKTRO's 8900 series offers a tow capacity of up to 210,000 lbs and more OEM certifications for narrow-body and regional airliners than any other towbarless tow tractor on the market, according to the company. Whether its needed to tow a Dash 8/Q-400 or an Airbus A321, this tug can handle it.



AviationPros.com/10025894

▶ ROTV AIRCRAFT TUGS

TNA - Aviation Technologies

ROTV (Remote Operated Tug Vehicles) aircraft tugs for military significantly increase operational efficiency, save cost and are ideal for maneuvering in tight spaces. The low profile electric tow units are designed and specifically suitable for ground and deck handling, especially for maritime embarked aviation, with rotary wing and fighter aircraft, especially the new generation low ground clearance aircraft. The unique 360-degree feature provides unparalleled maneuverability. In addition, there is a significant weight saving. Because the ROTV utilizes the weight of the aircraft it is handling to provide the traction required, the overall weight saving can be as much as 16,000 pounds or 7,272 kg when compared to traditional heavy deck tugs.



AviationPros.com/12209689

▶ ALL-PURPOSE TRACTOR

Trepel Airport Equipment GmbH



The CHALLENGER 700 is a conventional aircraft tractor that is capable to handle pushback, repositioning and maintenance towing of all widebody aircraft including a fully loaded Airbus A380. The mechanical lock-up clutch of the new generation of power shift transmission

reduces fuel consumption when moving at higher speed. The liftable power-pack compartment minimizes downtime of the tractor and reduces maintenance costs.

AviationPros.com/10280367

▶ TOW TRACTORS

TUG Technologies - Textron GSE

TUG Technologies offers tow tractors with capabilities ranging from 3000-78,000 DBP. Tow tractors are available in diesel, electric, and gasoline.

AviationPros.com/12235181



▶ ALL-PURPOSE VEHICLE

Lift-A-Loft Corporation

The Lift-A-Loft APV (All-Propose Vehicle) is designed to withstand the demands of a hectic ramp environment. The APV can be configured in several different versions, such as high speed tow, lavatory/potable water, maintenance lift, catering truck, crew van, ambulatory lift and many more applications.

AviationPros.com/10027483



▶ JP100S - 100,000 LB CAPACITY

Jetporter

The redesigned JP100S uses some of the latest innovations in battery motive technology. Separately excited motors and regenerative braking give the JP100S better throttle control, lower power requirements, longer run time between charges and ease of operation. The new features make the JP100S FIRST in it's class!

AviationPros.com/12111176



▶ CT5G BAGGAGE TRACTOR

Charlotte of America

The CT5G comes with a choice of two gas engines - either a Ford four-cylinder, 2.5-liter engine or a four-cylinder, 2.8-liter engine from Zenith Power Products LLC - or a Deutz diesel engine. It has a Paillard axle in front and an AxleTech axle in back.

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HERCULES Harlan Global Manufacturing LLC

The Harlan Hercules is currently available in a 16,000- to 20,000-pound drawbar. Future line expansion will have these available in 12,000- to 25,000-pound drawbar. This heavy-duty unit is in use all over the globe and will take care of towing requirements for aircraft up to a B-737.

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DOUGLAS AIRCRAFT TOWING TRACTORS Douglas Equipment Ltd.

The company's complete range of towbarless and conventional aircraft towing tractors can handle all aircraft up to and including the A380, offering airlines and ground handling companies significant opportunities to reduce their operational costs and improve their operational efficiency.

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NMC-Wollard Inc.

Model M400 tractor has 25,000 to 48,000 lbs. DBP rating, which is the most powerful tractor in the NMC-Wollard product line. Model M400 features 4WD, 4-wheel steer, dual planetary reduction drive axles, Cummins 6.7 liter turbocharged diesel and a rugged 6-speed Power shift automatic transmission.

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H9935 HEADSET

David Clark Company Inc.

The H9935 headset is designed for use with David Clark Series 9900 Wireless Systems for ground support operations. The H9935 model features a new, M-2 microphone for clear speech clarity and high-profile ear domes for increased noise reduction. A new, over-molded flex boom assembly provides added durability in rugged ramp environments.

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CHOCK AND CONE TROLLEY

SafeSmart Access

The SafeSmart Access Chock and Cone Trolley allows ground staff to avoid tripping hazards by providing a portable place to keep wheel chocks as well as safety cones. The unit can be maneuvered easily around the ramp without the need to engage large vehicles.

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SAFETY WAND HD

Safety Wand Corporation

Safety Wand HD is available in orange or yellow color options; and On/Off or On/Off/Flashing options.

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CT-DECT GATECOM 3W

CeoTronics AG

The CeoTronics CT-GateCom 3W communications system is the perfect choice for companies such as full-service ground handling providers, who need customer-specific solutions and expect high standards of reliability and flexibility. In this context, CeoTronics offers everything that a modern, effective ground handling setup requires, while also taking into account the relevant security aspects.

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TRULINK WIRELESS INTERCOMMUNICATION SYSTEM

Telephonics

The TruLink Wireless Intercommunication System delivers clear communications through full duplex, hands-free technology. The lightweight and rugged units operate reliably in high noise environments, providing flawless communications coverage.

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▶ SURE-START BATTERY PROTECTION

Safety Systems & Controls Inc.

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▶ CAMERA SYSTEMS FOR GSE

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Orlaco vision system could help airport vehicle operators narrow the damage and incident gap. These vision systems give airport vehicle operators a sharp, real time view of whatever the camera sees through a high quality dashboard mounted monitor. Front-mounted Orlaco cameras with application-specific angles allow a push-back truck operator to see clearly behind a smaller plane; then it can be backed up into position with potential ease.

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Andax Industries LLC

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The Eartec Company

The ComStar Full Duplex Wireless system by Eartec now has double the capacity, going from 8 up to 16 users. Now larger teams can enjoy simultaneous, hands free communication within an 800-yard range. The all-in-one headsets are completely wireless and there is no delay when transmitting. This is achieved by interlinking ComCenters which are fully portable, operating by rechargeable battery or AC power. The system is dual channel with a "conference" option so that two separate groups can talk privately or combine their signals.

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A Positive Atmosphere Can Create More Clouds

The admiration shown at the International Airport GSE Expo's opening reception should inspire others to devote themselves to this industry.

My first exposure to the industry during the International GSE Expo in Las Vegas was a real treat.

In addition to getting an up-close look at various pieces of ground support equipment, I actually got a couple of up-high looks too, taking in the exhibiting space from the vantage point of a few deicers as well as a catering truck.

I met many GSE experts with a tangible passion for the work they do and a dedication to do their work well.

I think the biggest takeaway I had from the show is how much that passion and dedication is respected through the GSE industry.

Take for example Dick Cloud, *Ground Support Worldwide's* Lifetime Achievement Award winner. I assure you he has passion and dedication - but if you don't believe me, read the May issue's cover story that chronicles his career.

The respect for Cloud's dedication was on full display during the opening reception on the show floor as a throng of people gathered to see him recognized alongside Johnathan Bluth and Xced Aviation - the Team Leader and Service Leader of the Year.

I found the enthusiasm surrounding Cloud's recognition and the admiration people had for his work to be inspiring. A turnout that size to honor another's work showed the camaraderie of the GSE industry that I had heard about prior to the show.

Cloud, along with Bluth and the team at Xced, have a lot to be proud of, but moments like the one we saw at the opening ceremony are something the GSE world can be, and should be, proud of.

A positive environment will only serve to attract more people to this industry and produce more people like Dick Cloud. And that would benefit us all.



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