

A Supplement to AMT Magazine

AMT

Aircraft Maintenance Technology

TOOLS AND EQUIPMENT

Written by aircraft maintenance professionals
for the professional maintenance team

Official publication for AMTSociety



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Diagnostic and Test
Equipment

Products
of the Month



September
2011



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PUBLISHED BY Cygnus Business Media

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at 1-800-875-3251 or email sales@fosterprinting.com

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By Ronald Donner



New Safety Supplement

International Powered Access Federation's (IPAF): Elevating Safety

Paging through this month's Tool and Equipment supplement you will come across our Product Spotlight on diagnostic and test equipment, as well as featuring numerous Products of

the Month. *AMT* regularly hears from our readers saying these highlights of aircraft maintenance products, tools, and equipment are always a hit.

Many times we are able to match article content with featured products. This is the case with a new book mentioned in our Product Spotlight simply titled, "Hardware Reference Book". One of the technical articles in this month's issue of *AMT* is titled, "Aircraft Fasteners" and describes several of today's common use hardware types and application selection criteria.

This month we are excited to announce something additional — a new safety-related supplement titled "IPAF: Elevating Safety." IPAF's Elevating Safety, which is also published by Cygnus Business Media, is the official publication for the International Powered Access Federation (IPAF). Cygnus Editor Jenny Lescohier has assembled a great group of articles focused on aerial lifts and elevated work platform safety.

As any aircraft technician will certainly agree, aircraft maintenance requires us to either occasionally use, or regularly work from scaffolding or other elevated work platforms; it's part of the job. Understanding safe practices, using proper equipment, and being properly trained are all part of working on elevated platforms. By including this supplement *AMT* readers can have added benefit from reading best practices and learning from others through IPAF's Elevating Safety. As an example, one of the articles featured in this issue is titled "Aerials and Aviation" and you will also find articles relating to elevated work platform training from the American Work Platform Training (AWPT).

Enjoy the new supplement, Ron



Elevating Safety: Understanding safe practices, using proper equipment, and being properly trained are all part of working on elevated platforms.

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SPOTLIGHT

ON DIAGNOSTIC AND TEST EQUIPMENT



Videoscopes

Lower cost, superior reliability, and ease of use. Sound unbelievable? The ECO-6 portable videoscope offers still image and streaming video recording capabilities. Its lightweight, handheld design means that it can be carried anywhere — providing solutions when and where you need them. The ECO-6 is powered by four AA batteries and provides hours of operations and now waiting for your batteries to recharge, just simply replace them and keep working. *For more information visit www.Borescopesrus.com.*



Video borescope

The narrow 4.3mm and 6 mm diameter Quasar two- and four-way articulating videoscopes are excellent for inspecting engines, air foils, and any other areas that require remote access. They feature strong stainless-steel braiding, tip articulation to thoroughly inspect the area, and image/video capture to document the work done. The built-in lithium battery provides more than six hours of continuous use. They weigh 2.2 kg and in the case 8 kg. *For more information visit www.meditinc.com or call (800) 239-9934.*



Touchscreen coating thickness measurement instrument

Fischer Technology's DUALSCOPE FMP100 touchscreen coating thickness measurement instrument harmonizes the flexibility and capabilities of PC-based lab instruments with the manageability of compact portable units. The unit has Windows CE operating system with a graphical user interface and a user definable file and folder structure. It offers numerous configuration options for a clear presentation of results and the drag and drop feature enables the user to create application specific interfaces. The FMP100 and the various F-Probes form an integral measurement system with precise repeatability. *For more information call (860) 683-0781 or visit www.fischer-technology.com.*

Joystick-controlled borescope

RF System Lab manufactures the VJ-ADVANCE, a highly portable video borescope with joystick-controlled, 360-degree camera articulation. It features a larger built-in 3.5-inch LCD monitor, 2x digital zoom, and 640 x 489 resolution. The ergonomic design allows easy one-handed operation of all key functions. This battery-operated borescope weighs less than 2 pounds, and offers on-board photo, video, and audio recording capability. Available with 6.9 mm or 3.9 mm diameter insertion tube, it can also be used in corrosion inspections and for visual documentation of internal failures and foreign object damage. *For more information call (989) 731-5083 or visit www.rfsystemlab.us.*



Ultraviolet lamps

The MAXIMA ML-3500 Series ultraviolet lamps use advanced micro discharge light (MDL) technology, plus a unique filter and bulb/reflector, to deliver up to 10 times the UV-A (365 nm) output of conventional HID inspection lamps. The ML-3500S features a spot reflector and has a nominal steady-state UV-A intensity of 50,000 $\mu\text{W}/\text{cm}^2$ at 15 inches (38 cm). The ML-3500D with a spot reflector and diffusing filter has a nominal steady-state UV-A intensity of 14,000 $\mu\text{W}/\text{cm}^2$ at 15 inches. The ML-3500FL features a flood bulb that delivers a nominal steady-state intensity of 4,500 $\mu\text{W}/\text{cm}^2$ at 15 inches. All bulbs feature a rated life of 2,000 hours. MAXIMA Series lamps are available in 120v, 230v, 240v, and 100v AC versions as well as battery-operated versions. A battery recharger and carrying case are included. *For more information call (800) 274-8888 or visit www.spectroline.com.*





Ultrasonic diagnostic tool

Spectroline's Marksman ultrasonic diagnostic tool is a highly accurate instrument that converts and amplifies inaudible ultrasonic sound into audible "natural" sound. Now, aviation technicians can easily hear sounds that signify problems such as compressed air, vacuum, pneumatic and other pressurized leaks. It can also check for electrical discharge due to insulation breakdown, carbon tracking, and arcing. The Marksman uses a two-tiered process to ensure accurate diagnosis. The receiver unit converts inaudible sound into audible sound using a process known as heterodyning. Then, the receiver's Sound Signal Technology fine-tunes the audible sound into the natural sound emitted by the defect itself. A 10-bar LED display indicates the intensity of incoming signals. The MDE-1000 Marksman Master Kit comes complete with a receiver, full-sized headphones, two probes, and an ultrasonic emitter. Standard 9-volt alkaline batteries are included. *For more information visit www.spectroline.com or call (800) 274-8888.*

Video/still recording digital borescope

The BK6000 video/still recording digital borescope from Snap-on Industrial has been approved by the FAA as an Alternative Method of Compliance (AMOC) for inspection on aircraft manufactured by Commander Aircraft Corp., Gulfstream Aerospace Corp. and Rockwell International (models 112, 112B, 112TC, 112TCA, 114, 114A, 114B and 114TC). It features 2x digital zoom; 8.5 mm diameter imager head to fit into tight places; removable, rechargeable Lithium-ion battery pack; 120v AC plug-in; two-year warranty; and captures still images at 740 x 480 resolution. *For more information call (561) 212-6404 or email scott.b.steward@snapon.com.*



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SPOTLIGHT

ON DIAGNOSTIC AND TEST EQUIPMENT



Video borescope

Schoelly Imaging Inc. offers the EzyScope video borescope. Small and sturdy, the 4 mm videoscope offers two-way tip articulation and features integrated high powered LED illumination and brilliant full screen video. Available in synthetic or tungsten sheathing, the EzyScope working length is 1,000 mm with forward view and 85-degree field of view. Recognized for its superior functionality and ergonomics, it has a stand-alone CCU, (camera control unit) providing LED intensity control with both composite video output and USB 2.0 digital output for image capture. *For more information call (508) 926-8855 or visit www.schoellyimaging.com.*

liant full screen video. Available in synthetic or tungsten sheathing, the EzyScope working length is 1,000 mm with forward view and 85-degree field of view. Recognized for its superior functionality and ergonomics, it has a stand-alone CCU, (camera control unit) providing LED intensity control with both composite video output and USB 2.0 digital output for image capture. *For more information call (508) 926-8855 or visit www.schoellyimaging.com.*



Portable video borescope

The Hawkeye rigid video borescopes offer the convenience and image quality of video, built right into every scope. This line of direct-to-video borescopes has integrated CCD cameras built into each of 18 models of Hawkeye Pro rigid borescopes, in five different diameters from 1.85 to 7.2 mm. When used in conjunction with the optional portable video monitor or a computer, image and video capture is as easy as the touch of a button. Images can also be viewed on most any video monitor. These rigid videoscopes have all the features and excellent optical quality of Hawkeye Pro rigid borescopes, including patented e2 endoGRINs lenses, delivering bright, crisp, clear image. Hawkeye rigid video borescope features include: three viewing options, easy image capture, complete portability, and lengths: 7 - 37 inches. *For more information visit www.gradientlens.com or call (800) 536-0790.*

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Calibration services

Aero Standard Calibration calibrates and repairs avionics test equipment and precision measurement tools. It has more than 30 years of experience in precision measurement services and its personnel have the training and ability to calibrate and repair down to component board level. Some of its capabilities include COMM, frequency, analog/digital multimeters, oscilloscopes, Mode S, pulse, radar, RF generators, synchro/resolvers, angle position indicators, VOR/ILS and fuel quantity. The company is based in Lewisville, TX. *For more information visit www.aerostandard.com or call (877) 521-2600.*

Thermal imager

The Fluke Ti9 is a high-performance, affordable thermal imager that is ideal for troubleshooting electrical installations as well as electro-mechanical, process, and HVAC/R equipment. It delivers rugged, reliable performance that is affordable and easy to use. The Fluke Ti9 delivers crisp, clear images on a large widescreen full-VGA-color LCD display that allows technicians to get the full picture instantly. It features a thermal sensitivity of $\pm 0.20\text{ C}$ at 30 C target temperature (200 mK) to identify even small temperature differences that could indicate problems. It has an IP54 rating for withstanding dust and water, and is designed to survive drops of up to 2 meters. The built-in cover and lens guard protects the lens when not in use. It comes complete with a 2GB SD memory card, multi-function memory card reader, rechargeable internal battery, AC charger/power supply, adjustable hand strap, soft carrying case, and a rugged, hard carrying case. *For more information call (800) 760-4523 or visit www.fluke.com/thermography.*



Test Set

The Aeroflex APM-424(V)5 IFF (Identification Friend or Foe) portable test set has received full certification from the U.S. Department of Defense (DoD) AIMS International Program Office. The tester is in full compliance with DoD AIMS 03-1000A performance standards for Mark XIIA performance and ICAO Annex 10 international standards for Mode S ELS/EHS performance for ramp testing of IFF transponders and interrogators. The APM-424(V)5 is the first available, portable MK XIIA Mode 5 Level 2/ Mode S ELS/EHS test set that has received full certification from the DoD AIMS Program Office. The APM-424(V)5 replaces the APM-424(V)3, TS-4530, and TS-4530-1. Upgrade kits are available. *For more information call (800) 853-2352 or visit www.aeroflex.com.*



4 mm videoscope

Machida has an addition to its innovative videoscope product line. In addition to its standard 2 mm and 3 mm videoscopes and its 3 mm Working Channel Videoscope, it now offers standard videoscopes with 4 mm outer diameters. The 4 mm videoscope (VSC-4-140-N(P)) works with either the 15-inch video processor (7-5050) or the portable 10-inch video processor (7-6060). It features programmable settings, full screen presentation, archived image review/playback, white balance control, screen brightness control, light intensity control, and image orientation control. *For more information visit www.MachidaScope.com.*

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PRODUCTS OF THE MONTH



Insulated tools

Wiha Tools now offers 1,000-volt insulated offset ring wrenches, end cutter, hacksaw, voltage detector, hex metric screwdrivers, and insulated belt pack sets. Insulation is certified according to EN/IEC 60900, ASTM F1505, NFPA-70E. Insulation is tested for adhesion to make sure it is properly applied to the tools when kept in a temperature of +70 C. All Wiha Insulated tools are tested and certified to 10,000v AC/1,500v DC and meet OSHA requirements for use in applications where safety insulated tools are called for. *Visit www.wiha-tools.com or call (800) 494-6104 for more information.*



Handheld LED spotlight

Larson Electronics' Magnalight.com has added the HML-7LED-3C 21 watt handheld LED spotlight with 100-pound grip magnetic base to its line of 12/24-volt spotlights. This magnetic mount LED spotlight produces a 650-inch long by 50-foot wide light beam with 1,596 lumens of light while drawing only 24 watts of power at 1.7 amps from a 12-volt electrical system. A heavy gauge steel handle mount and solid reverse pistol grip handle allow the operator to easily maneuver the light while a tensioned steel hinge holds the desired position once released until the operator moves it again. *For more information visit www.Magnalight.com or call (800) 369-6671.*

Welding upgrade

Lincoln Electric releases the first VRTEX 360 software upgrade since the launch of the training system in 2009. The upgrade package includes new enhancements and features, such as an expanded offering of welding consumables with the addition of AWS E6013 stick electrode. Functionality is also enhanced with the integration of a theory function which explains and defines elements for the welding student. *For more information email lincoln@ultlead.com.*



Hand crimp tool

Daniels Manufacturing Corp. (DMC) has developed the GMT1090 hand crimp tool for TE Connectivity's new Cold Applied Environmental Splices (M81824/12-xx). It crimps Cold Applied Splices sizes 26-20, 20-16, and 16-12 AWG. No heat required so there's no need to de-fuel aircraft. The handles will not open until they have been fully closed and the crimp completed. The jaws include a min/max wire strip gage to help ensure proper strip lengths. It is 8 3/4 inches long and weighs .75 pound. *For more information visit www.DMCTools.com or call (407) 855-6161.*



Portable booth

Shop-Pro Equipment announces that its mobile work station line of portable booths has been certified as compliant to the U.S. EPA National Emission Standards for Hazardous Air Pollutants Rule: 40 CFR 63 Subpart HHHHHH (commonly known as EPA 6H) for use in surface coating operations. It provides a clean work area for prepping, sanding, or limited high quality painting anywhere it's needed. *For more information visit www.shop-pro.com or call (800) 242-6870.*



Parts cleaner

The Oil Eater 45-gallon water-based parts cleaner features a thermostat preset to deliver an optimal cleaning temperature of 110 F, which enhances solution cleaning effectiveness and minimizes liquid waste. The unit is made of heavy-duty industrial grade high-density polyethylene plastic. It measures 24"W x 31"L x 9"D. A 19-gallon version, with identical features, measures 19"W x 29"L x 15"D. *For further information visit www.oileater.com or call (800) 528-0334.*



Aqueous cleaner

Petroferm Inc. introduces CleanSafe 686 Aqueous Cleaner, an innovative cleaning solution recommended for cleaning today's aerospace components and assemblies. CleanSafe 686 does not require chemical additives, boosters, or pH adjusters to help monitor concentration or maintain cleaning effectiveness. *For more information visit www.petroferm.com.*



Captain America auto-darkening helmet

A limited edition Lincoln Electric Captain America VIKING 2450 Series welding helmet features an American flag motif and armed with his signature shield. The helmets have a generous 2.4-inch viewing area height in a U.S. standard 5.25- x 4.50-inch-sized lens cartridge with four arc sensors. The shade level is adjusted with an internal continuously variable 9-13 shade control. An internal "grind mode" allows the helmet to be used as a grinding shield for weld prep or post-weld clean-up activities. The helmets weigh in at 21 ounces (602 g). *For more information call (888) 355-3213 or visit www.lincolnelectric.com.*



Waterless washing

Aero Cosmetics offers the Bug Buster/Mini Mop — the next generation of the Wash Wax Mop. It is a two-sided scrubber mop designed for waterless washing of aircraft. It will not scratch and is safe on all surfaces, including glass, paint, gel coat, leather, vinyl, and aluminum. The wrap-around chenille microfiber pads on the Mini Mop are designed for delicate surfaces. Replace one side with the re-usable scrubber pad to turn the Mini Mop into the Bug Buster.

For more information call (800) 927-4929 or visit www.washwax.com.



Ratchet line

SK Hand Tool LLC offers the full line of SK-branded ratchets and ratchet sets featuring original SuperKrome plating. SuperKrome provides easy cleanup and maximum corrosion resistance. They feature a completely enclosed ratcheting mechanism that is simple to remove and replace for cleaning or rebuilding. Triple tooth contact provides smooth ratcheting action with little back movement, while the hardened pawl and teeth assure durability and a long service life. *For more information call (800) 825-5575 or visit www.skhandtool.com.*



Multipurpose mallet

Count On Tools Inc. offers the PB 304 multipurpose mallet from PB Swiss Tools. The mallets are extremely robust and feature wooden handles of FSC-certified hickory. Cushioning the recoil by weights in the mallet body allows full and precise strikes. The multipurpose mallet features two different shaped heads made of durable, wear-resistant polyamide. The hardened head features a steel plate (approximately 5 mm thick) covering the polyamide head for a flat striking surface. *For more information visit www.pbtools.com.*

PRODUCTS OF THE MONTH

Screw-holding tools

Bondhus Corp.'s line of ProHold Tip screw holding tools has expanded to include: T-handles, screwdrivers, and L-wrenches in both ballpoint hex and star tips, in a full range of inch and metric hex sizes from .050 through 3/8 inch, 1.27 mm through 10 mm and T9 through T55. All ProHold tools feature Bondhus' ProGuard finish, which offers five times more corrosion protection when compared to competitor finishes. *For more information call (800) 328-8310 or visit www.bondhus.com.*



Pump repair kit

Viking Pumps are designed to be easy to repair, and that process is even simpler with genuine repair parts kits, which are now available. Two kits are available for each size and material of pump. Seal Kits include everything needed to do a complete seal and bearing replacement. Rebuild Kits include parts commonly needed for a complete wet-end rebuild. Each kit includes an exploded diagram and parts lists, with a link to the pump's technical service manual. *For more information call (319) 266-1741 or visit www.vikingpump.com.*



Pneumatic liquid pump

Haskel provides a series of liquid pumps ideal for hydraulic fluids, solvents, liquefied gases, and water. The 8SFD2 model series pumps provide higher flow and pressure capabilities to Haskel's current 8-hp pump line. Pumps of various sizes are employed dependent on jack tonnage. Jacks currently using hand or electric pumps can be easily retrofitted. *For more information visit www.haskel.com.*



Professional-grade screwdrivers

The newly reintroduced SureGrip line of professional-grade screwdrivers from SK Hand Tool helps mechanics effortlessly gain leverage and maximize torque. One feature that has long set it apart is its square handle. It is resistant to shop solvents, oils and chemicals, further enhancing tool value. The chrome vanadium shaft strikes the perfect balance between strength and durability. It is backed by a full lifetime guarantee. *For more information call (800) 752-7263 or visit www.skhandtool.com.*

Blackhawk tool line

Blackhawk by Proto has added 525 items to its mechanic's tool line, bringing the total offering to nearly 1,600. The additions range from ratchets and socket sets to screwdrivers, pliers, and wrenches. Added features include tri-material, composite tool grips that are cushioned for more comfort; and larger, laser etched markings that are easier for the technician to read. Some of the new tools also have features designed to minimize foreign object damage (FOD) to equipment. Piece counts range from 22 to 1,170 tools. The ratchet comes with an ergonomically designed handle and is available in standard and quick release versions. Each of the line's new 4Box ratcheting wrenches will accommodate four sizes of fasteners rather than two. That is because each side of the wrench's two heads fits a different size fastener. The tools are backed with a limited lifetime warranty. *For more information call (800) 800-TOOL or visit www.stanleyproto.com.*

Bio-based cleaning solvent

Petroferm's RE-ENTRY Prepsolv, a bio-based cleaning solvent, has been approved by Boeing Commercial in accordance to Boeing's BAC 5750 Solvent Cleaning Specification. Formulated for manual or immersion cleaning, it is selected when a bio-based solvent with fast drying, excellent solvency, and low surface residue is required. It is also selected due to its low volatility or vapor pressure. It removes hard-to-clean soils such as adhesive residues, buffing and polishing compounds, corrosion inhibiting compounds (CICs), cosmoline, greases, hydraulic fluids, silicone, and waxes. *For more information visit www.petroferm.com.*



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PRODUCTS OF THE MONTH



Screwdrivers

SK Hand Tool LLC offers the CushionGrip screwdriver line. Comfort and control is achieved by a dual durometer handle providing a soft, yet secure grip that won't slip in the user's hand, even when slick with sweat or oils. The key is a patented Thumb Valley positioned at the bottom of the handle in three places giving total control. On the business end of the CushionGrip is a vapor-blasted, long-life tip that holds tight to fasteners, along with a heavy-duty Chrome-Vanadium steel shaft plated with nickle-chrome for superior corrosion protection. *For more information visit www.skhandtool.com or call (800) 752-7263.*

Welding kit

The Master Proheat plastic welding kit, Model PH-1400W, from Master Appliance Corp., is a self-contained, general purpose welding system. The kit is built around the compact, lightweight LCD Model PH-1400 dial-in electronic heat gun.

The heat gun's dial-in feature offers 10-degree increment temperature control from 130 F to 1,000 F (50 C to 540 C) and control of airflow from 4 to 16 cfm (113 to 453 l/min). *For more information visit www.masterappliance.com or call (262) 633-7791.*



DEF dispensing hose reels

Reelcraft offers its DEF dispensing line of spring retractable hose reels. Internal fluid path parts are made from 304L grade stainless steel and feature Viton O-rings. Goodyear DEF dispensing hose and adjustable bumper included. *For additional information call (800) 444-3134 or visit www.reelcraft.com.*



Stainless-steel water coolers

Weldcraft offers six models of stainless-steel water coolers designed to provide consistent, long-term cooling performance on both TIG and MIG welding applications, as well as plasma cutting operations. Each of the water coolers is available in 115- and 230-volt models and operates on single-phase power. To reduce coolant temperatures and resist corrosion, the water coolers feature a rugged, stainless- steel coolant reservoir that includes a closed-loop design with a radiator. *For more information call (800) 752-7620 or visit www.weldcraft.com.*



Metric ball end L-key set

Wiha Tools offers the ErgoStar Automatic Pro Series Metric Ball End L-key Set. It features fast auto open key holder. The keys are constructed of chrome, vanadium, molybdenum steel which features 60HRC through-hardened durability. The nine-piece set includes sizes: 1.5, 2.0, 2.5, 3.0, 4.0, 5.0, 6.0, 8.0, and 10 mm. Also, a 13-piece ErgoStar Inch Ball End Hex L-key set includes sizes: .050 to 3/8 inch is also available. *For more information visit www.wihatools.com.*



2-ton capacity single fall chain hoist

ARM Aerospace offers the "SNER" Series Aero-Lift, a 2-ton capacity single fall chain hoist. It can be wired to either 220 volts or 115 volts out of the box without replacing controls (contactors and transformers). It is fail safe and carries a 10-year warranty. It is backed up by a manual safety chain and is fully warranted. *For more information visit www.armaerospace.com or call (888) 526-3365.*



Safety earmuffs

NoiseBuster ANR Safety Earmuffs from Pro Tech Technologies combines high-performance passive earmuffs with advanced active noise cancellation technology for the most comprehensive hearing protection available.

Go to www.noisebuster.net or call (203) 210-7230.

Aerosol lubricant

RotaFoam Cutting Fluid is an extreme heavy-duty foamy aerosol lubricant that provides



superior protection to the cutting tool even in hard, high torque machining applications. It has "super sticky" properties to adhere to the tool and reduce friction throughout the cut. It is available in single net weight 17-ounce (482g) aerosol cans (Part No. 11747) or in a case of 12 cans (Part No. 11747-12). For

more information visit www.hougen.com or call (810) 635-7111.



Electronic torque wrench

The TechAngle electronic torque wrench from Snap-on Industrial now comes with a new cycle-counting feature which helps track required calibration cycles of torque-measuring instruments. It allows users to set the torque value in Newton meters, foot pounds, or inch pounds and angle of rotation. It then measures applied torque and angular rotation by using an inertial gyroscope. Cycle counting, an important new feature, has been added. The TechAngle torque wrench eliminates the need to measure angle of rotation with gauges and protractors, providing the most accurate and fastest way to achieve torque-plus-angle tightening sequences. It comes in three square-drive sizes: 1/4, 3/8, and 1/2 inch. For more information call (800) 446-7404.



Color tools

Sherwin-Williams Aerospace Coatings has developed a new opaque color card for its SKYscapes topcoat system. This collection of distinctive colors has been intentionally designed to easily complement the existing Sherwin-Williams Color Tool System. The new colors are featured on 28 Designer color sheets that can simply be added into the Designer color book. To further assist color selection, Sherwin-Williams also offers a SKYscapes Fan Deck, featuring the new palette of colors. For more information call (888) 888-5593 or visit www.swaerospace.com.



Ultrasonic cleaning

Save time/money with Pro Ultrasonics' hands-free, solvent-free ultrasonic cleaning systems. The Pro 4230 measures 56 inches long x 40 inches wide x 36 inches high. It has a total liquid capacity of 105 gallons. Go green and save money with this state-of-the-art cleaning. All standard equipment/models are in stock and ready for immediate delivery.

For more information visit www.proultrasonics.com or call (909) 397-4118.

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PRODUCTS OF THE MONTH



Aircraft covers

Trisoft is an easy to use foam cover product, that slips onto the corners of the gear doors, trailing edges, wing tips, prop tips, and antennas. It protects aircraft personnel and aircraft during maintenance, pre-flight checks, cleaning, etc. Trisoft covers are made of chemical and UV resistant EVA foam. The foam covers are designed to universally fit any aircraft edge or pointed surface. The covers should be removed before flight. *For more information call (631) 243-1700 or email sales@Dynatechintl.com.*



Aviation gear lubricant

ExxonMobil Aviation Lubricants adds Mobil AGL Synthetic Aviation Gear Lubricant (Mobil AGL) to its product line. The gear oil is especially beneficial to high-performance helicopters operating in extreme conditions. Mobil AGL is formulated with synthesized hydrocarbon-based fluids. The gear oil is specifically formulated to provide outstanding equipment protection, helping to extend oil life and enable problem-free operation. The gear oil is supplied in 5-gallon pails and 55-gallon drums. *For more information visit www.exxonmobilaviationlubes.com.*



Aluminum storage cabinets

Moduline' PRO II series pre-configured cabinet combinations are completely assembled when they arrive and are very easy to install with simple hand tools. All you need to do is measure the area the cabinets will be going in and order the appropriate size to fit your needs. They feature a high-gloss baked enamel finish and sealed clear anodized frames. Countertops come in aluminum, stainless steel, or butcher block and standard colors include red, white, blue, black, and grey (custom colors are available). Combo packages come in 8-, 10-, 12-, 14-, 16-, 20-, and 25-foot systems that can stand alone or work in conjunction with one another in a variety of ways. *For more information visit www.modulinecabinets.com or call (888) 343-4463.*



Hardware reference book

The Genuine Aircraft Hardware Reference book is a must-have for mechanics. With more than 300+ pages of technical info and comprehensive indexing, this reference book has become an essential tool for more than 70,000 general aviation individuals. The most recent edition is available free in the U.S., for a limited time only. *Call (888) 247-2738 on the West Coast, (877) 434-6889 on the East Coast, or visit www.gen-aircraft-hardware.com for details.*

Cable tie removal tool

The ACT Cable Tie Removal Tool from ACT Fastening Systems features a proprietary cutting head design which



has smooth, curved tips that slip behind a cable tie to pull it away from the wire harness and simultaneously cut it without nicking or damage. The hand tool can be placed anywhere on the cable tie strap for a fast cut and safe removal. Providing double insulated and cushioned grips, a return spring, lock, and properly leveraged scissor-action cutter, the tool is made from heat-treated alloy steel. Suitable for retrofitting and repairing wire harnesses in assembly and field service applications, it can safely remove plastic, copper, or aluminum cable ties up to 1/2 inch wide. *For more information visit www.actfs.com or call (800) 861-7228.*



Respirator

Welders can now obtain affordable protection from harmful particulate contaminants with the Jackson Safety Brand R60 Airmax powered air purifying respirator (PAPR). It comes complete with fully adjustable headgear and a welding helmet featuring a Jackson Safety W40 Series variable auto-darkening filter. The variable ADF is ideal for MIG, TIG, and stick welding. *For more information visit www.kc-safety.com or call (888) 346-4652.*



Auto-darkening helmet

The VIKING 3350 Series auto-darkening welding helmets from Lincoln Electric feature top-quality LCD optics for a clear, natural view in varied ambient light settings. The helmets come in standard black and four additional graphic styles — Patriot, Tribal, Motorhead, and Chip Foose-designed Terracuda. The black helmets include a decal sheet, allowing the user to customize it with flags, logos or letter characters. *For more information visit www.lincolnelectric.com.*



Aircraft hangar doors

Machine Tool & Fab Corp. manufactures Para-Port aviation and industrial fabric doors. They can be readily installed on new installations or as replacements. Custom-made doors can span up to 145 feet wide and 50 feet tall. They are a fabric bottom-roll door that resembles an upside-down window shade where the roll is at the bottom. *Call (419) 435-7676 or visit www.ParaPortDoor.com or www.MachineToolAndFab.com.*

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PRODUCTS OF THE MONTH



Aircraft cleaner

AV-8 aircraft cleaner is a bio-based Type IV cleaner. It qualifies to MIL-PRF-87937, T.M. 1-1500-344-23, MIM-05-005, DMWR's, and is AMCOM approved for use on Army helicopters. Its low emulsifying formula makes it ideal to be used in oil/water separator systems. Use it to clean and degrease painted and unpainted aircraft exteriors, aerospace ground equipment, and engines. Available in 24-ounce RTU or in a concentrated form in 5-, 55-, 220-, or 275-gallon sizes. *For more information visit www.permatex.com or call (518) 762-2695.*



Pliers and cutters

Wiha Tools offers a line of Industrial SoftGrip pliers and cutters. Pliers and cutters provide maximum comfort in daily use, smooth operation and optimum force transmission without uncomfortable pressure points. Anti-slip pliers and cutters with soft dual material for safe gripping. Twenty-three styles include: combination pliers, lineman's crimpers, stripping pliers, long nose, bent nose, long flat nose and round nose pliers, diagonal cutters, cable cutters, and adjustable pliers. They feature a standard natural brushed finish and special chrome vanadium tool steel. Precise aligned cutting edges are induction hardened to approximately 62 HRC. An ergonomic two component handle with non-slip soft grip surface, protects the hand and reduces manual effort and user fatigue. *For more information visit www.wihatools.com or call (800) 494-6104.*



Power Wave C300 welder

Lincoln Electric's Power Wave C300 is a portable, multi-process power source specifically designed with high-end functionality for a wide variety of materials and applications. It is ideal for applications and materials where arc performance is critical – including aluminum, stainless steel and nickel. It features Lincoln's patent-pending PowerConnect Technology, which allows you to automatically switch from 200-600 volts, 50 or 60 hertz and single- or three-phase welding with no manual reconnect. This technology provides a constant welding output with an incredible input line voltage compensation range of up to +43 percent and down to -60 percent when used on 460v AC input. The C300 also utilizes the latest patent pending Tribrid Power Module that offers an industry leading 88 percent efficiency at 250 amps and a power factor of 0.97 for low operating costs. Weighing just 91 pounds, the size offers users a portable, easy-to-transport system, easy to take with them even for off-site welding applications. *For more information call (888) 355-3213, visit www.lincolnelectric.com, or email lincoln@ultlead.com.*



Basecoat adhesion promoter

SKYscapes basecoat adhesion promoter is a high performance, single component product that extends the basecoat non-sand overcoating window. Designed exclusively for SKYscapes, it complements and further broadens the system's 72-hour recoat time. The adhesion promoter is easy to mix and apply, with just a light (.2 or .3 mils) spray to create a chemical bond with the existing basecoat. No additional sanding is required. The adhesion promoter helps the SKYscapes basecoat-clearcoat system deliver faster processing time, more color application, and easier maintenance than traditional single-stage systems. This allows aviation MRO facilities and their paint shops to augment production schedules and turnaround more paint jobs. *For more information call (888) 888-5593 or visit www.swaerospace.com.*

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