

become essential to seek environmentally friendly alternatives,” said Matthew Baratta, Daimer spokesperson. “Daimer’s new Eco-Green products were designed to set a new green standard for metal fabrication and machine shops.”

Daimer’s Eco-Green formulations are derived from plants and vegetables without any ozone-depleting substances, synthetics or volatile

organic compounds (VOCs). In addition, Eco-Green products have been certified as readily biodegradable. The chemicals biodegrade by more than 90% within 28 days, or about 50% faster than most competitors, according to testing performed by an internationally-known laboratory. The products are also safe to use and clean, as evidenced by all zero values on the National Fire Protection Association

(NFPA) hazard diamond.

The Eco-Green line employs Daimer’s unique Micro-Blasting technology, which uses nano-based particles, 1/80,000 the thickness of human hair, to penetrate unwanted substances and pierce the carbon bonds holding dirt and grease molecules together. As a result, the particles are easy to remove and less likely to re-adhere to cleaned surfaces.

Ultra-Power Degreaser quickly penetrates grease, oil and dirt and can be used on equipment, tools and industrial flooring. Ultra-Power Parts Washer & Cleaner is a more specialized product that also dissolves grease, oil, and other organic substances. Stainless Steel Shine & Protector is a fast-acting formula that cleans, shines, and seals stainless steel surfaces. The Eco-Green line also includes two kinds of hand soap (foam or gel) that degrease without harsh effects.

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Casella TUFF Air Sampling Pumps Designed for Harsh Environments

Working in harsh environments can expose employees to dangerous airborne particulates, such as lead, mold or asbestos. To combat this serious health issue, Casella USA introduced its TUFF line of personal air sampling pumps featuring a sealed case with rubber over-molding that protects internal electronics from damaging moisture, extreme temperatures, solvents, and impact.

Offering a wide flow range from 5 ml/min to 4.5 l/min, the three pumps

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Casella TUFF air sampling pump.

that comprise the new TUFF line are designed for a wide range of occupational health applications from simple abatement sampling, to more specialized industrial hygiene monitoring of dusts, fumes and vapors. All pumps incorporate a double-acting diaphragm pump mechanism with digital control. This offers the user excellent real-time flow control and stability across a wide range of sampling media, according to Casella's press release. Operation is guided by a user interface displaying real time flow, sampled volume and run duration, a battery "fuel gauge" and an alarm for flow or battery fault conditions.

Customers can purchase the pump they need from either the TUFF Standard, the TUFF Plus, or the high-end TUFF Pro. Versatile choices easily enable safety professionals to customize a TUFF pump for specific requirements by a combination of firmware programmed into the main pump body, either a 1.7 or 2.7 Ah battery pack, a 3 or 4.5 l/min maximum flow rate capacity, and different battery cell chargers to make a fully working assembly. Each of the pumps has 4.8V NiMH rechargeable battery cells with maximum run times

of up to 40 hours with a 37 mm GFA cassette, making TUFF pumps useable when there is no electrical power within the sampling area.

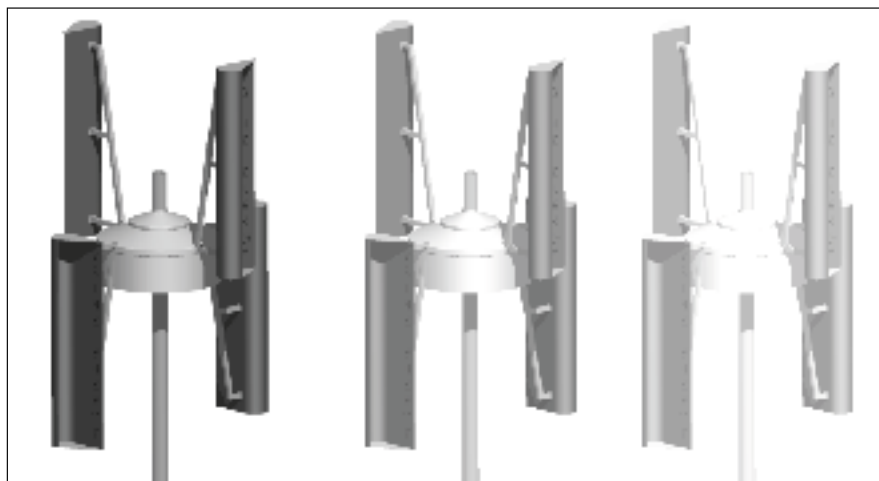
Rounding out the introduction is a full line of accessories including sampling heads, bubblers, filter media, and sorbent tubes, along with several rotameters and calibrators to calibrate TUFF pumps to ensure compliance to sampling methodologies.

Casella TUFF air sampling pumps meet EN1232 and NIOSH 0600 requirements for personalized sampling pumps in workplace environments, and are pending approval for IEC Ex, ATEX and UL listing as being intrinsically safe. The pumps became

available in the late second quarter of 2009 with an MSRP starting at \$575 (U.S.) for the standard model and a single charger.

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BY FRANKLIN WIND ENERGY GROUP

HOW OUR SYSTEM WORKS

The Franklin-Vbine is a Vertical Access Wind Turbine (VAWT). Its unique design produces power where required at low noise and low RPM. It is easy to install in multiple settings such as roof tops, cell towers, oil rigs, barns/silos and utility poles.

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- Wind power is free
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- Energy can be used immediately or stored in batteries

CORE INNOVATIONS

- Offset and cowed blades that create lift
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- State of the art permanent magnet generator
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- Cylindrical shape and design
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