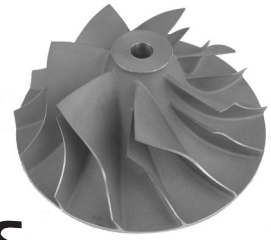




# Air Superiority News



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vortron.com

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## Vortron's Technology In Review –

### “The Mustang Legacy”



Since 1964, the Ford Mustang has developed a following among backyard mechanics, automotive enthusiasts and collectors. The Mustang's well respected performance has been universally recognized since the 1964 1/2 legendary Shelby GT-350 - race rated at 350 horsepower - came on the scene.



Today Vortech Engineering offers superchargers for 1965-70 Mustang 289/305 carbureted engines, and for fuel injected engines starting with the '86 5.0L H.O., including the '99 Mustang Cobra 4.6L and though the 2003 Mustang 4.6L. These supercharger systems can produce up to 1,400 HP and boost levels to 30 PSI, in race trim. This high level of performance is the result of technologically advanced, high-efficiency impeller and housing designs developed in our SAE Standard J-1723 compliant test facilities.

## State-of-the-Art Testing Capability

Based upon 12-plus years of industry-leading turbomachinery design and development, Vortron incorporates advanced experience into optimizing its **AIR-POWER™** X40, Z40 and J70 blowers. This expertise has achieved blower peak efficiencies of 79%! Vortron's gas compressor test stand, developed and operated in accordance with SAE Standard J-1723, has played a key role in the exhaustive engineering and developmental work invested in the **AIRPOWER™** product line.

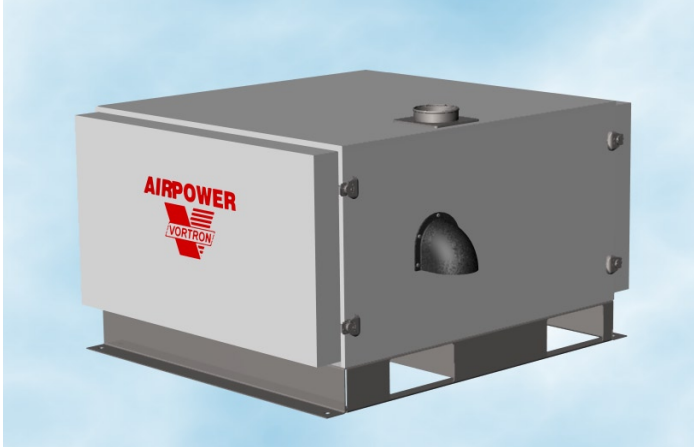


The Society of Automotive Engineers in association with industry leader (including Vortech Engineering) originated this standard in 1995. The standard establishes requirements for bench testing, describes necessary facilities and test equipment, list reference atmospheric conditions for performance corrections, establishes measurement and accuracy standards for instrumentation, details test procedures and sets forth methods for data analysis. The resulting goal is to establish a comprehensive standard by which compressor performance may be determined and evaluated.

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## Vortron's Enclosure Systems

**AIRPOWER™** is developing a new line of air knives, components and accessories for 21st Century industrial air applications. We will be introducing new additions in coming issues of this newsletter.



Our newly developed **AIRPOWER™** Wash-Down blower enclosures constructed of non-corrosive polypropylene and stainless steel materials, and is designed to accommodate the exclusive **Fresh-Air™** System. Warm air discharge from the **Fresh-Air™** system is exhausted and not allowed to enter the blower inlet. **Quiet Operation** - 85 dB or less at 3 ft., comparable to an air-conditioner.

## Vortron's Shows/Meetings

For a more extensive list of shows and meetings, refer to our WEB site at [Vortron.com](http://Vortron.com).

### January 13-15, 2003

2003 Northwest Food Manufacturing & Packaging Expo, Convention activities at the Washington State Convention & Trade Center, Seattle, Washington.

## March 3-6

**CleanTech** will co-locate with National Manufacturing Week at McCormick Place Complex, Chicago, IL. So, mark your calendar to attend the 10th Annual **CleanTech 2003** Cleaning Technology Exposition - the only exposition dedicated to precision and parts cleaning applications. Vortron will be exhibiting its **AIRPOWER™** Mobile-Aire portable blower unit and air knife systems. Visit us at booth numbers 316 & 318.

**March 12-13** – 14th Annual Central Valley Engineering & Maintenance Show, Modesto, CA.

## Thanksgiving Trivia



"The First Thanksgiving" was a traditional English harvest celebration. It was only in the nineteenth century that this event became identified with the American Thanksgiving holiday. The holiday itself evolved out of a routine Puritan religious observation, irregularly declared and celebrated in response to God's favorable Providence, into a single, annual, quasi-secular New England autumnal celebration. The first formal observation was during the American Revolution (late 1770's) when the Continental Congress suggested a day of national thanksgiving.