



Creating A Productive Climate
for the People
Who Move Our World

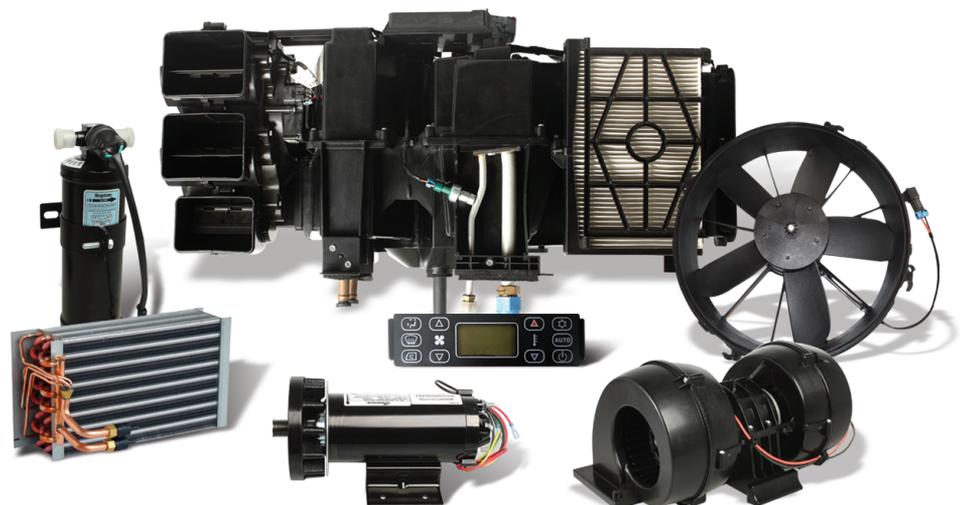


Creating A Productive Climate for the People Who Move Our World

Bergstrom started in 1949 and has since grown into one of the world's leading manufacturers of climate control solutions for the commercial vehicle industry.

With more than 60 years of experience, Bergstrom has developed a strong understanding of the unique climate control challenges in many different industries and regions. Many of the world's largest and most admired vehicle manufacturers have trusted Bergstrom to keep their customers comfortable and productive.

Bergstrom China was established in 1998. It is located in Changzhou, Jiangsu province, which is 120 km away from Shanghai. With more than 10 years of development, our products and service sales revenue has reached 120 mil US dollars and our total land area is 32,000 square meters.





Industries we serve



Cab Assembly Operations

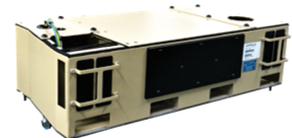
In 1998, Bergstrom began a partnership with Caterpillar in Joliet, IL to assemble cabs. The facility occupies a land area of 26,245 square meters with 250 Bergstrom employees and 50 Caterpillar employees.

Central to our mission is the dedication to develop functional, durable and reliable engineered products that meet our customers' requirements. These products are integral components to the larger cab environment system expected to perform at "best-in-class" levels. From construction and agricultural equipment to heavy duty trucks and more, manufacturers count on Bergstrom.

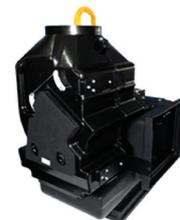
HVAC unit, Excavator



HVAC unit, Motor Grader



HVAC unit, Wheel Loader





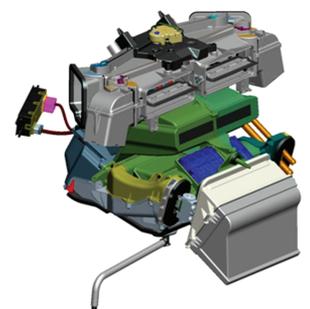
HVAC unit, Bull Dozer



HVAC unit, Agricultural Vehicle

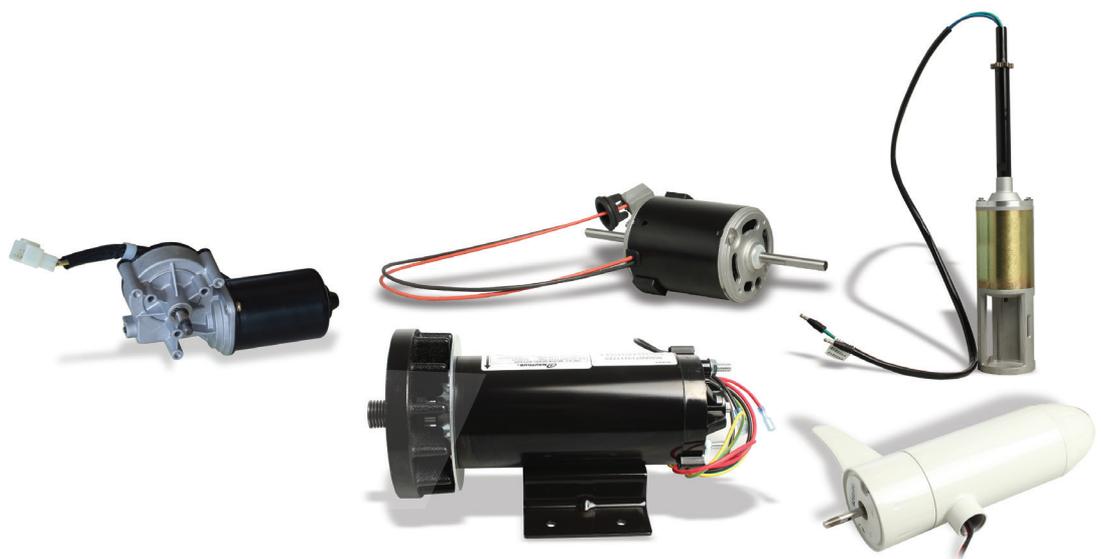


HVAC unit, Truck



Motion Control

Our motors are well known for robust design, reliability and long life. As a leader in the differential market for electric motors, our motors are used in various applications such as recreation vehicles, marine application, swimming pool cleaning, fitness equipment and oil pump assemblies.





Industries we serve



Based on this proud heritage, Bergstrom continues to invest in the people, technologies and global reach capabilities which will keep our customers at the front of their respective industries.



Technological Leader

Offering environment friendly solutions to meet the growing challenges of emissions and energy saving requirements

No Idle HVAC

Our No idle HVAC system is the first product of its kind to effectively confront the dual challenge facing today's commercial vehicle industry:

- Mounting environmental protection legislation
- The increasing costs of running vehicles during non-service periods

Bergstrom NITE and Dirna Bergstrom Parking cooler systems are high performance stand-alone air conditioning systems featuring single or dual electric compressors plus advanced variable speed technology with automatic temperature regulation and are designed for not only on-road vehicles but some off-road applications as well.





BLDC Blower and Fan

BLDC (Brushless DC) motors are environmentally friendly. They are cleaner and quieter with less electromagnetic disturbance because of no physical contacts between carbon brushes and commutator.

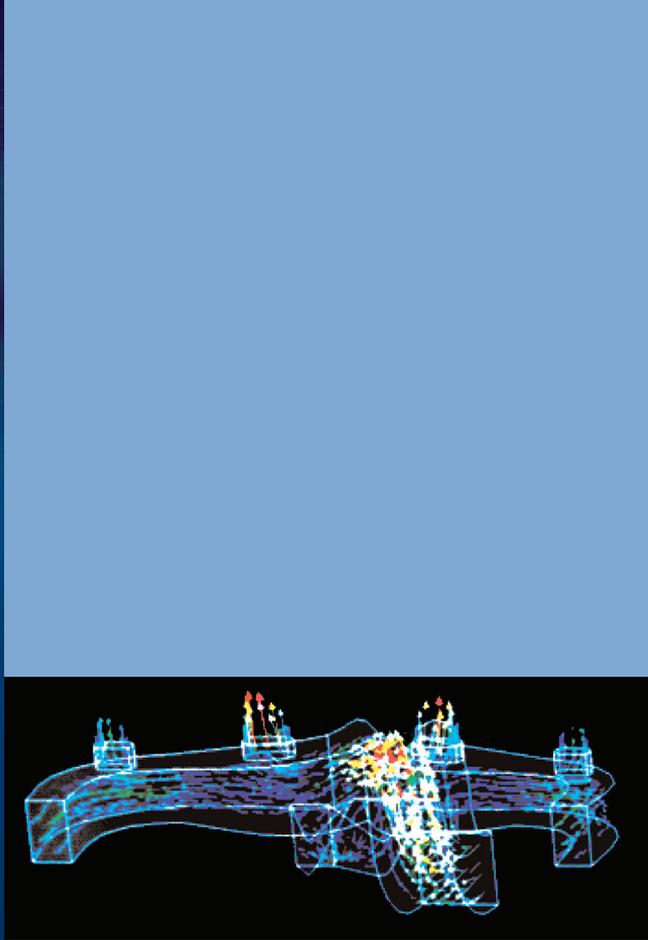
Our BLDC blower and fan have compact design, long operating life and a high efficiency rate of more than 80%. They have many advanced self protection features and self diagnostic features. The expected life-span is no less than 25,000 hours in comparison to 5,000 hours for conventional brushed motors.



Global Footprint

An important competitive advantage is our flexible, responsive resource base. Bergstrom has positioned engineering, sourcing, test and manufacturing capabilities around the globe, offering tremendous economies and service to our customers.





Design Anywhere, Build Anywhere

Within Bergstrom, China's team of engineers offer customers a strong, local multi-lingual technical capability to help customers create the next generation of world-class products. Throughout the product development cycle, these engineers combine their talents and experience with their counterparts in North America and Europe to optimize system performance and reliability, while reducing program time and cost. This global synergy is aided by a host of technology tools that links teams in three continents, including:

- Computational Fluid Dynamics (CFD)
- Finite Element Analysis (FEA)
- Program Management Tools
 - NPI phase review
- 3-D Solids modeling platforms

Validation

Bergstrom China continues to make considerable investments in state of the art equipment to ensure our products meet the strict requirements of our customers and their applications.

Our Vehicle Environmental Chamber (VEC) is a drive-in test chamber which accommodates off-highway vehicles, heavy duty trucks, and coach buses. It simulates climate conditions such as rain, snow, sun, heat and cold while the vehicle is running and measures the heating, cooling, demist and defrost performance of the HVAC system. It is also used for cold start testing for engines.

Our VEC has the capability of creating an environment of -40°C to $+60^{\circ}\text{C}$, with humidity as high as 95%. Air flow simulation is 96km/h. This covers almost any condition a vehicle may be exposed to during operation.

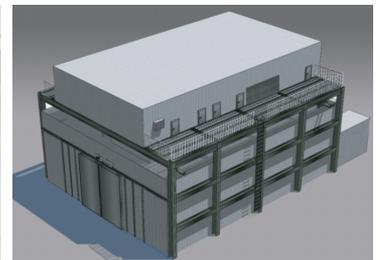
With the VEC, we shorten the critical product-to-market phase of HVAC system, as we don't have to always rely on the time consuming and expensive field test for product validation.



Bergstrom US VEC



Bergstrom UK VEC



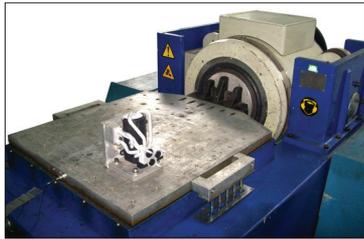
Bergstrom China VEC



CNAS and ISO 17025 certified, our lab is capable of performing a wide range of tests – vehicle environmental test, calorimeter test, shake test, noise and vibration test, salt spray test, cleanliness test, thermal and pressure cycle test, high & low temperature and humidity test, burst test, motor performance, magnetic field test, etc.



Noise Test



Shake Test



Calorimeter



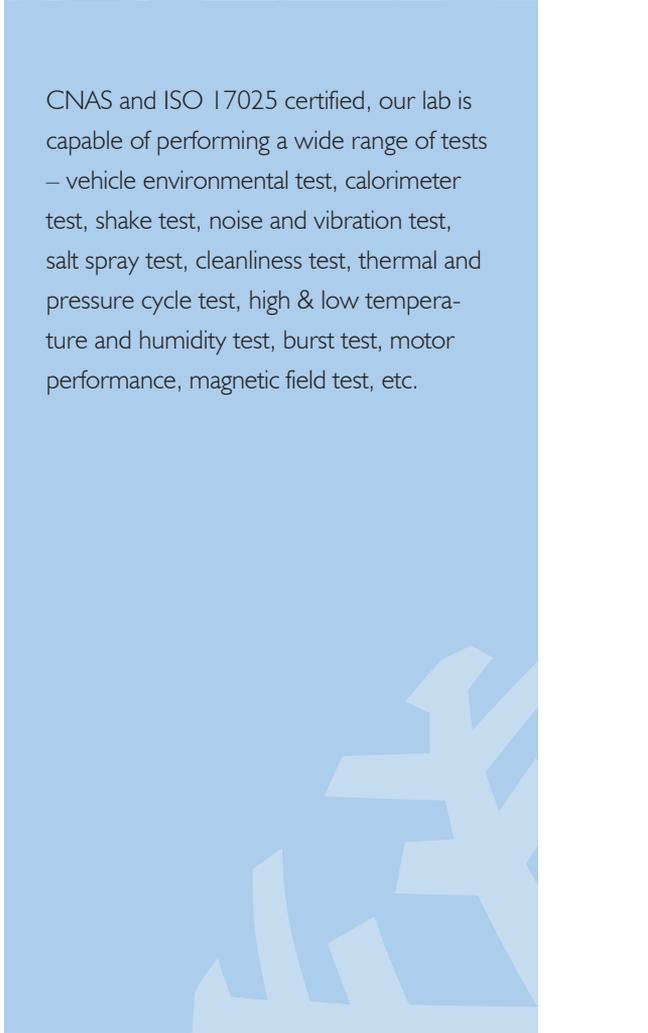
Wiper Motor Life Test



Motor Performance Test



Magnetic Field Test



Operations

Our manufacturing practices focus heavily on lean manufacturing techniques to ensure a flexible and efficient operating environment.

Global collaboration with cross functional teams

- Lessons learned
- Best practices
- Strategic benchmarking

Zero Defect Culture from the very 1st stage of our project planning process.

Poke Yoke

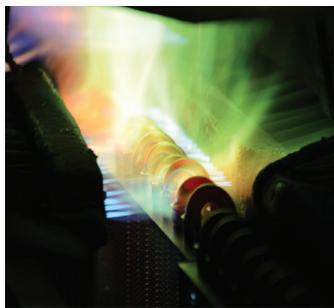
- Human Machine Interface (HMI's)
- Bluetooth Torque Verification and Counting
- Intelligent Sensors
- Leak detection, functional testing,
- PC generated product label



HVAC HMI Assembly Line



Helium Leakage Tester



Automatic Brazing



Lean Manufacturing

Quality

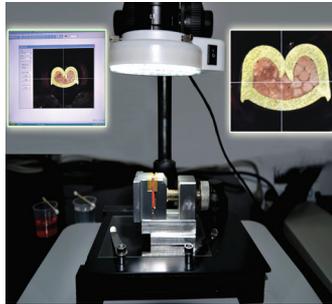
Our quality system and practices are geared to meet and exceed customer expectations. Bergstrom China is ISO9001, TSI6949 and ISO14001 registered.

We embrace six sigma thinking. Every year, our black belts lead the team on 6 sigma projects for continuous improvement on supplier development, enterprise excellence and operational excellence, which maximizes value to our customers.





Contour Measurement



Crimp Cross Section Analysis



Torque Tester

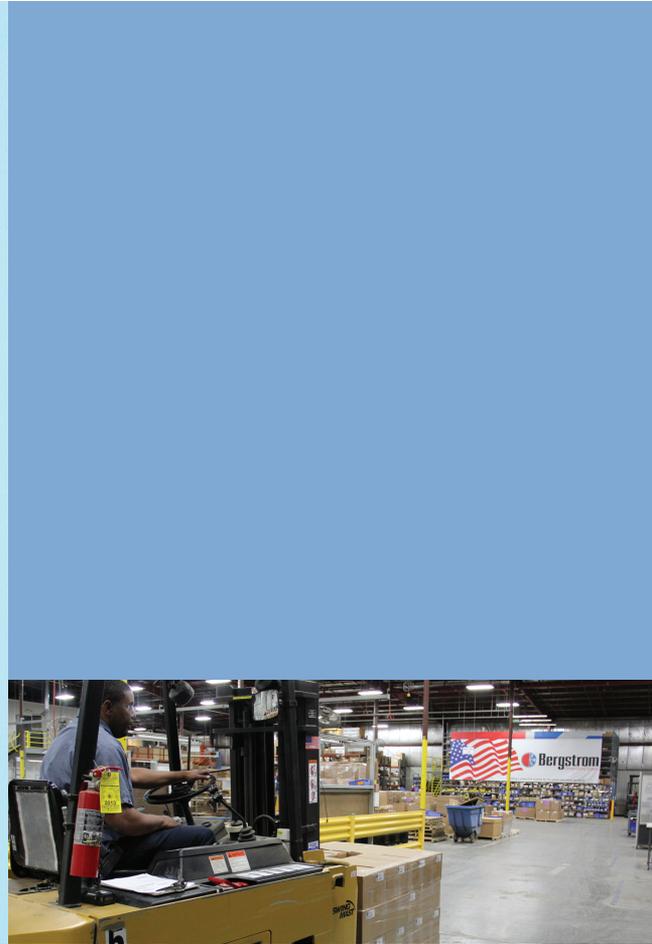


Commutator Roundness Meter

Logistics Support

Bergstrom China makes doing business even half a world away much easier by providing all of the warehousing, shipping and logistical support you'll need to hit the ground running. With state-side support from our Bergstrom China Rockford office, we're able to provide customer support around the clock, around the world...





- US Warehousing Available
- European Warehousing Available
- 3rd Party Remote Warehouse
- EDI Electronic Data Interchange for order processing
- United States and European Offices



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