

VALUE ADDED



PRODUCTS AND SERVICES FOR
Military/Aerospace Applications

Value-Added Assemblies

- Next level assembly with fan
- Frees up customer's resources for higher level integration
- "One-stop shopping" utilizes customer's sources/processes
- Savings on procurement costs – one purchase order for assembly vs. multiple for components
- Saves on receiving inspection, receiving, stocking
- Delivered to schedule from AMETEK QA certified and inspected

System/Subsystem Design and Packaging

Expertise in the integration of high-performance cooling fans, heat exchangers, controls and subassembly packaging for optimum functionality within a minimum required footprint.

Value Added/Subassemblies

- Quick reponse
- Competitive pricing (customer make/buy decision)
- Design improvement potential
- Use customer's drawings/processes/sources

Fan Trays and Rack Blowers

Rotron can combine its proven fans and blowers into trays and electronic rack mountable chassis. Rotron can create unique designs from Unit Under Test (UUT) rack blowers for avionic test equipment to fan trays for rack-mounted distributed airflow for submarine applications. Fans and blowers can be designed to meet MIL-STD-810 environmental requirements as well as other regulatory specifications. Various input voltages can be considered.

Spot Cooling

Rotron can provide the airmover and all associated cabling, hardware, assembly and final inspection testing for spot cooling fan assemblies in the most demanding platform locations.

All sizes and applications are supported.



ROTRON El Cajon Campus

- 40 years Experience with Custom Heat Exchangers and Subassembly Products
- Design Engineering
- Parametric CAD Modeling
- Rapid Prototyping
- Manufacturing
- Customer Support
- Product Test Facilities
- Quality
- Procurement
- ISO 9001:2008 and AS9100:2009 certified facility*



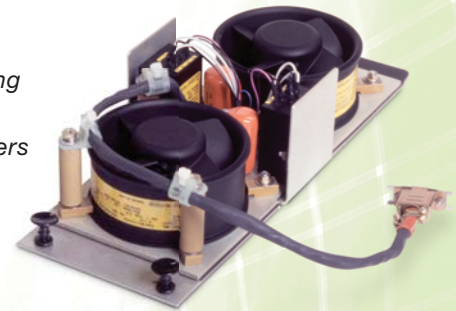
Key Capabilities: Air flow measurement • Spot cooling fan assemblies • Rack cooling subsystems

* Certificate number: CERT-02252-2003-AQ-HOU-ANAB

- Fan, LSWD, chassis assembly
- Propimax 3B fan, LSWD with EMI filter
- 51 components, 12 part numbers



- Fan, LSWD, tray assembly
- Propimax 3B fans, LSWDs, wiring and sheet metal
- 180 components, 48 part numbers



- Blower and capacitor assembly
- 47 frame motor, custom scroll, mounted in-line capacitor
- 32 components, 12 part numbers



- Fan/chassis assembly
- Mil-901 fan, dip brazed aluminum chassis
- 6 components, 4 part numbers



- Fan tray assembly
- Mil-901 fans, finger guards, wiring, connectors and sheet metal
- 238 components, 59 part numbers



Custom Blowers and Fan Assemblies

Value Added/Build to Print

Rotron manufactures custom airmovers that meet all cooling requirements from centrifugal blowers to axial flow fans. The airflow performance point is analyzed with respect to the aerodynamic parameters, speed, size, weight and noise, and the design optimized to operate near peak efficiency.

Rotron will manufacture from drawings and provide value added – build to print capability by incorporating drawings, processes and customer-specified supply base as its own.

About AMETEK Rotron

For more than 60 years, AMETEK Rotron has successfully supported some of the most stringent programs and installations. Its products are specifically designed to operate efficiently, effectively and reliably in harsh environments and demanding applications.

Rotron offers a full range of component and turnkey solutions. With more than 25 fan/blower families, it provides a high degree of vertical integration and has core competencies in the design and manufacture of aerodynamics, heat transfer and subsystems packaging.

Rotron specializes in working with its customers to create unique product configurations that address specific cooling requirements, not only for the cooling capability, but space claim, weight, noise, power draw and system controls.

Rotron helps its customers pick the right product for the job, minimizing design, program schedule and contract risk.



**ROTRON
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