

SALES GUIDE.

Fans in the RTO industry move process air through heat exchange media and the combustion chamber where contaminants reach an optimal thermal oxidation to remove volatile organic compounds (VOCs) and other pollutants from industrial processes.



POWERING CLEAN AIR WITH
PERFORMANCE, RELIABILITY
& EFFICIENCY



INDUSTRY OVERVIEW

WHY REGENERATIVE THERMAL OXIDIZERS (RTOs) MATTER

- **Air Pollution Control:** Eliminate VOCs and hazardous pollutants from industrial exhaust.
- **Energy Efficiency:** Proper fan selection cuts energy use and ensures thermal effectiveness.
- **Regulatory Compliance:** Stay aligned with EPA, OSHA and local air quality standards.
- **System Reliability:** Dependable airflow ensures uptime and reduced maintenance.

KEY INDUSTRIES USING RTOs

- Automotive
- Chemical and Petrochemical Manufacturing
- Coating and Printing
- Food Processing
- Packaging
- Pharmaceuticals Manufacturing
- Semiconductor Production
- Textiles

MARKET DRIVERS

- Tighter environmental rules
- Demand for energy savings
- Industrial growth

FAN CHALLENGES IN RTO SYSTEMS

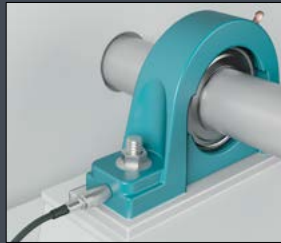
- High heat
- Constant operation
- Precise airflow demands durable, efficient fans



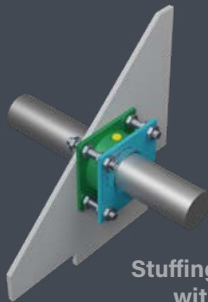
PRODUCT ACCESSORIES & OPTIONS



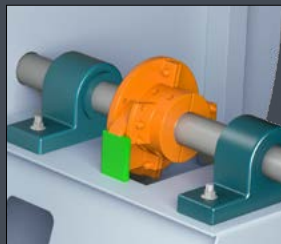
Insulation



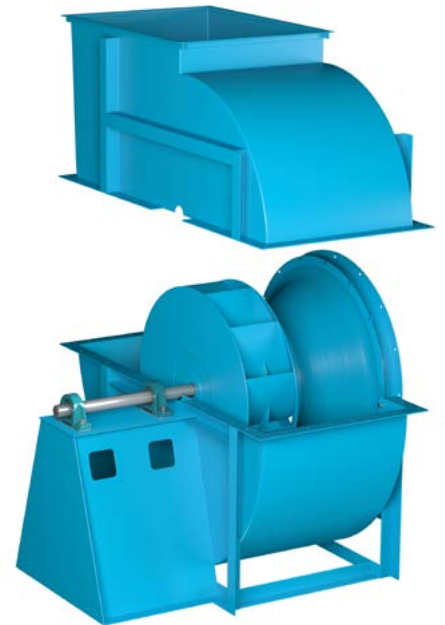
Bearing Vibration Sensor



Stuffing Box Shaft Seal
with Gas Purge



Anti-Rotation Device



Model BCS, Arr. 1 with
Horizontal Split Housing

WHY TWIN CITY FAN?

- **RTO-Specific Designs:** Multiple insulation options for heat and sound, low leakage designs, special shaft seals, special alloys and coatings, and sensor packages to allow for vibration and temperature monitoring.
- **Engineering Expertise:** TCF's engineering expertise is unmatched, ensuring your customer has the most efficient and reliable fans in the industry.
- **Fast Lead Times:** Large production footprint and expedited delivery available.
- **Breadth and Depth of Product Line:** Offers a wide range of fan types and sizes to ensure you have the optimal fan selection to meet your customer's efficiency and reliability needs.
- **Reliability:** Twin City Fan products are known for durability and dependability, providing long operational life with minimal maintenance.
- **Peace of Mind:** TCF is an AMCA member, ensuring the performance delivered matches the investment made.



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CUSTOM PRODUCTS CAPABILITIES

- +
 - +
 - +
 - +
- FANS FROM ¼ HP TO 15,000 HP
- WIDEST RANGE OF MATERIALS
- FULL RANGE OF TESTING
- LARGEST INSTALLATION BASE

Twin City Fan & Blower has become the standard in many industries and applications due to our ability to adapt our products to meet your individual needs. TCF looks to partner with our customers to help us understand the competitive landscape of each industry.

For verifiable details, especially case studies, please check the official Twin City Fan & Blower website or contact company representatives to access specific project outcomes and client testimonials.