

**“Fan’s been fine for years, now what?”**



*Most industrial and commercial fans are very reliable, designed for long life under a multitude of conditions. However, breakdowns do happen. They can be caused by incorrect installation, lack of maintenance, improper selection or, over the years, have simply worn out. These are just some of the problems that can happen to your fans....*

- Fan wheel or rotor out of balance.
- Airfoil blades can get water inside of them.
- Wheel corrosion or erosion.
- Loose set screws or bolts holding the wheel to shaft.
- Bent fan shaft.
- Air pulsation. (Fan may be operating in the stall area of its performance curve or is oversized for your particular system)
- Foreign material in the fan housing.
- Loose or misaligned V-belts.
- Worn or failing ball/roller bearings.
- Improper lubrication, over/under greased.
- Coupling misalignment.

** LONGO**

**WHARTON CENTER**

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**Additional Facilities:**

New York, NY 212-929-7128 ● Linden, NJ 908-925-2900

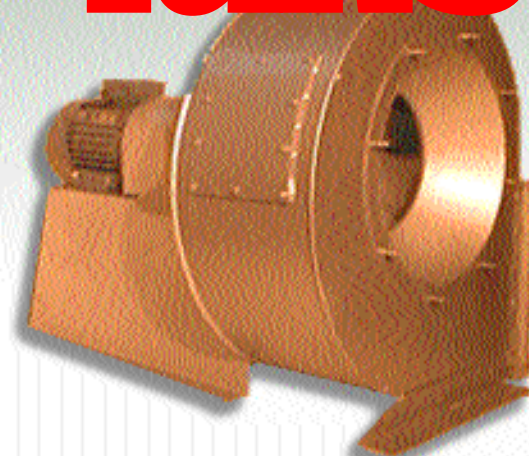
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** LONGO**  
One Harry Shupe Blvd.  
PO Box 511  
Wharton, NJ 07885

**FANS & BLOWERS**

**We  
maintain,  
repair,  
remove,  
install, sell,  
and  
upgrade**

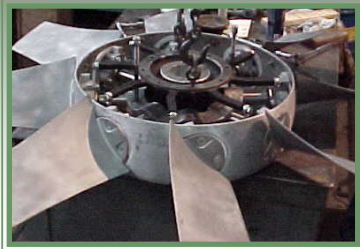
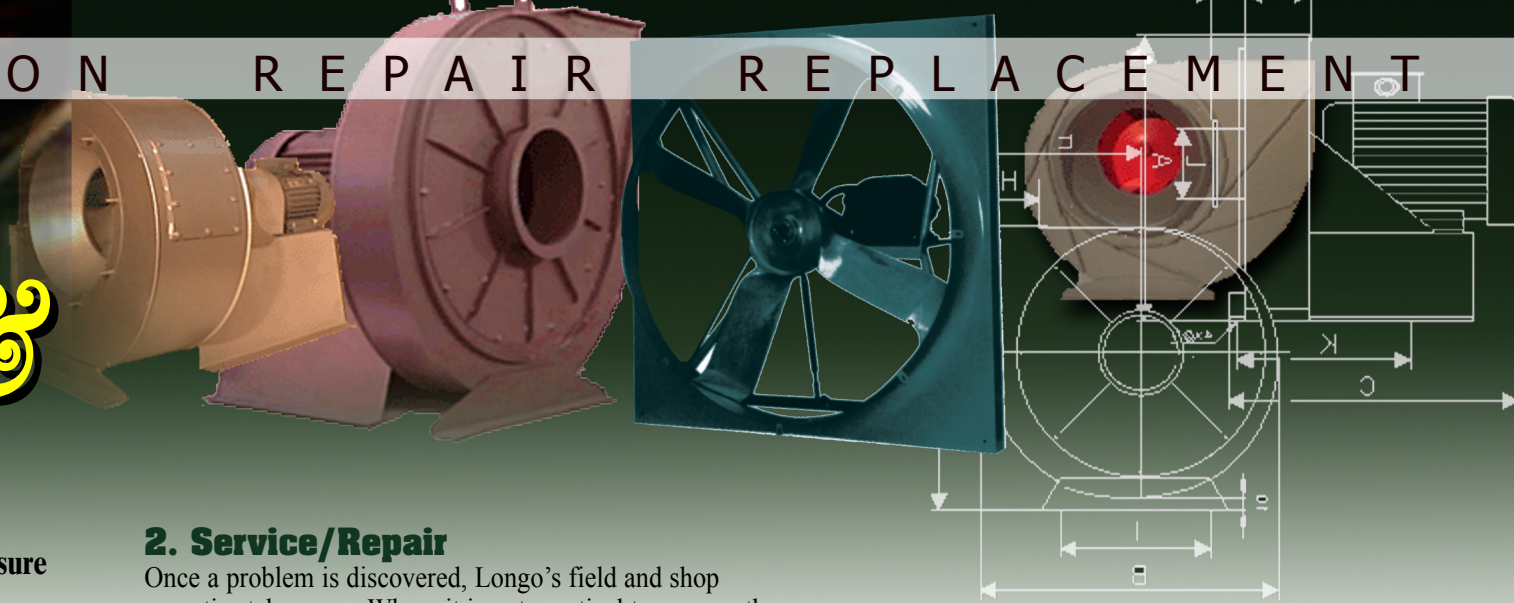
**fans**



PRESORTED  
STANDARD  
U.S. POSTAGE  
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** LONGO**  
*Since 1945...*

# Fans & Blowers



Longo can ensure your fans and blowers stay in prime operating condition. We can improve performance and

uptime through periodic preventive maintenance. We can make any repairs as necessary and, finally, offer replacement options when repairs become uneconomical.

## 1. Maintenance

Ineffective maintenance can cause unscheduled downtime on your fans and blowers. Knowing what type of maintenance to perform, and when, is certainly a smart move, not to mention providing peace of mind. Longo has put together a comprehensive Predictive and Preventive Maintenance Program that includes non-invasive analysis which can keep your fans running.

### SERVICES INCLUDE:

- ON-SITE FAN BALANCING
- LASER ALIGNMENT
- PREVENTIVE & PREDICTIVE MAINTENANCE PROGRAMS
- VIM® VIBRATION INFORMATION MANAGEMENT
- LUBRICATION/OIL ANALYSIS
- PERMANENTLY INSTALLED
- VIBRATION MONITORING EQUIPMENT
- ENERGY EFFICIENCY ANALYSIS

## 2. Service/Repair

Once a problem is discovered, Longo's field and shop expertise takes over. Where it is not practical to remove the unit, our factory trained technicians are fully equipped to repair your fan on site. When the circumstances dictate, our Field Service teams can remove even very large units for safe and secure transport to one of Longo's three facilities in Wharton, NJ, Linden, NJ and NYC

## 3. Replacement

When the time comes to replace a fan, Longo is your source for the replacement of all types of industrial fans ranging in size from the largest boiler draft fans to small units for building service and office applications. We supply new axial, centrifugal and mixed flow fans from **Twin City Aerovent Flakt** for applications such as:

- CLEAN ROOM
- SMOKE CONTROL
- ROOF EXTRACTOR UNITS
- CENTRAL PLANT VENTILATION
- DRYING /HUMIDIFICATION
- HEATING/VENTILATION/COOLING
- PNEUMATIC CONTROLLED-VARIABLE PITCH
- DUST COLLECTORS
- COOLING TOWERS



## 4. Efficiency

### Premium Efficient Motors

New Premium Efficiency Motors are available for fan and blower applications. Well-documented savings with the MotorUp® Program which entitle you to money rebates up front...plus long term power savings.

### Variable Speed Drives

The use of variable speed drives is growing quickly among companies that want to extend life expectancy of their fans and blowers and save significant energy. **Just a 20% reduction in speed will provide energy savings of 50%.**

**Aerovent**

**LONGO**

*Service Through Knowledge®*