

# AFTERMARKET SERVICES

AVAILABLE 24/7 FOR  
TROUBLESHOOTING  
EQUIPMENT

REBUILD • REPLACE • RETROFIT • REPAIR



- Any fan manufacturers' axial, centrifugal or mixed flow fan
  - Complete fan or component parts
- Repair existing equipment/reverse engineer new equipment



## COMMON PROBLEMS

- Excessive Wear
- Corrosion
- Low Reliability
- Abrasion
- High Power Consumption
- High Vibration and Unbalance



THE NEW YORK  
BLOWER COMPANY

800-208-7918

[nyb.com](http://nyb.com)





## TESTING AND ANALYSIS CAPABILITIES

### **Reverse Engineering**

Portable 3D Scanner takes 480,000 measurements/second with 7 lasers with accuracy up to 0.030 mm

### **Positive Material Identification (PMI)**

Non-destructive laboratory quality composition analysis

### **Computational Fluid Dynamics (CFD)**

### **Finite Element Analysis (FEA)**

### **Parametric Modeling**

### **AMCA-accredited laboratory**

For air performance and sound testing

### **Aerodynamic and Noise Testing**

### **Stress/Strain Testing**

### **Natural Frequency Testing**



## WHAT DO WE NEED FROM THE CUSTOMER?

- Diameter & tip width of the centrifugal wheel
- Style/type of wheel with number of blades  
(ex: RB, BC, AF, BI, SWSI, DWDI, FC, 1 stage axial, 2 stage axial)
- Material or Construction (Fiberglass, Carbon Fiber, Steel, Aluminum, Alloy, etc.)
- Speed and Temperature of operation
- Supply pictures of the equipment if possible

Our experienced Field Technicians can offer a full diagnosis of aerodynamic, sound and mechanical problems.  
Email [fieldservice@nyb.com](mailto:fieldservice@nyb.com) or call 833-435-7692 (833-HELP-NYB) to talk to a technician.



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