

QUALITY ASSURANCE



THE NEW YORK BLOWER COMPANY
(800) 208-7918 • nyb.com

A Commitment to Technical Excellence

We recognize quality requirements sometimes rise to a level higher than standard industry documentation. The list below is a portion of what nyb can provide to make your project a success.

For more information:

- Contact nyb (www.nyb.com)
- Contact your local sale representative (www.nyb.com/repfinder)



Specialized Testing

- Material Certification – nyb can provide material test reports on all materials and hardware. Additionally, nyb can provide in-house PMI (Positive Material Identification) testing on all non-Carbon Steel Alloys through the use of our x-ray fluorescence (XRF) analyzers.
- Wheel Balance – nyb balances all wheels to a minimum of an ISO G6.3 dynamic balance. In addition, nyb offers a tighter balance to G2.5 and on some wheels a G1.0 complete with a certified balance report.
- Fan Vibration Readings – nyb performs a final vibration reading to .15"/sec. We also can offer final trim balance readings to the following levels:
 - o .10"/sec
 - o .08"/sec
 - o AMCA 204 BV-3 (Filtered-In)
 - o AMCA 204 BV-4 (Filtered-In)
- Weld Documentation – nyb can provide a range of weld documentation including weld maps, weld procedure specification (WPS), and welder qualification records with continuity reports.
- Weld Procedures – nyb offers welding in accordance with AWS D1.1 and ASME BPVC Section IX.
- Chemical Passivation – a chemical dip or liquid is applied to SST surfaces to eliminate any traces of carbon steel.
- Leakage Testing – for applications that require low or zero leak performance, nyb offers the following leak tests:
 - o Soap Bubble Leak Test
 - o Leakage Rate Test
 - o Hydro Static Leak Test
- Mechanical Run Tests – nyb offers a mechanical run test where the fan is run until bearing temperatures stabilize and then vibration readings are recorded. Bearing temperatures are recorded at 10 minute intervals during bearing temperature stabilization. Time intervals can range from 1 – 4 hours.
- Shaft Run Out Verification – All standard shafts are straightened to .002" TIR. In addition, nyb can provide interference fit shafting and documentation of the shaft run out.
- Barcol Hardness Test – nyb offers a Barcol hardness test on our fiberglass reinforced plastic (FRP) products. The Barcol hardness test characterizes the indentation hardness of materials through the depth of penetration of an indenter, loaded on a material sample and compared to the penetration in a reference material.



Testing and Certifications

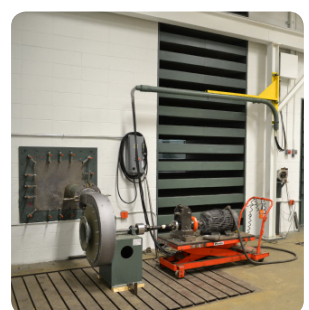
- Certificate of Conformance
- Lateral Speed Analysis
- Bump Test (Impact)
- Coast Down Run Test
- Critical Speed Analysis
- Acetone Test
- Burn Test
- Digital Photos
- Finite Element Analysis (FEA)
- Dynamic Load Calculations
- Dimensional Mapping
- Non-destructive Examination (NDE) – nyb offers the following NDE:
 - Visual Inspections
 - Kerosene Chalk Test
 - Liquid Penetrant (LP)
 - Mag Particle (MP)
 - X-ray
- Torsional Analysis
- Inspection Test Plan (ITP)
- Dry Film Thickness (DFT) Paint Test
- Paint:
 - DFT
 - Paint Mapping
 - Electrical
 - Tape Adhesion
- Material Traceability

Industry Specifications

- Construction to Industry Specification
 - API 673
 - API 560
 - PIP
 - AAR (Association American Railroad QA Program)
 - NQA-1 (Nuclear)
 - AG-1 (Nuclear)
 - N509 (Nuclear)
- ATEX Construction
 - Category 2G
 - Category 2D
 - Category 3G
 - Category 3D
- AMCA 204 Vibration Performance Testing
- AMCA 210 Fan Air Performance Testing
- AMCA 300 Fan Sound Performance Testing
- CE Labeling
- CE Declaration of Incorporation
- CE Declaration of Incorporation
- ISO 9001
- Customer Inspection Checklists



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Go to nyb.com to download more information. Complete NYB Catalog, Product Bulletins, Fan-Selection Program, Guide Specifications, Engineering Letters, Installation and Maintenance Literature, Listing of New York Blower Representatives and other resources.

