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Alloy Engineering Offers Dynamic Balancing Service

BEREA, OHIO—The Alloy Engineering Company offers a comprehensive dynamic balancing capability for a wide range of rotating components.

Using the newest, up-to-date balancing equipment with a maximum distance of 10 ft between arbors, Alloy Engineering can balance any overhung or center-hung rotating mass from 1-in. diameter and weighing 50-lb to components 120-in. diameter weighing 5000 lb. Typical rotating components include fans, high-speed paper mill rolls and motor rotors.

Alloy Engineering’s balancing techniques can meet, or exceed, stringent ISO balancing specifications while dramatically reducing balancing time. For example, after assembling a fan wheel on its running shaft, the wheel/rotor assembly can be completely balanced in one-half hour. Balancing the assembly by conventional methods requires 8 to 10 hours.

Jeff Ogle, Alloy Engineering fan engineer, points out, “Even a slightly out-of-balance condition of a large, or high-speed rotating mass produces vibrations that can drastically reduce bearing life and destroy system precision and accuracy. The result is often a costly loss of production due to unscheduled

downtime to rebalance the system. Balancing is a time-saving and cost-effective solution for any pre-installation or rebalancing requirement.”

In addition to its balancing services, Alloy Engineering designs and manufactures a wide variety of fans and blowers for demanding high-temperature and corrosive industrial applications.

For almost 60 years, The Alloy Engineering Company has pioneered the design and manufacture of a wide range of alloy products for high-temperature furnace and corrosive applications throughout the automotive, aerospace, petrochemical, pulp & paper, primary metals, and general manufacturing industries.

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