

## Vibration Specialty Corporation and Mechanical Dynamics & Analysis

Vibration Specialty Corporation and Mechanical Dynamics & Analysis  
have teamed up to become the leaders in the low speed balancing of turbine rotors

We offer:

- Engineering support . . . on-site . . . for each individual rotor
- The most extensive experience
- Eight portable machines\*

The **VSC/MD&A** team means the finest in precision balance for in-service conditions. Our engineers evaluate rotor conditions on-site, which gives you the customer the best quality assurance on the final balance.

*\*Our balancing machines can also be used for rotor machining,  
further saving you, the customer, time and money.*

### **VIBRATION SPECIALTY CORPORATION**

100 Geiger Road, Philadelphia, PA 19115 USA  
215-698-0800 215-677-8874 fax vsc@vib.com





# Vibration Specialty Corporation and Mechanical Dynamics & Analysis

## The largest family of Portable Balancing Machines.

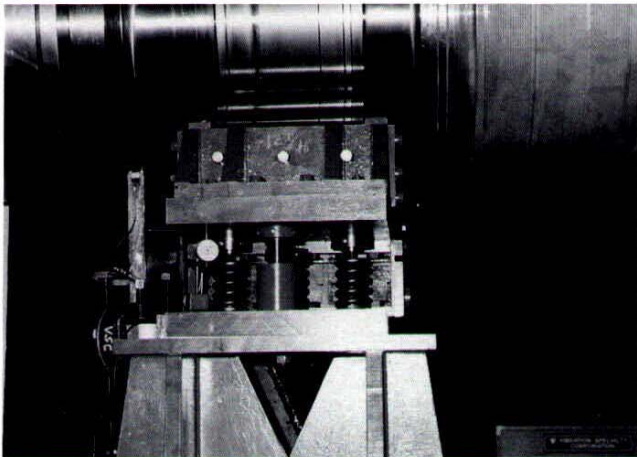
Ready to transport anywhere in the United States and Canada. With eight machines [Two (2) to 60,000 lb, Two (2) to 100,000 lb, One (1) to 125,000 lb, One (1) to 200,000 lb, One (1) to 250,000 lb, One (1) to 400,000 lb]. Vibration Specialty Corporation can have the ideal machine on-site in the exact time window for your outage. We are better equipped to meet emergency requirements than anyone in the industry.

## Specialized proprietary equipment . . . faster, simpler, easier set-up.

The portable balancing machines used by Vibration Specialty Corporation/Mechanical Dynamics & Analysis are simply the finest portable balancing machines made. They not only give precise results, but setups are much easier. Typical setup time is 2 to 4 hours, including crane time and electrical hookup. This results in *considerably less demand on our customer for crane time and manpower*. If machining is required the same rig can be used.

## The world's most experienced turbine rotor balancing staff . . . and we use it.

An experienced balance engineer is on hand at each job to relate rotor imbalance, condition, repairs, in-service vibration and other variables to corrective weight distribution.



## A CUSTOMER-CENTERED APPROACH A RESULTS ORIENTED APPROACH

### Availability

With eight machines (more than the two largest OEM's combined) VSC/MD&A can have a system heading your way immediately. It is our objective to reduce your outage time, not extend it or complicate it.

### Ease of Set-up

Low power and speed requirements and our own foundation results in simple, fast, safe setups (and teardowns). Setups typically in less than 4 hours (ready to receive the turbine), no welding to railroad tracks or bolting to floors. Typical power requirements — 60 amp @ 440V.

### Experienced Staff

Our engineers go on-site for proper evaluation of rotor conditions.

### Technical Support

VSC/MD&A bring to you the most competent, most experienced staff available in the world.

### Flexibility

Our balancing machines are easily converted for precision machining. This makes repair work easier, less expensive, and faster.

### Safety

Our lower speed requirements (balance rotation), superior balancing machines, the most experienced staff of operators and engineers in the industry, not only results in a fine precision low speed balance, but a safe one. No factor takes priority over safety when we are low speed balancing.



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