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 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.