

# VibWorks BALANCER

## EASE OF USE, GUARANTEED!

Like all BETAVIB products, VW Balancer comes with a user-friendly interface, simple yet powerful. Thanks to the 4 available physical channels, balancing jobs are performed faster using simultaneous acquisition.



## SIMPLE, POWERFUL!

VibWorks Balancer is an add-on module to the BETAVIB Suite. Running on the same hardware platform as the VibWorks Collector and Analyzer.



### ▶ SINGLE SHOT

VibWorks Balancer will save shaft sensitivities coefficients, future balancing of machinery are made with a single shot measurement without a trial run.



### ▶ DYNAMIC VECTORS

Real-time phase stability is indicated on polar graphs during measurements. to ensure proper balancing conditions.

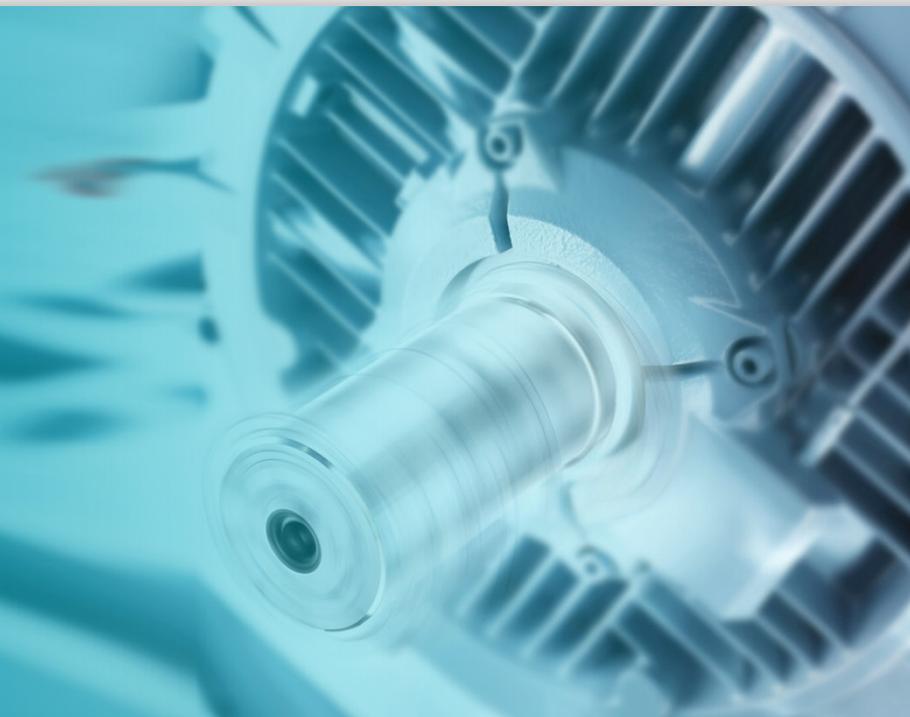
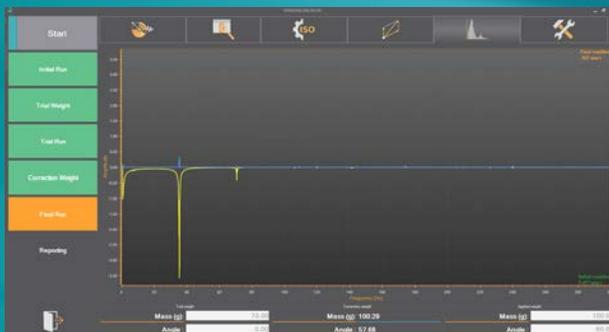


### ▶ REPORT GENERATION

Balancing reports are generated automatically and available in several universal formats (PDF, Doc, HTML...).

## Before and After

Graphical indication on a polar plot of the vibration evolution between the different balancing steps and real-time spectrums for the initial run and the final run gives the ability to notice the condition of the machine before and after a balancing job.



Balancing very low speed can be achieved with a better precision when using a displacement sensor instead of accelerometers (using velocity). Vibworks can use proximity probes to help achieve better balancing results for particular applications.



## Proximity Probes

In some particular cases, balancing conditions are not suitable to do the job properly, phase stability is the key factor for a quick and precise balancing. VibWorks Balancer comes with real time phase indication with dynamic vectors on polar graphs. Phase is calculated with high precision using cross correlation algorithms.

## Phase Stability



# 112

## 1/2 Planes Balancing

VibWorks balancer uses 4 simultaneous channels and allows you to perform 1 plane and 2 planes balancing, with all the tools needed: balancing grades, split weights.

## Normalized Balancing



VibWorks Balancer is written according to ISO 1940 Standard, residual unbalance, trial weight suggestion, balancing grades and balancing reports are embedded to help you do an optimal balancing job.



## Efficiency: not just a Motto!

Using our One-shot Balancing, we offer you the opportunity to enhance efficiency, reduce your costs and save time. Using one-Shot balancing a machine can take only one single run (one machine start). One shot uses previous balancing results and saves shaft sensitivities, future balancing are just trim runs of the last balancing, and correction weights can be adjusted in every periodic shut down to achieve optimal operating conditions.



# LUDECA

Keep it running.

LUDECA Inc.  
1425 N.W. 88th Avenue  
Doral, FL 33172  
Phone: (305) 591-8935  
Fax: (305) 591-1537  
info@ludeca.com  
www.ludeca.com