

## Application

- Software module of the PC based vibration measurement system VibroMetra
- Run up / coast down analysis
- Finding and eliminating vibrations
- Resonance finding
- Roller bearing fault detection
- Acoustical analysis with IEPE microphones
- Tool for maintenance technicians

## Properties

- Frequency analysis with visualization of the time history as third dimension
- High frequency resolution
- Five windowing functions
- Envelope spectrum for roller bearing monitoring in VM-FFT 3D+
- Two measurement cursors
- Export as bitmap, PNG or text file manually or periodically
- Off-line diagnosis of previously recorded raw data

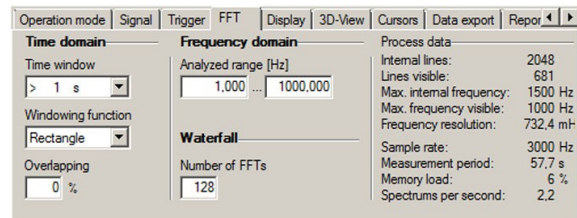
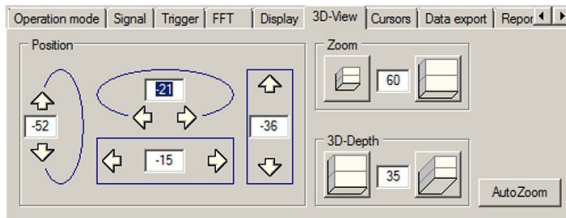


## Technical Data

	VM-FFT_3D	VM-FFT_3D+
Spectrum of vibration acceleration	yes	yes
Spectrum of vibration velocity	no	yes
Spectrum of vibration displacement	no	yes
Spectrum of force; pressure; sound pressure	yes	yes
Envelope analysis	no	yes
Bearing type Isit	no	>20000 bearings
Acoustic weightings	no	A; C; linear
Frequency analysis	FFT	
	Up to 524288 points	
	Resolution <0.01 Hz	
	Overlapping 0 to 99 %	
Measurands	Peak value; RMS; phase	
Windowing functions	Square; Bartlett; Blackman; Hamming; Hann; Flattop	
Frequency range	0.1 to 40000 Hz	
Triggering	Amplitude; digital input; single hot; repeating	
Data export	manual/periodical (>1 s) as PNG; BMP; EMF; Text	
<b>Optional accessories</b>	M312B USB sensor interface	

## Notice

A free trial version of VibroMetra can be downloaded from our website [www.MMF.de](http://www.MMF.de).



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