

Our Company

BMEYE was founded in 2005, bringing our customers more than 30 years of research and development focused on finger arterial pressure and cardiac output technologies.

Our technologies have been validated extensively and are used in groundbreaking products for the space agencies and experimental market launches. Our products are considered as thoroughly evaluated, and have been documented in over 400 publications.

Achieving miniaturization and increased user-friendliness, required for broad adoption, were the most important challenges BMEYE faced when developing the next generation product: Nexfin.

Building on the experience we are convinced that, with the introduction of Nexfin, we offer cardiovascular monitors that will be used in every hospital and for many indications.

We will continue to improve our products in close cooperation with physicians, through research, development and clinical evaluations.

Our Mission

BMEYE is the premier provider and will set the standard of non-invasive, beat-to-beat, user-friendly cardiovascular monitoring systems, to improve patient care and reduce healthcare costs.

CE 0086 CE approved. Regulatory: EU CE Mark (Class IIa), FDA 510k number K072049.
Specifications are subject to change without notice. Patents pending.

References:
1. Brignole M, Alboni P, Benditt D, Bergfeldt L, Blanc JJ, Bloch TP, van DJ, Fitzpatrick A, Hohnloser S, Janousek J, Kapoor W, Kenny RA, Kulakowski P, Moya A, Raviele A, Sutton R, Theodorakis G, Wieling W. Guidelines on management (diagnosis and treatment) of syncope. Eur Heart J. 2001;22:1256-1306. 2. Wesseling KH. A century of non-invasive arterial pressure measurement: from Marey to Penaz and Finapres. Homeostasis. 1995;36:2-3. 3. Imholz BPM, Wieling W, Van Montfrans GA, Wesseling KH. Fifteen years experience with finger arterial pressure monitoring: assessment of the technology. Cardiovasc Res. 1998;38:605-616. 4. Wesseling KH, De Wit B, Van der Hoeven GMA, Van Goudoever J, Settels JJ. Physiocal, calibrating finger vascular physiology for Finapres. Homeostasis. 1995;36:67-82.



Non-invasive, Beat-to-beat Cardiovascular Monitor

Insight in a heartbeat

bmeeye
Cardiovascular Intelligence

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Cardiovascular Intelligence

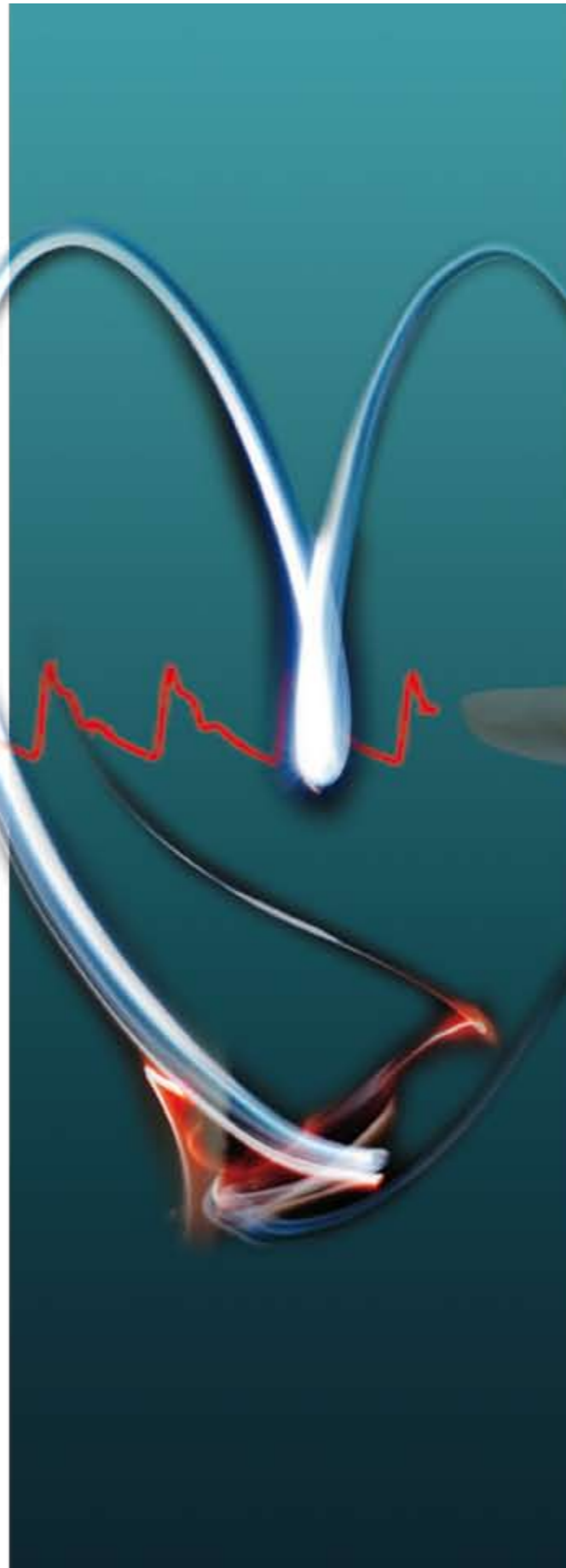
Monitoring Features

- **Non-invasive** measurement
 - **Beat-to-beat** monitoring
 - **Blood pressure** waveform
 - **Cardiac output** and other hemodynamic parameters
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- **HDD 2.0** Hemo Dynamic Dashboard version 2.0
 - Real time data
 - Data storage
 - Selection tools with online statistics
 - Intuitive navigation tools
 - Review during measurement
 - Advanced marker sets
 - Increased print options
 - Personal dashboard setup
 - Advanced reports
 - **Single sensor fingercuff**
 - **Heart Reference System**



Key Benefits

- **Diagnostic Precision**
 - Beat-to-beat information, no missed events¹
 - Finger arterial pressure technology²
 - Extensively tested and validated³
 - Physiocal, auto-calibration⁴
- **User-friendly**
 - Rapid start measurement
 - Intuitive user interface
 - Trends and advanced reports
- **Patient Safety & Convenience**
 - Non-invasive measurement – prevention of complications
 - Comfortable finger cuff
 - Immediate feedback during clinical observation
 - Free movement of hand during measurement
- **Spot check & Long-term recording**
 - Ranging from a few minutes to several hours
- **Suited for Routine Clinical Use**
 - Compact, lightweight monitor
 - Easy to transport



Application Areas

- **Cardiology**
 - syncope, CRT optimization, routine hemodynamic measurements
- **Emergency & Acute Care**
 - (suspect) hemodynamic instability
- **Intensive Care, Intermediate Care**
 - (suspect) hemodynamic instability
- **Anaesthesiology**
 - day care procedures, recovery room
- **Sleep Observation Units**
 - sleep disorders
- **Physiology**
 - sports medicine, education
- **Neurology**
 - autonomic failure
- **Internal Medicine**
 - hypertension, pharmacodynamics

System Elements

- **Monitor**
- **Wrist unit**
- **Heart Reference System**
- **Finger cuffs, 4 sizes, multiple use**
- **Accessories**
 - Rolling stand
 - Nexfin Printer
 - Analog input & output boxes



Nexfin

- Blood pressure waveform*
- SYS, systolic pressure
 - DIA, diastolic pressure
 - MAP, true mean pressure
 - HR, heart rate derived from the pressure pulse
 - IBI, inter beat interval

Nexfin HD Module Upgrade

- Computed from blood pressure waveform*
- CO, cardiac output
 - CI, cardiac index
 - SV, stroke volume
 - SVR, systemic vascular resistance
 - dP/dt, maximum first derivative of the pressure

Nexfin ECG module

- 1 lead (3 wires) or 6 lead (4 wires)
- RR interval detection