



MEDICALSOFT

**Innovative health screening systems
for professional and personal use**

About us

The MEDICALSOFT Company is a manufacturer of a range of innovative equipment based on cutting-edge diagnostic technology and complex program cross-analysis of the data received:

- ▶ Bioimpedance analysis
- ▶ Galvanic skin response
- ▶ Heart rate variability
- ▶ Digital pulse wave analysis.

By using the achievements of science and technology in the field of diagnostics, in combination with our own innovative technology, our team of high-end professionals has identified efficient approaches to developing, manufacturing and selling top quality equipment that meets the challenges of both today and the foreseeable future.

All our devices are rather compact and mobile, which allows to use them in various conditions and situations, as well as ensures maximum comfort for patients during the examination.

Our equipment is used in health clinics, SPA resorts, and fitness centers in Russia and worldwide.



MS FIT

Touch Screen Kiosk for Fitness Testing

BREAKTHROUGH
IN FITNESS
DIAGNOSTICS!



What is MS FIT



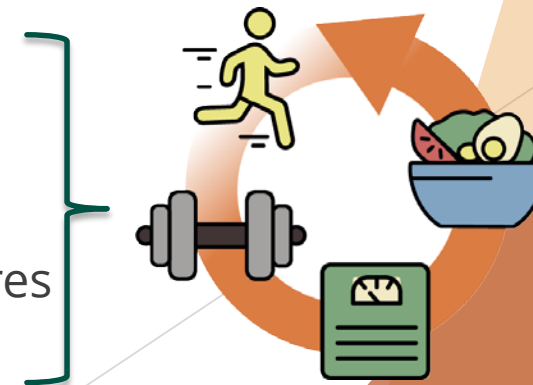
MS FIT is a touch screen kiosk for integrated assessment of a person's fitness indicators with the opportunity to develop detailed recommendations for an individual fitness program



Diagnostics and individual program recommendations in just 60 seconds

Recommendations for:

1. Type of training
2. Training intensity
3. Diet
4. Wellness and SPA procedures
5. Dynamics control



Who can benefit from **MS FIT**



Fitness clubs
Wellness and SPA centers
Sports teams
Individual athletes
Healthcare facilities

Operation Algorithm

Fitness
testing

Consultation
with a personal
trainer

Individual
fitness
program

Recommendations

Follow-up

RESULTS



Configuration

MS FIT includes:

- ▶ **Kiosk** with integrated electronic equipment
- ▶ **Touch screen** varies from 32 to 43 inches*
- ▶ **Hands platform** with built-in sensors to determine heart rate, galvanic skin response and bioimpedance
- ▶ **Feet platform** with built-in sensors for weight measurement, galvanic skin response and bioimpedance
- ▶ **Digital pulse wave sensor** (optional) *
- ▶ **Integrated MS FIT software** adapted for touch screen
- ▶ **Web camera, height meter** and **QR code scanner** (optional)*

** Parameters depend on the equipment configuration*



Model Range of **MS FIT**



Portable



Stand



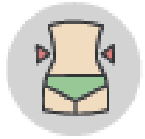
Kiosk

MS FIT is a result of continuous testing and feedback received from athletes engaged in different sports disciplines who have experienced to use **MS FIT Portable**.

It has been developed to optimize the training process. **MS FIT** is proven to be the optimal solution that has allowed athletes and coaches to get a comprehensive and objective assessment of the athlete's functional health state. They took such information into account both for correcting the training load and optimizing the preparations for important competitions.

MS FIT is a **complete solution** for fitness, SPA and professional clubs

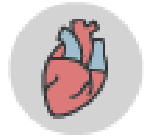
Functions of MS FIT



Segmental Body Composition Assessment



Microcirculation Assessment



Cardio Assessment



Stress and Fatigue Assessment



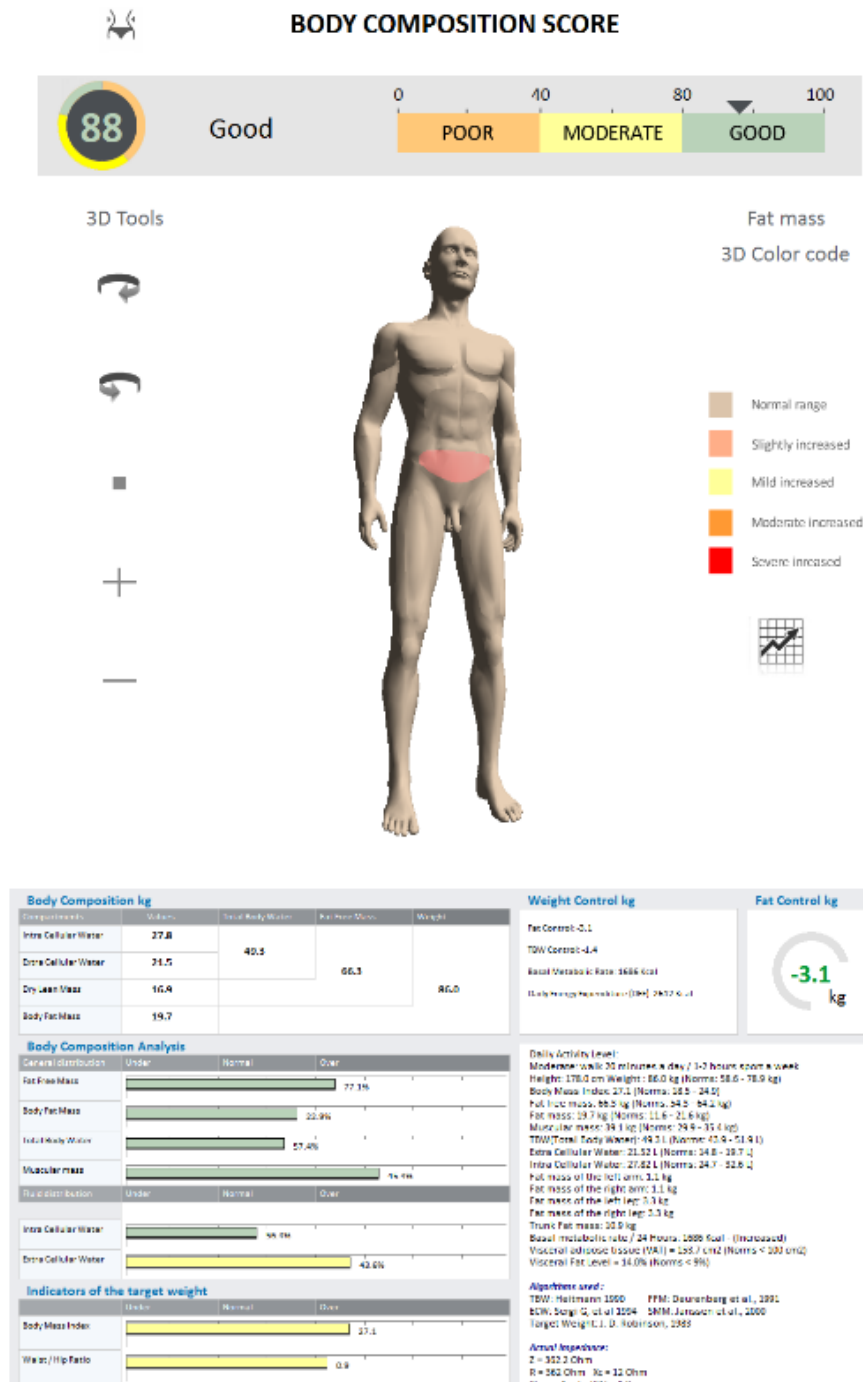
Vertebral Load Assessment

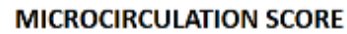


Comprehensive Wellness Score Assessment

Segmental Body Composition Assessment

- ▶ Body Mass Index
- ▶ Fat Mass
- ▶ Fat Free Mass
- ▶ Muscular Mass
- ▶ TBW (Total Body Water)
- ▶ Intra Cellular Water
- ▶ Extra Cellular Water
- ▶ Visceral Fat
- ▶ Basal Metabolic Rate

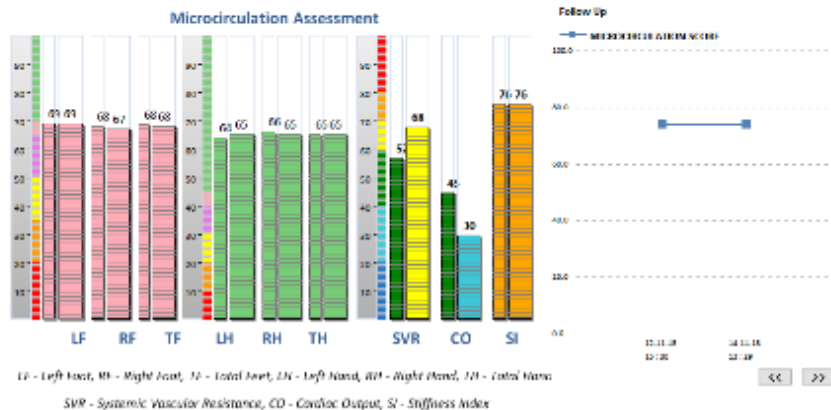


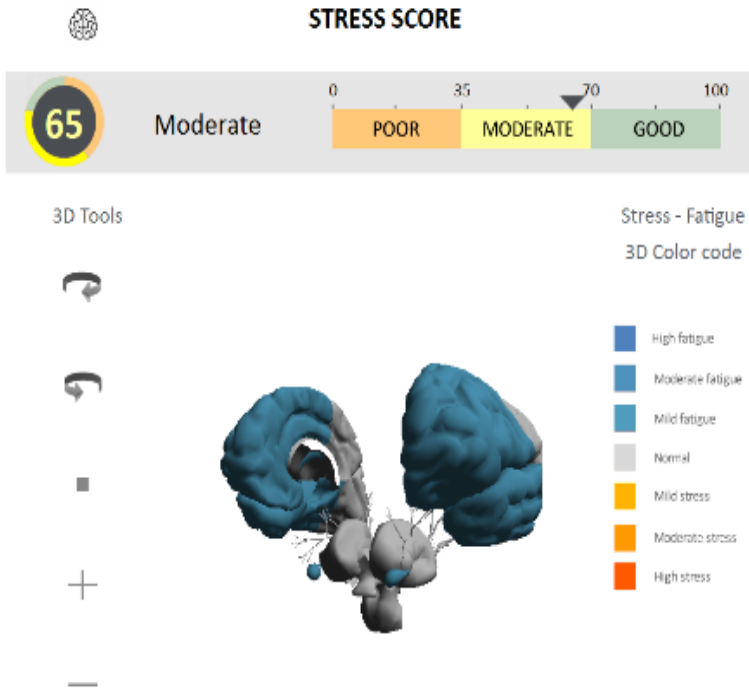


- Normal range
■ Very slightly decreased
■ Slightly decreased
■ Mild decreased
■ Moderate decreased
■ Severe decreased
■ Improvement

Microcirculation Assessment

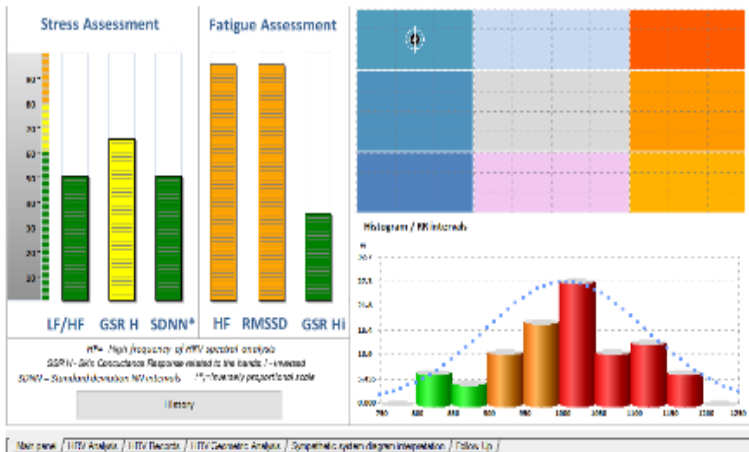
- ▶ Microcirculation Markers in Upper and Lower Limbs
- ▶ Arterial Stiffness Index
- ▶ Dynamic Monitoring of Cardio Training

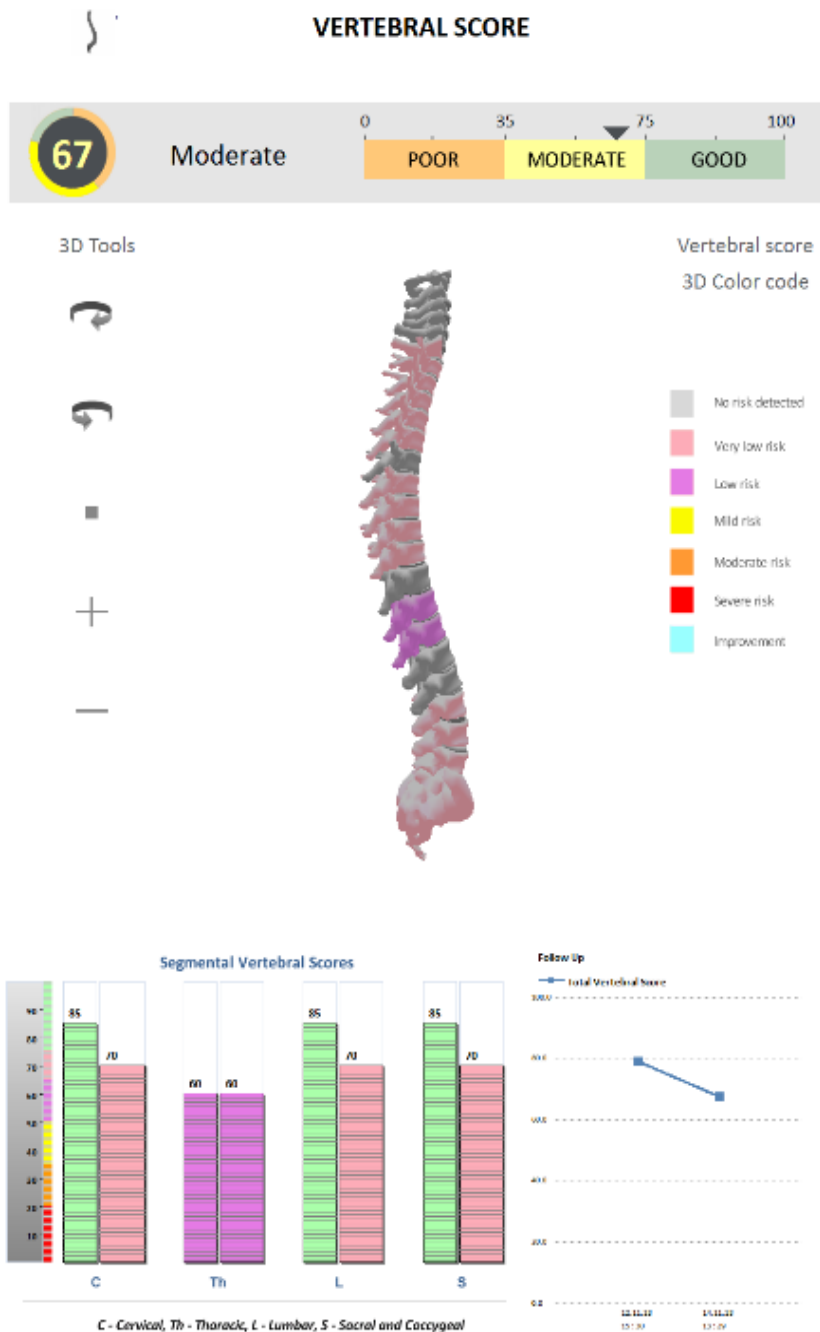




Stress and Fatigue Assessment

- ▶ Stress Level
- ▶ Fatigue Level
- ▶ Assessment and Prevention of Overtraining





Vertebral Assessment

- Assessment score of the neuromuscular conductivity level for various segments of the spinal column



MAIN INDICATORS

Comprehensive Wellness Score Assessment

- ▶ Integral Wellness Score
- ▶ Endurance
- ▶ Efficiency
- ▶ Physical Performance

Physiological Indicators

Body composition	
FM 1-25.5 %	22.9
Visceral Fat Level 1-9.0 %	14.0
Muscular mass 1-24.8 %	45.4
Score: 8	

Fluid balance	
TBW 55.1-68.3 %	57.4
ECW 28.8-48.8 %	43.6
ICW 26.8-56.8 %	56.4
Score: 8	

Microcirculation	
CI 1-2.8 L/min/m ²	2.5
GSR H Total 1-45.0 ml/min	65.0
GSR F Total 1-70.0 ml/min	68.0
Score: 7	

Stress	
SDNN 1-10.0 ms	92
LF / HF 1-2.0 %	0.1
GSR H Total 1-10.0 ms/min	65.0
Score: 8	

Fatigue	
RMSSD 25.8-50.8 ms	135.1
HF 22.8-48.8 %	62.0
GSR H Total I 1-10.0 ms/min	35.0
Score: 5	

Performance	
Level Activity 1-2 L/min	3
SI (Stress) 1-200.0 L/min	38
Total power 1-700 W	1863
Score: 10	

Blood pressure	
Systolic P 1-180 mmHg	120
Diastolic P 1-90 mmHg	80
Pulse P 1-100 b/min	40
Score: 10	

Arterial Stiffness	
SI 1-8 %	10.6
RI 1-80 %	25
-d/d4 0.32-0.48 mmHg	0.49
Score: 6	

Recovery	
SpO2% 95.0-100.0 %	96
Estimated DO2 1-1000 ml/min/m ²	1188
Estimated VO2 1-200 ml/min/m ²	310
Score: 10	

Vertebral score	
C 1-10 %	70
Th 1-10 %	60
L+S 1-10 %	70
Score: 6	

Recommendations based on Results

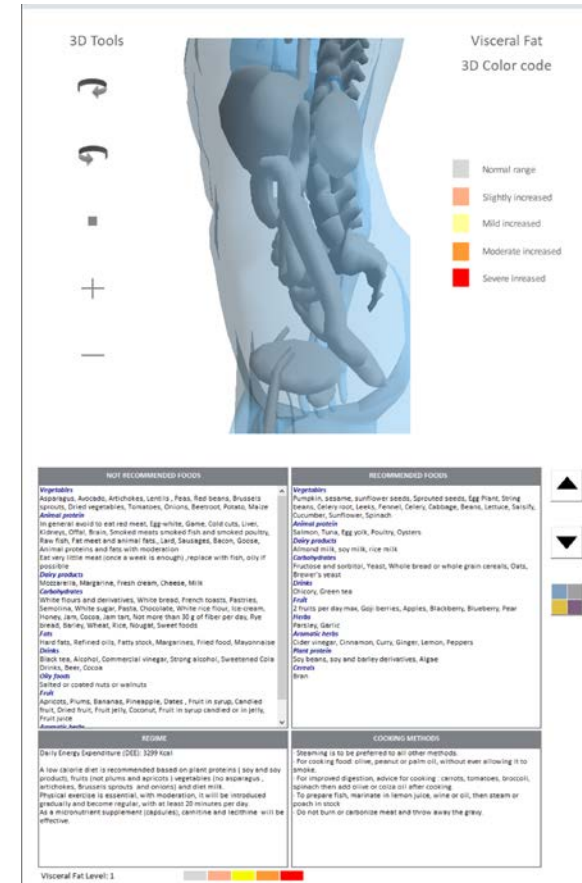
► SPA procedures

► Sports training

► Diet and supplements

Assistance to the therapeutic decision. V = Suggested, Orange X = Warning, Red X = Contraindication									
Indicators	Under	Normal	Over	Values	Norms	Units	Message	Sauna	Pressure L...
Age				25	-				
BIA Indicators									
Body Mass Index				27.5	18.5 - 24.9	C.U	✓	✓	
Fat free mass				72.4	61.6 - 74.6	%	✓	✓	
Fat mass				27.6	10.8 - 21.8	%	✓	✓	
Total Body Water				32.5	32.0 - 62.2	%	✓	✓	✓
Extra Cellular Water				17.7	30.0 - 40.0	%	✓	✓	
Intra Cellular Water				62.3	50.0 - 66.0	%	✓	✓	
Muscular mass				17.0	34.0 - 41.2	%	✓	✓	
Psychology									
Indicators of asthma									
HRV LF (Low frequency)				39.06	22.00 - 46.00	%	✓	✓	
HRV HF (High frequency)				24.06	22.00 - 34.00	%	✓	✓	
Stress									
HR Heart Rate				79	60 - 90	bpm	✓	✓	
SI (Stress Index)				211.40	50.00 - 300.00	C.U	✓	✓	✓
HRV LF (Low frequency)				39.06	22.00 - 46.00	%	✓	✓	
HRV HF (High frequency)				24.06	22.00 - 34.00	%	✓	✓	
Q (Cardiac Output)				7.6	6.2 - 7.5	L/min	✓	✓	
Blood Pressure Indicators									
Systolic pressure				120.0	110.0 - 140.0	mmHg	✓	✓	✓
Diastolic pressure				80.0	75.0 - 90.0	mmHg	✓	✓	✓
MAP (Mean Arterial Pressure)				93	65 - 100	mmHg	✓	✓	✓
Hemodynamic indicators									
SV (Stroke Volume)				988.3	900.0 - 1300.0	dyn-s/cm3	✓	✓	✓
SV (Stroke Volume)				96.4	60.0 - 100.0	ml	✓	✓	
Q (Cardiac Output)				7.6	6.2 - 7.5	L/min	✓	✓	
RV (Blood Volume)				6.41	5.72 - 6.32	L	✓	✓	
Arterial stiffness									
SI (Stiffness Index)				6.7	7.0 - 9.0	m/s	✓	✓	
O2 Indicators									
SpO2				96.50	95.00 - 100.00	%	✓	✓	✓
DO2 (Delivery oxygen)				1275.1	800.0 - 1200.0	ml/min-m2	✓	✓	✓
VO2				300.0	200.0 - 300.0	ml/min-m2	✓	✓	✓
Stress / Fatigue Assessment									
HR Heart Rate				79	60 - 90	bpm	✓	✓	
Sympathetic system									
Standard Deviation (SDNN)				40.6	40.0 - 80.0	ms	✓	✓	
LF / HF				1.8	0.5 - 2.0	C.U	✓	✓	
Parasympathetic system									
HRV HF (High frequency)				24.06	22.00 - 34.00	%	✓	✓	

Assistance to the therapeutic decision. V = Suggested, Orange X = Warning, Red X = Contraindication									
Indicators	Un	Nor	Or	Valu	Norms	Un	Cardi...	Low training	High training
Age				25	-				
BIA Indicators									
Body Mass Index				27.5	18.5 - 24.9	C.U	✓	✓	✓
Fat free mass				72.4	61.6 - 74.6	%	✓	✓	✓
Fat mass				27.6	10.8 - 21.8	%	✓	✓	✓
Total Body Water				32.5	32.0 - 62.2	%	✓	✓	✓
Extra Cellular Water				17.7	30.0 - 40.0	%	✓	✓	✓
Intra Cellular Water				62.3	50.0 - 66.0	%	✓	✓	✓
Muscular mass				17.0	34.0 - 41.2	%	✓	✓	✓
Blood Pressure Indicators									
Systolic pressure				120.0	110.0 - 140.0	mmHg	✓	✓	✓
Diastolic pressure				80.0	75.0 - 90.0	mmHg	✓	✓	✓
MAP (Mean Arterial Pressure)				93	65 - 100	mmHg	✓	✓	✓
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SV (Stroke Volume)				988.3	900.0 - 1300.0	dyn-s/cm3	✓	✓	✓
SV (Stroke Volume)				96.4	60.0 - 100.0	ml	✓	✓	✓
Q (Cardiac Output)				7.6	6.2 - 7.5	L/min	✓	✓	✓
RV (Blood Volume)				6.41	5.72 - 6.32	L	✓	✓	✓
Arterial stiffness									
SI (Stiffness Index)				6.7	7.0 - 9.0	m/s	✓	✓	✓
O2 Indicators									
SpO2				96.50	95.00 - 100.00	%	✓	✓	✓
DO2 (Delivery oxygen)				1275.1	800.0 - 1200.0	ml/min-m2	✓	✓	✓
VO2				300.0	200.0 - 300.0	ml/min-m2	✓	✓	✓
Stress / Fatigue Assessment									
HR Heart Rate				79	60 - 90	bpm	✓	✓	✓
Sympathetic system									
Standard Deviation (SDNN)				40.6	40.0 - 80.0	ms	✓	✓	✓
LF / HF				1.8	0.5 - 2.0	C.U	✓	✓	✓
BP response				0.00	> 10.00	mmHg	✓	✓	✓
Parasympathetic system									
HRV HF (High frequency)				24.06	22.00 - 34.00	%	✓	✓	✓

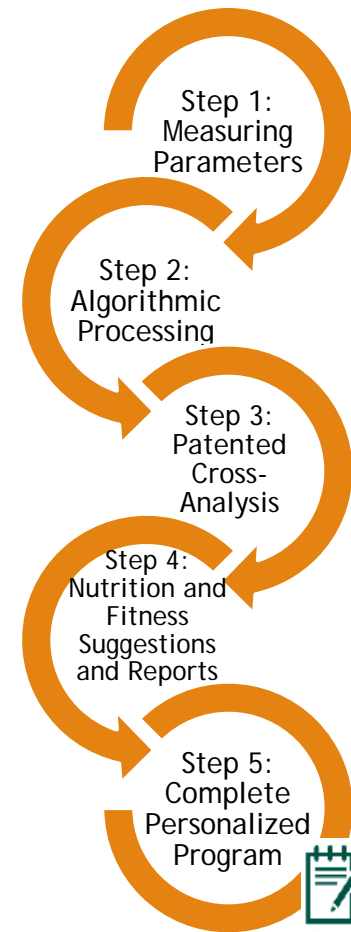


MAIN PRINCIPLES OF THE SYSTEM OPERATION

MS FIT is a functional system of fitness diagnostics that includes the **patented algorithm** for automatic cross-data analysis (program cross-analysis) that is recorded with the use of **4 scientific technologies**:

- ▶ Multi-frequency body composition assessment
- ▶ Galvanic skin response assessment
- ▶ Rhythmogram (R – R intervals analysis)
- ▶ Digital pulse wave analysis

This combination allows this device to provide **comprehensive wellness data** for your customers and **create an individual fitness program** based on the information received, taking into account your **client's wishes and ultimate goals**.



YOUR BENEFITS

Increase in
the personal
workouts
number

Monitoring of
physiological
indicators and
wellness scores in the
training process to
assess its
effectiveness

Increase in
percentage
of extended
contracts

Comprehensive
customer
service

Increase in sales of
additional services
(personal trainings in
related departments,
SPA procedures,
sports nutrition)

Competitive
advantage to
attract new
customers

By purchasing MS FIT you get:

Spectacular
and
accessible 3D
visualization



Technical
support for 1
year



Possibility to
pay by
installments



Free
worldwide
shipping

We are looking forward to future cooperation!

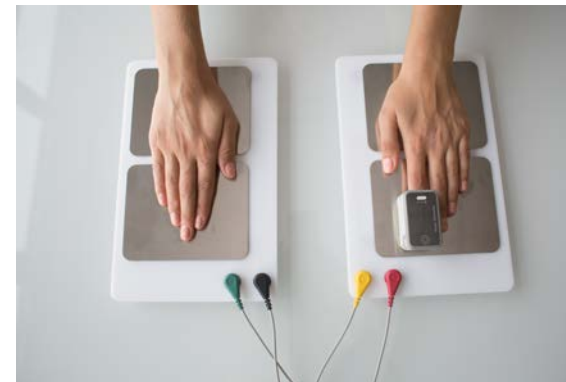
MS FIT is also available in Portable format

Description

Multi frequency segmental Body composition 3D analyzer with Digital Pulse Oximeter. The device is providing Segmental Body composition assessment in tetrapolar mode and recording Digital Pulse wave for Stress / Fatigue and Cardio assessment.

Intended use

This is a General Wellness product has an intended use that relates to maintaining or encouraging a general state of health or a healthy activity. Intended use relates the role of healthy lifestyle with helping to reduce the risk or impact of certain chronic diseases or conditions.



Contact us

USA & WORLDWIDE

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