

COSMED can boast among its customers a long list of centers of excellence in their respective fields.

The following world-class laboratories feature COSMED technology:

Universities/Research

Appalachian State University, Human Performance Lab - USA

Brunel University, Centre for Sports Medicine & Human Performance - UK

Research Center in Mountain Sports - Italy

Chinese University, Sports Science & Phys. Education - Hong Kong

CMRC, Copenhagen Muscle Research Centre - Denmark

DSHS, German Sport University Cologne - Germany

Edge Hill University, Sport Science - UK

IAT, Institute for Applied Scientific Training - Germany

Keio University, Sports Medicine Research Center - Japan

James Cook University, Institute of Sport and Exercise Science - Australia

LABIOMEP, Porto University Biomechanics Laboratory - Portugal

LEPHE, Laboratory of Exercise Physiology - France

Massey University, School of Sport & Exercise - New Zealand

Nippon Sport Science University

NTNU: Norwegian University of Science and Technology

Nottingham Trent University, Sport Science dept - UK

Queensland Academy of Sport

Shanghai University of Sports, Physical Research Center - China

Università di Verona, Neuroscience, Biomedicine and Movement - Italy

Université de Lausanne, Sport Science Institute - Switzerland

University of Auckland, Sport and Exercise Science - New Zealand

University of Portsmouth, Sport and Exercise Science - UK

University of Western Australia, Sport Science, Exercise and Health

Shanghai Institute of Sport Science

Olympic/Sport Training Centers

ASPETAR, Athlete Centre - Qatar

British Olympic Medical Centre

China Institute of Sport Science

COB, Comitê Olímpico Brasileiro

CONI, Italian Olympic Committee

National Institute of Sport and Physical Education - France

Japan Institute of Sport Science

Dutch National Soccer Association

Institute of sport science - Malaysia

Korean Institute of Sport Science

Korean Olympic Committee

New Zealand Institute of Sport

Team Denmark Center - Denmark

Turkish Olympic Preparation Center

Russian Olympic Innovation Center

Olympic Training Center Hamburg

Olympic Committee of Serbia

Qatar Anti Doping Lab

Spanish Olympic Training Center

Sports Authority of Thailand

Sports Science Institute South Africa

Swedish Winter Sports Center

Swiss Olympic Medical Center

US Sports Academy - USA

Professional Teams

FC Bayern München - Germany

SL Benfica - Portugal

Boca Juniors - Argentina

AC Fiorentina - Italy

Parma Football Club - Italy

Shandong Luneng Taishan - China

Several AFC/NFC/AL teams - USA

Swedish Sports Confederation's Laboratory for Performance Development (RLP) - Sweden

Industry

GSK, Human Performance Lab - UK

Gatorade Sport Science Institute

HUAWEI Research Lab

Johnson & Johnson, Human Performance Institute - USA

Nike, Inc. Sport Research Lab - USA

Mizuno Corporation, Sport Sciences Laboratory - Japan

Samsung Research lab

Military/Elite Corps

Japan Ministry of Defense Research Center

Korea Armed Forces Athletic Corps

Military Medical Academy - Russia

NASA, Johnson Space Center - USA

Naval Special Warfare Development, Human Performance Facility - USA

Qinetiq North America, Centre For Human Sciences - USA

US Army Research Institute of Environmental Medicine

and many more...



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The Metabolic Company

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Metabolic and Body Composition Solutions for Research in Physiology and Human Performance

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COSMED
The Metabolic Company

About COSMED

Established in 1980 and with over 10.000 installations around the world, COSMED can be considered one of the most experienced and reliable provider of metabolic and body composition solutions for laboratories focused on Sport Science and Human Performance.

Metabolic + Body Composition

COSMED world-renowned technology has introduced many "firsts" in metabolic and body composition, contributing to the advancement of performance assessment both in field and laboratory settings. COSMED boasts unique products for Resting Energy Expenditure measurements, Gold Standard solutions for Body Composition analysis and versatile modern devices for cardiopulmonary testing.

Comprehensive Configurations and Options

The COSMED product range provides high-quality solutions, which can be customized to suit all needs, from Olympic Training centers, to industry, to wellness or performance centers. The core products and unlimited configuration options allow for both classic indoor / laboratory set-ups of metabolic carts paired with ergometers and field solutions with wearable metabolic systems. COSMED is the only manufacturer who can provide this degree of customization to suit individual needs and investment.

High Connectivity

In addition to its product range, COSMED has identified a selection of top-in-class suppliers capable of delivering supplemental technology to provide the most complete turnkey solution. COSMED products can be interfaced with a large selection of external devices like stress testing ECG, ergometers (cycle-ergometers and treadmill from main manufacturers), blood pressure monitor, cardiac output monitor, oxymeters and more. The compatibility with the ANT+® and Bluetooth® Low Energy technology allows seamless integration with an extensive number of third party sport-specific sensors and devices (including foot pods, bike power-meters, NIRS sensors, etc.).

Single Integrated Data Vault

The importance of data is growing in all areas and aspects of our lives. Since 2013 COSMED has invested significantly in the development of an entirely new software platform to integrate all COSMED products into a single application and database. OMNIA software, designed entirely by our internal software development team, offers a single platform while operating with multiple COSMED products and from different workstation. OMNIA is available as a stand-alone or in a client/server configuration for either small or large Network environment with a SQL database back-end ensuring data safety and virtually unlimited number of records.

cosmed.com



COSMED

BOD POD

"Gold Standard"
Body Composition
by Air Displacement
Plethysmography



Q-NRG

Portable Metabolic
Monitor for
individual metabolic
assessment



Ergometers

Running Machines
and Ergometers
with a wide range
of options for all
applications



K5

Wearable Metabolic
System for both Field
and Laboratory
Testing



Quark CPET

Research Grade
Metabolic Cart for
Sport Science and
Human Performance
Applications



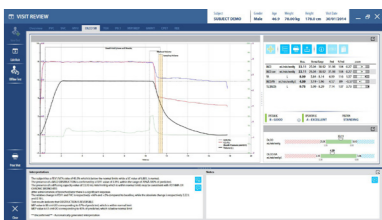
Q-NRG MAX

Metabolic Monitor
for V02 Max and
Resting Energy
Expenditure

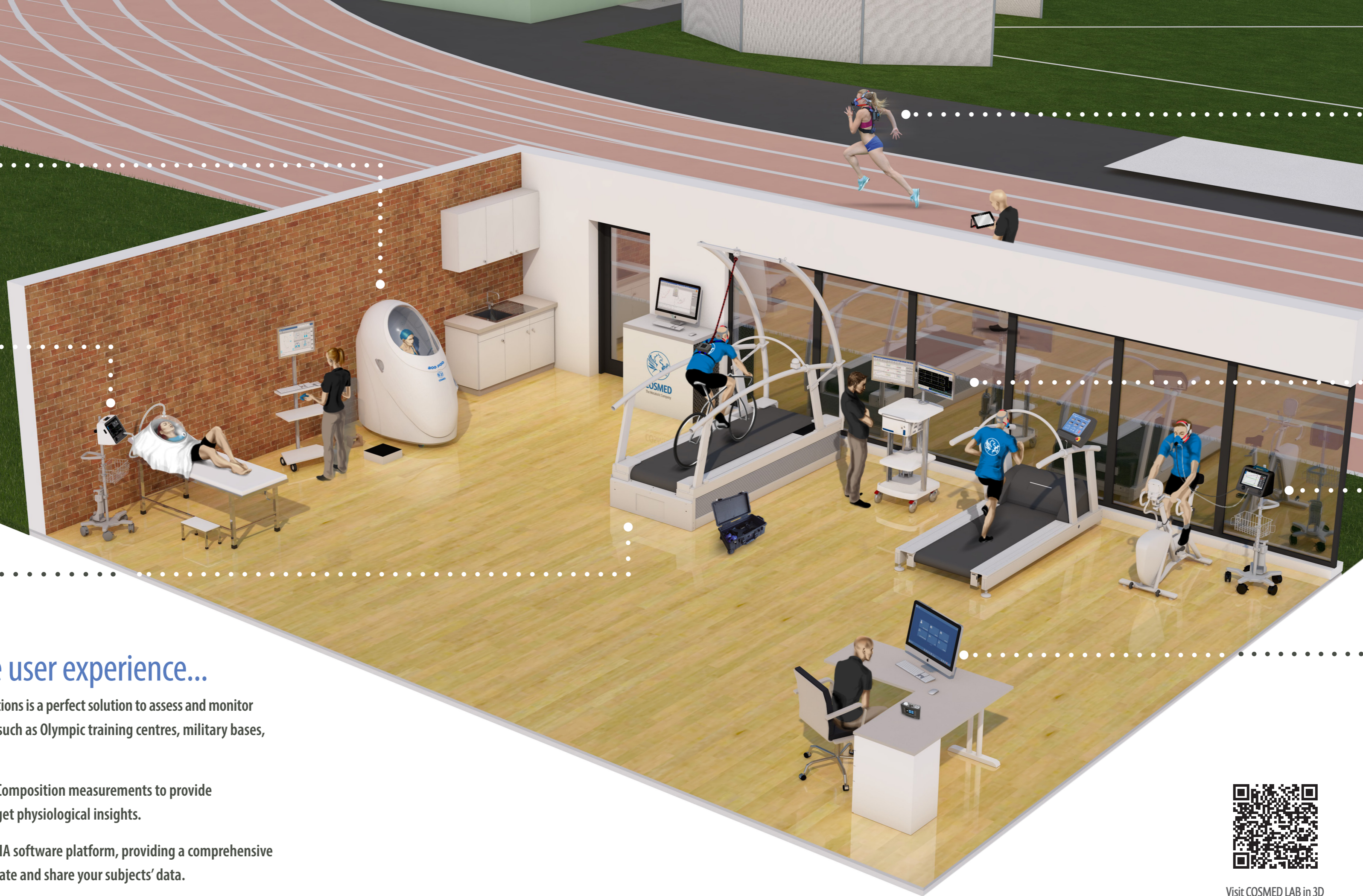


OMNIA

One Single Integrated
Software Solution
for advanced Data
Management



Visit COSMED LAB in 3D



More assessments, a unique user experience...

COSMED products range with its multiple configuration options is a perfect solution to assess and monitor sport and human performances in many facility settings such as Olympic training centres, military bases, wellness centres and research institutes.

Key information can be drawn from Metabolic and Body Composition measurements to provide personalized training programs, exercise prescription or get physiological insights.

All devices are controlled by the same, user-friendly OMNIA software platform, providing a comprehensive solution to manage tests and seamlessly compare, integrate and share your subjects' data.