



MasterScreen Body

Powered by SentrySuite™



For over half a century the JAEGER® bodybox generations have contributed to the standard for excellence in bodyplethysmography. Today powered by the new SentrySuite platform the JAEGER MasterScreen Body is surpassing its predecessors.

FAST – full test procedures can be completed in less than 2 minutes

SMOOTH – workflow driven software with textual guidance and animated coaching

SAFE – easy demountable pneumotach complemented with the MicroGard® II filter

RELIABLE – validated for compliance with the rigorous ATS/ERS criteria

ACTIONABLE – quick diagnostics through automated classification and interpretation



CareFusion



2 MasterScreen Body configurations available:

- **Classic** comfort-sized body cabin
- **XXL**-sized two door cabin with increased leg room and easy access for wheelchairs

Advanced pulmonary function testing

All measurement programs are now powered and controlled by the new SentrySuite platform. With optimized ease-of-use, flexibility and quality control, the MasterScreen Body offers you the following testing capabilities:

- **Enhanced Spirometry:** Slow Vital Capacity, Forced Vital Capacity and Maximum Voluntary Ventilation.
- **Absolute Static Lung Volumes:** using the most accurate, whole body plethysmographic method (Thoracic Gas Volume) for FRCpleth, ERV, RV, TLC, VC, IC.
- **Airway Resistance:** minimal patient effort through quiet breathing and panting methods with real time display of curves and full editing capabilities for sReff, sRtot, sR0.5 and determination of Reff, Rtot, R0.5, etc.

All-in-one cabin options:

- SB Diffusion with CO/He the Single Breath test, a "gold standard" with calculation of DLCO, VA, KCO, TLC, FRC, RV and trapped gas evaluation.
- MIP/MEP Maximum Inspiratory and Expiratory pressures for measuring respiratory muscle strength.
- P0.1 to easily measure tidal breathing respiratory drive.
- APS pro Provocation System for automated, software controlled, accurate and safe bronchial provocation testing.

"Open door" alternatives for airway testing on anxious patients:

- Rocc allows for easy and fast resistance testing with just one single occlusion.
- Impulse Oscillometry (IOS) outside the cabin complements spirometry with airway resistance analysis during tidal breathing.

Expansion modules to complete your all-round lung function station:

- Option MasterScreen PFT to add Static Lung Volumes based on FRC Helium rebreathing method, SB Diffusion Real-Time and SB Diffusion Intra-Breath (including Cardiac Output - only available outside the USA) testing capabilities.

Ideal for:

pulmonary diagnostics, respiratory care departments, clinical labs, allergy labs, pediatrics, physiology, research, occupational medicine, pulmonary and neuromuscular diseases rehabilitation, etc.

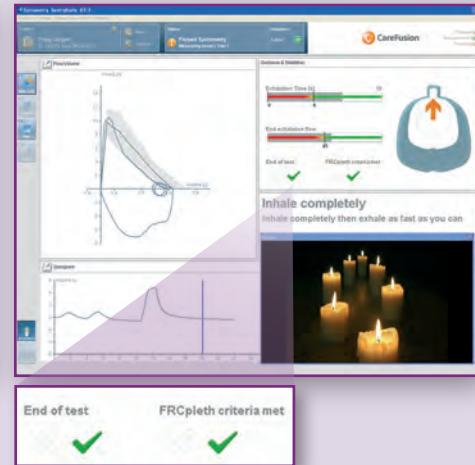
Featuring SentrySuite™

Guidance and coaching

- Appealing helpful incentive screens during the measurement to assist operator and patient in achieving optimal results.



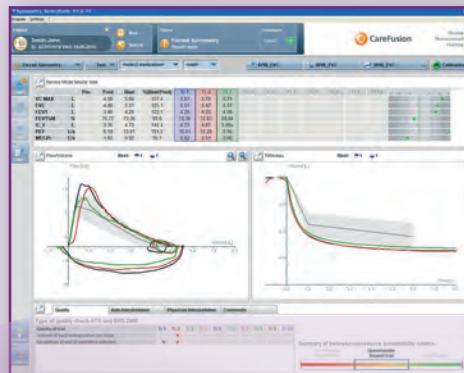
- Check for stable tidal breathing.
- Check for reproducible resistance loops.
- Choice of 10 parameter-linked animations for forced spirometry and regular tidal breathing.



- Check for reproducible FRCpleth measurement and "End of test" criteria for FVC.

Quality control

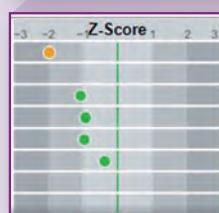
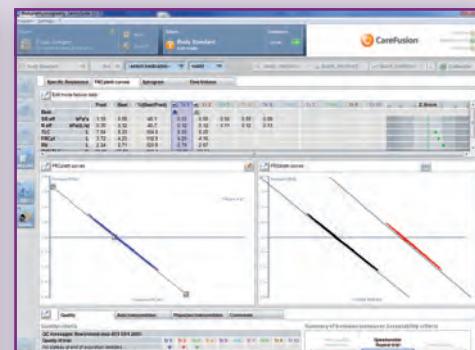
- High standard Quality Control based on ATS/ERS or other authors, during and after measurements, with color coded repeatability graph to optimize patient results.



- Single-click overlay functionality of all trials for resistance and FRCpleth curves to check reproducibility and quality.

Results review

- Comprehensive results review with clear, easy to read, logical screens, assisting technician and clinician with a variety of tools like Z-score, ATS/ERS classification bar, automated interpretation (Ellis, ITS 1984, Methodist Hospital, JAEGER 1994, IOS Interpretation) to improve clinical outcome.



- Easy readability of the tangents for the resistance and FRCpleth curves in standard or full-screen mode.

The heart of the system, the JAEGER flow and volume transducer

The reliable, well proven, accurate JAEGER **heated pneumotach** has been selected as the measurement device of choice in hundreds of publications. Thousands of PFT labs depend daily on its high performance. The **heated pneumotach**, which is easy to disassemble, complements with the validated MicroGard® II bacterial/viral filter for a comprehensive hygiene concept.



Bodybox diagnostics made easy

With the introduction of the SentrySuite our scientific team again succeeded contributing to improved diagnostics and making bodyplethysmographic procedures fast, easy and effective. The all-in-one concept does not only apply to the MasterScreen Body cabin itself but also to the integrated test workflow and output of clinical information.

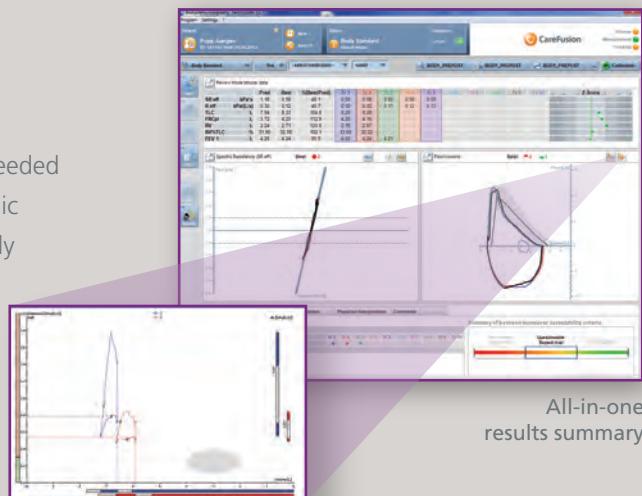
Bodybox diagnostics that before was considered tedious, complicated and lengthy is now accessible to a broad range of patients and operator levels.

All-in-one cabin options

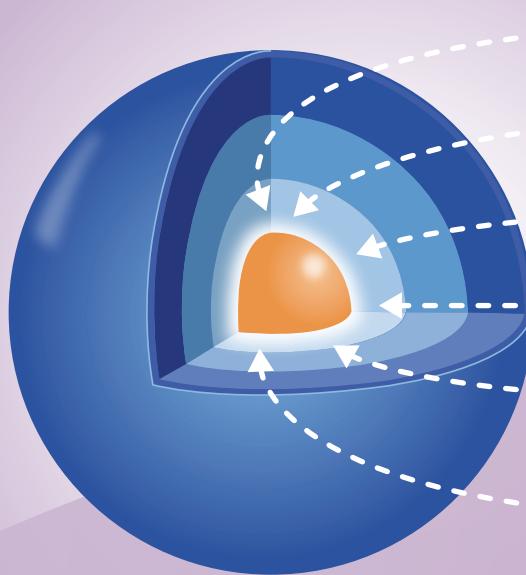


The 3 dimensions of the all-in-one concept

- The **all-in-one workflow** setting, provides a fully integrated test procedure. Within one workflow test procedure, airway resistance, lung volumes, subdivisions and forced spirometry seamlessly can be performed. Assisted by SentrySuite's automated guidance and coaching features any operator will be able to smoothly run through this workflow in less than 2 minutes.
- The **all-in-one cabin** options complete the PFT testing routine with Single Breath diffusion, respiratory mechanics, muscle strength and bronchial provocation testing. An economic solution to your budget while establishing the most patient and operator friendly testing environment.
- The **all-in-one results** summary provides various presentations of key, pre/post parameters in one view. With the addition of the new Resistance/Volume loops, responses of the respiratory system to provocation testing are directly and clearly visible.



360° panoramic view



SentrySuite™ with SQL database

→ JAEGER®

→ Vmax®

→ Vyntus™

→ Micro Medical

→ Web Access

→ GDT - HL7
HIS - EMR

- › Intelligent diagnostics
- › Workflow solutions
- › Data migration
- › System integration
- › Compliance
- › Quality assurance
- › Data protection

SentrySuite™ is compatible with your "CareFusion Family" of devices, i.e. the JAEGER® MasterScreen and Oxycon instruments, the SensorMedics® Vmax Encore, the Vyntus instruments and the Micro Medical series. All PFT and CPET data collected on these devices (and others!) can be imported, combined, reviewed, interpreted and reported through one "database of record", SentrySuite. SentrySuite can import some competitors databases as well. Through phased-budgeting and life extension SentrySuite offers you a smooth transition to a new cardio-pulmonary diagnostic lab while securing your historical databases and capital investment.

The “CareFusion Experience”

CareFusion's Respiratory Diagnostics division is a worldwide company with headquarters in the USA and Germany. An organization with over 60 years of history and experience in the field of pulmonary function testing. It is still today a strong, experienced and reliable supplier of cardiopulmonary diagnostic devices. Familiar, well established past brands include Godart, Mijnhardt, JAEGER®, Beckman, Gould, SensorMedics® and VIASYS® have supplied our pulmonary and exercise labs for decades.

At CareFusion we are “experience” at its highest state, a company that you can rely upon, both now and always.

With our direct offices and exclusive distributors well known all over the world, we are constantly working on developing better products, clinical concepts and healthcare solutions. With our renowned, global Customer Service and Support organization, we stand for an excellent support in almost every country, at anytime.

 **CAUTION** — U.S. Federal Law restricts this device to sale by or on the order of a physician.

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