

# SmartCHECK Test Bench

The Next Generation of Fully Automated Testing

**MSA**  
The Safety Company



*Because every life has a **purpose**...*



## Versatility & Ease of Use



SmartCHECK is the next generation of compact and fully automatic test benches for any SCBA equipment on the market today. A specially designed test head ensures easy handling and the tight fit of full face masks. It features an integrated computer system with touchscreen.

The system software TecBOS.Tech includes a testing Wizard, an intelligent assistant that allows intuitive operation. The user is guided through the smart test-process step by step.

MSA is a full-service provider of personal safety equipment worldwide that offers in-house test bench and software capability. This puts us in a unique position to provide full quality assurance for the entire spectrum of professional safety management. SmartCHECK is MSA's latest development in modular testing and equipment management system solutions.

### Versatility

For a wide variety of applications: choose the SmartCHECK version that fulfils your individual needs in testing and select the appropriate software module to optimise your equipment and inventory management.

From one single test bench to a networked workshop solution with several test benches. The SmartCHECK and TecBOS.solutions modular systems adapt to your needs as your range of tasks grow.

### Ease of Use

Fully automatic testing and intuitive operation ensure high user friendliness. Additional controls keep track of spare parts and services in combination with integrated monitoring functions.

Operator intervention is possible at all times.



## SmartCHECK – Basic Version

The fully automatic basic version of the SmartCHECK offers all standard static tests for low and medium pressure and performs a complete range of tests for:

- full face masks
- lung governed demand valves
- compressed air breathing apparatus
- chemical protective suits
- closed circuit breathing apparatus (AirElite 4h)
- optional: test of closed circuit breathing apparatus with constant dosage

according to EN and local standards, i.e. VFdB. The stiff material of the test head ensures a tight fit and makes mask handling easy.

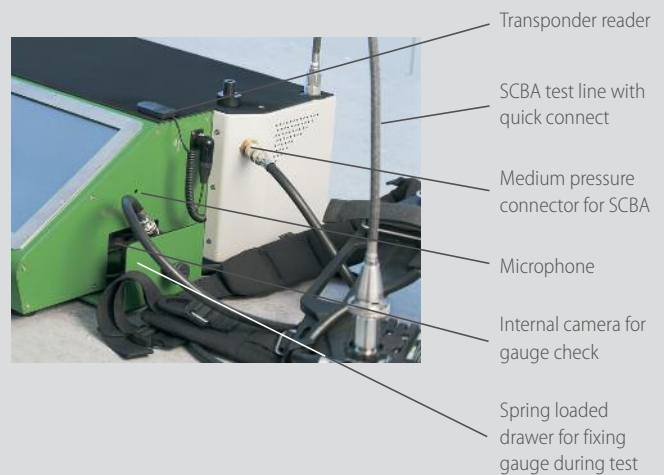
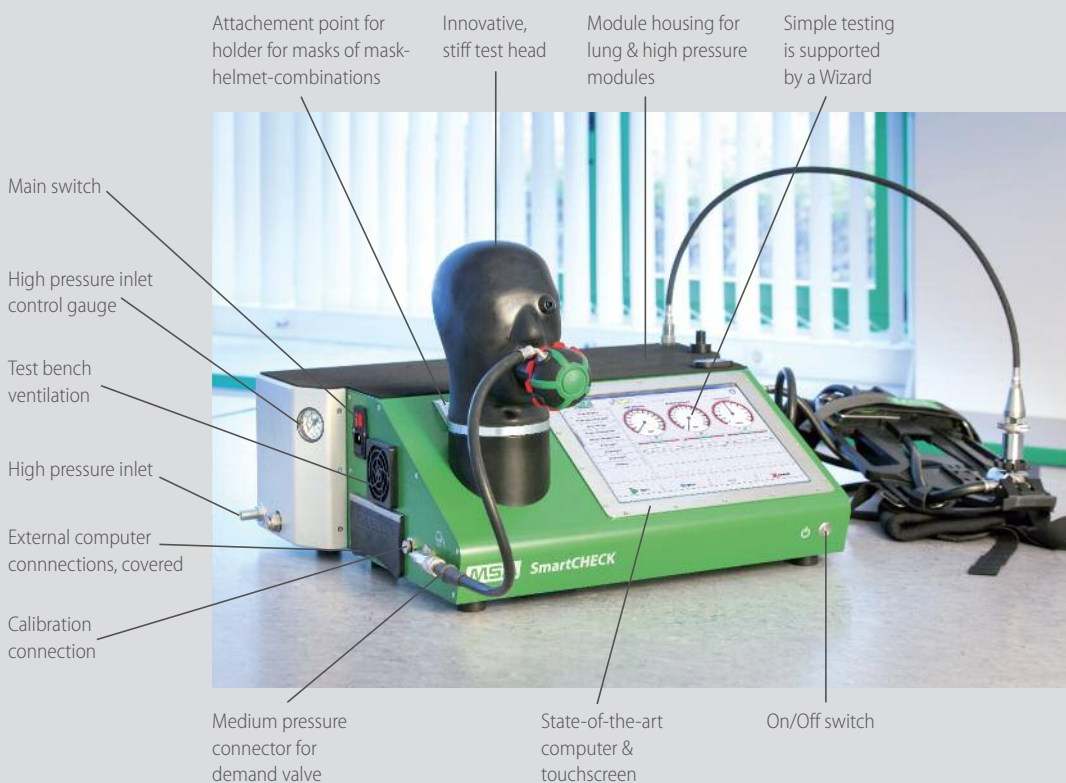


# Enhanced **Testing Possibilities**

## SmartCHECK – Modules

The fully automatic SmartCHECK offers all standard tests for low, medium and high pressure. Due to its additional (optional) modules it offers standard dynamic testings and special tests for:

- full face masks
- lung governed demand valves
- compressed air breathing apparatus
- chemical protective suits
- closed circuit breathing apparatus (AirElite 4h)
- optional: test of closed circuit breathing apparatus with constant dosage according to EN and local standards, i.e. VFD.



## Create Your Device according to Your Needs!



The above-mentioned SmartCHECK components are shown on previous pages. Please see the product photos on pages 3 and 4.



# Individual Software Solutions

## Intelligent Software

The TecBOS.Tech software records and manages e.g. equipment testing dates, upcoming services, all documentation related to work carried out, replacement parts used and test results. By entering the equipment and identifying the users via transponder reader to SmartCHECK, direct testing, without having to go through any intermediate steps, is made possible. This results in greater efficiency and reliability in testing, maintenance scheduling and inventory management of all equipment.

## Individualised

A comprehensive database with pre-installed and later easily added equipment (location, service requirements, spare parts) saves time and eliminates the need for interfaces between separate databases.

By selecting a device from the database of different types of equipment, the operator gets all the relevant information: detailed device characteristics, manufacturer, location, users and passed tests.

## Network

SmartCHECK test benches and the database can be integrated into a network with other computers and controlled from several PCs in a LAN. Equipment specifications can be updated easily while sharing the same database.

Additional value can be offered through software updates via the Internet and online service support.

## Testing

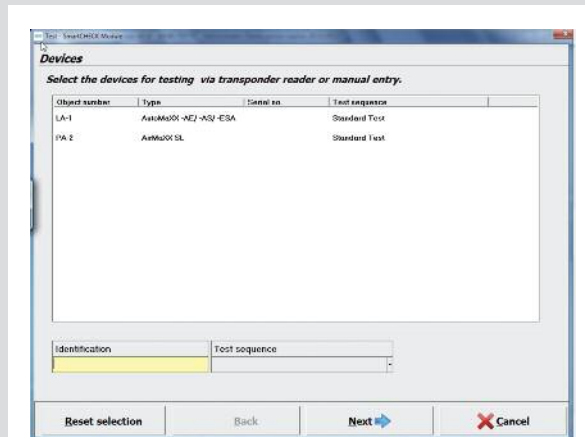
TecBOS.Tech software can be used to test fully automatically any SCBA equipment on the market today. Equipment is entered and identified via keyboard, barcode or transponder reader. The operator is then informed of what tests are due or spare parts required. Preset test sequences can be performed automatically or, alternatively, individual tests can be selected and carried out in detail.

Test sequences and parameters are completely customisable, and the operator can intervene at any time, e.g. repeat particular tests if required. All equipment errors are clearly displayed on-screen, and a full report is generated. The test results are securely stored and can be called up and printed out as necessary.

## Smart Assistant

Wizard, the Smart Assistant, ensures a very simple and intuitive operation. The user is guided through each test process. At every step, test sequence instructions are displayed.

Even untrained people can operate the SmartCHECK, as it is almost impossible to make an error when using it.



Smart Assistant with integrated transponder technology.



Comprehensive equipment management, including notifications of services due.

## Service

High-level online service and update support is available via the Internet, minimising the need for visits by a service technician.

## Upgrade

The SmartCHECK TecBOS.Tech Standard software is an integral part of the extensive TecBOS.solutions package. TecBOS.Tech can be combined with TecBOS.Admin, the application for personnel or incident documentation, or be used in the mobile incident command management tool TecBOS.Command, providing a wide range of possibilities.

## TecBOS.Tech

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The SmartCHECK comes with the TecBOS.Tech software package of your choice. You can choose between TecBOS.Tech Standard, TecBOS.Tech Professional and TecBOS.Tech Premium.

### TecBOS.Tech Standard

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- Manual testing
- Automatic testing
- Selective testing
- Pre-installed equipment database
- Clear structure of device types
- Equipment management for BA workshops
- Standard service times
- Maintenance services
- Item administration
- Address management
- Return, outgoing devices and invoicing
- Cost centre interaction
- Terms of payment
- Device exchange

### TecBOS.Tech Professional

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- Open workshop structure (central workshop)
- Location management
- Defect notification
- Multiple Testing
- Device exchange between locations
- Individual mask designer for additional data
- Equipment/user monitoring
- Integrated interval overview

### TecBOS.Tech Premium

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- Complete inventory management
- Ordering system
- Integrated warehouse management

These features come in addition to the features of the TecBOS.Tech Standard and TecBOS.Tech Professional version, as mentioned above.

### TecBOS.Tech Add-Ons

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- Mobile management (laptop) with complete synchronisation of the database
- Free selection of database system (ORACLE, Microsoft SQL)
- Interfaces to test benches of other manufacturers available on request

These optional features can only be used in combination with TecBOS.Tech Professional or TecBOS.Tech Premium versions.

## Technical Specifications & Ordering Information

SmartCHECK – Basic Version	
Weight	Approx. 23 kg
Dimensions	Approx. 600 x 370 x 250 mm (W x D x H) H without head Head approx. 220 mm
Air supply	6–10 bar
Power supply	100–240 VAC, max. 2.0 A, 50–60 Hz
Assembly to order code	<b>Scope of delivery</b> 1 SmartCHECK, 1 Silicon oil, 1 Microfibre cloth, 1 Touchpen

SmartCHECK – Modules (with Lung & Standard High Pressure)	
Weight	Approx. 46 kg
Dimensions	Approx. 720 x 600 x 250 mm
Air supply	Medium pressure 6–10 bar High pressure 290–315 bar
Power supply	100–240 VAC, max. 2.0 A, 50–60 Hz
Assembly to order code	<b>Scope of delivery</b> 1 SmartCHECK with module housing, 1 Silicon oil, 1 Microfibre cloth, 1 Touchpen, 1 Lung module, 1 Standard High Pressure module

SmartCHECK – Modules (with Lung & Free-Adjustable High Pressure)	
Weight	Approx. 50 kg
Dimensions	Approx. 720 x 600 x 250 mm
Air supply	Medium pressure 6–10 bar High pressure 290–315 bar
Power supply	100–240 VAC, max. 2.0 A, 50–60 Hz
Assembly to order code	<b>Scope of delivery</b> 1 SmartCHECK with module housing, 1 Silicon oil, 1 Microfibre cloth, 1 Touchpen, 1 Lung module, 1 Free-Adjustable High Pressure module

TecBOS.solutions	
10126009	TecBOS.Tech Standard initial license
10126022	TecBOS.Tech Standard subsequent license
10126010	TecBOS.Tech Professional initial license
10126023	TecBOS.Tech Professional subsequent license
10126021	TecBOS.Tech Premium initial license
10126024	TecBOS.Tech Premium subsequent license

For detailed ordering information please contact your local MSA affiliates or visit our new website.

Accessories & Spare Parts	
10108449	SmartCHECK – CPS Leak Test Accessory
10108450	SmartCHECK – CPS Valve Leak Test Accessory
10108185	SmartCHECK – AirElite Leak Test Accessories
10108526	Holder for MHC masks, complete, SmartCHECK
10093710	Dust filter, pkg 2 pcs, spare, SmartCHECK
10115053	Silicon oil/bottle 100 ml
10109451	Microfibre cloth 40 x 40 cm SmartCHECK
10144996	SmartCHECK – Test Adapter LGDV Rd 40
10144998	SmartCHECK – Test Adapter LGDV M 45 x 3
10145001	SmartCHECK – Test Adapter LGDV 88, 96 AS
10145002	SmartCHECK – Test LGDV AutoMaXX AS
10145000	SmartCHECK – Test Adapter LGDV ESA
10096973	High Pressure Supply Line
D2055754	Plug Screw, Thread Rd 40
D2055755	Plug Screw, M 45 x 3
D5175524	Adapter, Plug, Mask Leak Test, LGDV 88, 96 AS
10035659	Adapter, Mask Leak Test, PS-MaXX
10144992	SmartCHECK – High Pressure Test Line SCBA
10144993	SmartCHECK – SCBA Test Adapter 200 bar
10144994	SmartCHECK – SCBA Test Adapter 300 bar
10144987	SmartCHECK – Log-On Cards, Starter Set
	<i>Further accessories such as test adapters and spares on request</i>

### Your direct contact

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