



PRODUCT COMPONENT DESCRIPTION

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SMARTFIT M1

Smartfit M1 System

Manual laser-based measuring device for straightforward anatomical scanning and bicycle adjustment.

Intended for digital size determination in sales environments and ergonomic bike setup services. Provides a compact, easy-to-operate in-store solution for bike sizing.

MEASUREMENT PRINCIPLE

Manual body measurement and bicycle adjustment.

FUNCTIONS

- Measurement of body height and inseam length using a guided bar with gas spring and standardized pressure
- High-quality scale engraving for precise acquisition of body dimensions
- Accurate determination of saddle height and frame size
- Easy integration into sales processes and mobile use

Components/Accessories

Measuring stand on floor platform

Laser Meter: for manual bike adjustment

- Cross-line laser (Laser Class 1)
- High-quality scale engraving
- 3D-printed laser carriage
- High-quality anodized aluminum rail

Accessories

- Inseam measuring device with gas spring



Smartfit M1 License (annual payment)

Bike fitting software license for Smartfit M1. Includes geometry data package, updates, and support.

SOFTWARE MODULES

- Body Measurement
- Bike Measurement
- Bike Sale & Fitting
- Customer Relation Management
- Report Generator

DATA, SERVER, SERVICE

Geometry Database

- Matching of position recommendations with a bike database containing over 200,000 items from more than 170 manufacturers

Update and Online Database

- Automatic online update function
- All updates as well as continuous updates of bike data and manufacturers are covered by the license fee

Support

- Support is provided free of charge via phone, email, or online via remote control

SMARTFIT Q2

Smartfit Q2 System

The sizing system with AI-based photo measurement. Designed for fast body scanning in retail environments. Recommended for bike retailers and as an add-on for service providers.

MEASUREMENT PRINCIPLE

Photo-based measurement using a Full HD industrial camera + multitouch screen.

FUNCTIONS

- AI-supported body measurement via industrial camera with real-time analysis
- Visualization of measurement data on a large touchscreen
- Automated frame size recommendation through connection to the geometry database
- Combination of digital photo technology and manual bike adjustment using the laser meter

COMPONENTS

Scanning System

- Measurement and computer console with integrated Full HD industrial camera (2592 × 1944 px)
- Line laser for positioning (Laser Class 2)
- PC (Ryzen 5, 16 GB RAM, SSD, Windows 11) + 23.8" multitouch monitor
- Inseam measuring device with gas spring
- Laser meter with aluminum rail and scale engraving
- Dimensions (console): 49/29/105 cm (L/W/H)

Computer Hardware (PC, Touch Monitor)

- Modern Intel® Core™ processor (latest generation)
- Memory: 16 GB RAM
- Storage: 512 GB NVMe SSD
- Graphics: Integrated Intel® graphics
- Connectivity: Gigabit Ethernet, Wi-Fi (Wi-Fi 6 or newer), Bluetooth
- Operating system: Windows 11 Professional
- Smartfit fitting & support software pre-installed
- Display: 23.8" / 60.5 cm IPS multitouch panel, Full HD

Laser Meter: for manual bike adjustment

- Cross-line laser (Laser Class 1)
- High-quality scale engraving
- 3D-printed laser carriage
- High-quality anodized aluminum rail



Smartfit Q2 License (annual payment)

Bike fitting software license for Smartfit Q2. Includes geometry data package, updates, and support.

SOFTWARE MODULES

- Body scanning
- Bike scanning
- Bike fitting
- Sale / Bike selection
- Customer relation Management
- Report generator

DATA, SERVER, SERVICE

Geometry Database

- Matching of position recommendations with a bike database containing over 200,000 items from more than 170 manufacturers

Update and Online Database

- Automatic online update function
- All updates as well as continuous updates of bike data and manufacturers are covered by the license fee

Support

- Support is provided free of charge via phone, email, or online via remote control

SMARTFIT Q4

Smartfit Q4 System

The fitting system with laser-based measurement and automatic bike adjustment. Designed for precise bike fitting for demanding customers. Recommended for bike retailers and service providers.

MEASUREMENT PRINCIPLE

Laser technology

FUNCTIONS

- Body scanning
- Bike scanning
- Bike fitting
- Bike selection
- Bike adjust
- Report generator

COMPONENTS

Scanning system

- Measuring platform
- Cross-line laser (Laser Class 1M)
- Industrial linear rail system with electronic two-way length measurement (resolution: 1 mm)
- Electronic data transmission
- Adjustment wall with double-sided display panel and integrated bike holder for bike measurement
- Dual-joint monitor arm with keyboard tray
- Illuminated base
- Dimensions (platform): 93/200/203 cm (L/W/H)

Computer Hardware (pc, monitor, mouse, keyboard)

- Modern Intel® Core™ processor (latest generation)
- Memory: 16 GB RAM
- Storage: 512 GB NVMe SSD
- Graphics: Integrated Intel® graphics
- Interfaces: USB 3.0 / USB-C, HDMI / DisplayPort, RS232 (alternatively via USB adapter)
- Connectivity: Gigabit Ethernet, Wi-Fi (Wi-Fi 6 or newer), Bluetooth
- Operating system: Windows 11 Professional
- Bluetooth mouse and keyboard included
- Smartfit fitting & support software pre-installed

Accessories

- Inseam measuring device with gas spring
- Front wheel stabilizer



Smartfit Q4 License (annual payment)

Bike fitting software license for operating the Smartfit Q4 system. Includes geometry data package, updates, and support.

Software-Module in Q4

- Bike Scanning
- Bike Fitting
- Bike Adjust
- Body Scanning
- Bike Fitting
- Sale / Bike Selection
- CRM Tool
- Report Generator

DATA, SERVER, SERVICE

Geometry Database

- Matching of position recommendations with a bike database containing over 200,000 items from more than 170 manufacturers

Update and Online Database

- Automatic online update function
- All updates as well as continuous updates of bike data and manufacturers are covered by the license fee

Support

- Support is provided free of charge via phone, email, or online via remote control

SMARTFIT Q5

Smartfit Q5 System

The fitting system with laser-based measurement, automatic bike adjustment, and motion analysis video.

Designed for precise and dynamic bike fitting for the most demanding customers.

Recommended for high-end bike retailers and professional service providers.

MEASUREMENT PRINCIPLE

Laser & video technology

FUNCTIONS HARDWARE

- Video / motion analysis video
- Body scanning
- Bike scanning
- Bike adjust

COMPONENTS

Scanning system

- Measuring platform
- Cross-line laser (Laser Class 1M)
- Industrial linear rail system with electronic two-way length measurement (resolution: 1 mm)
- Electronic data transmission
- Adjustment wall with double-sided display panel and integrated bike holder for bike measurement
- Dual-joint monitor arm with keyboard tray
- Illuminated base
- Dimensions (platform): 93/200/203 cm (L/W/H) Maße (Plattform): 93/200/203 cm (L/B/H)

Video / motion analysing system

- 1× video camera (UI-3240LE-C-HQ high-quality industrial camera)
- 1× lens (HF9HA-1B, Fujifilm, 9 mm, 2/3" ~ 1/3" lens)
- Image resolution: 1280 × 1024 pixels; frame rate: 60 fps
- 1× 1-meter USB 3.0 cable
- 1× 10-meter USB 3.0 extension cable
- 1× high-quality height-adjustable tripod
- 1× LED spotlight
- 4-port USB hub



Computer Hardware matched to the video system (PC, monitor, mouse, keyboard)

- High-performance Intel® Core™ processor (latest generation)
- Memory: 16 GB RAM
- Storage: 512 GB NVMe SSD
- Graphics: Integrated Intel® graphics
- Interfaces: USB 3.0 / USB-C, HDMI / DisplayPort, RS232 (alternatively via USB adapter)
- Connectivity: Gigabit Ethernet, Wi-Fi (Wi-Fi 6 or newer), Bluetooth
- Operating system: Windows 11 Professional
- Bluetooth mouse and keyboard included
- Smartfit fitting & support software pre-installed
- Display: 24-inch, Full HD

Accessories

- Inseam measuring device with gas spring
- Front wheel stabilizer 2.0
- Marker set for video analysis with reflective foil
- Roll-up backdrop for video analysis with uniform background (Width × Height: 200 cm × 300 cm)
- Floor protection mat for trainer setup (Width × Depth: 90 cm × 180 cm)

Smartfit Q5 License (annual payment)

Bike fitting software license for operating the Smartfit Q5 system with video analysis. Includes geometry data package, updates, and support.

SOFTWARE MODULES Q5

- Video analysis (motion analyser)
- Bike scanning
- Bike fitting
- Bike adjust
- Body scanning
- Bike fitting
- Sale / bike selection
- CRM tool
- Report generator

DATA, SERVER, SERVICE

Geometry Database

- Matching of position recommendations with a bike database containing over 200,000 items from more than 170 manufacturers

Update and Online Database

- Automatic online update function
- All updates as well as continuous updates of bike data and manufacturers are covered by the license fee

Support

- Support is provided free of charge via phone, email, or online via remote control

SMARTFIT TRAINING

Smartfit training (digital) + follow-up M1 and Q2

In two separate sessions, we train your entire team on your new Smartfit system. All sessions are conducted online via video call and remote access.

1. SESSION: SMARTFIT TRAINING (2 HOURS)

- Verification of setup & calibration
- Operation of the Smartfit software
- Introduction to body measurement
- Hands-on practice of the bike sizing workflow
- Use of Smartfit in sales

2. SESSION: FOLLOW-UP (2 HOURS)

- Repetition of the workflow
- Answering questions and correcting errors
- Sizing practice tasks
- Interpretation of bike recommendations & adjustment values

A confirmed training appointment can be cancelled free of charge up to 14 days in advance. For cancellations within the 14-day period, a cancellation fee of 50% of the training costs applies. Cancellations made within 3 days before the training date will be charged in full.

Available training languages: German or English.

Smartfit training (digital) + follow-up Q4 and Q5

In two separate sessions, we train your entire team on your new Smartfit system. All sessions are conducted online via video call and remote access.

1. SESSION: SMARTFIT TRAINING (2 HOURS)

- Verification of setup & calibration
- Operation of the Smartfit software
- Introduction to body measurement
- Hands-on practice of the bike sizing workflow
- Use of Smartfit in sales/fitting
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2. TERMIN: FOLLOW-UP (2 HOURS)

- Repetition of the workflow
- Answering questions and correcting errors
- Sizing practice tasks
- Interpretation of bike recommendations & adjustment values

A confirmed training appointment can be cancelled free of charge up to 14 days in advance. For cancellations within the 14-day period, a cancellation fee of 50% of the training costs applies. Cancellations made within 3 days before the training date will be charged in full.

Available training languages: German or English.

Smartfit Training (in-house) + follow-up Q4 and Q5

In two separate sessions, we train your entire team on your new Smartfit system. The first session takes place on-site, while the follow-up session is conducted online via video call and remote access.

1. SESSION: IN-HOUSE TRAINING (4 HOURS)

We train your team directly on your sales floor.

- Verification of setup & calibration
- Operation of the Smartfit software
- Introduction to body measurement
- Hands-on practice of the bike sizing workflow (creating customers, measuring, bike selection, bike adjustment)
- Use of Smartfit in sales/fitting

2. SESSION: FOLLOW-UP (2 HOURS)

We train your team in the use of your Smartfit system.

- Repetition of the workflow
- Answering questions and correcting errors
- Sizing practice tasks
- Interpretation of bike recommendations and adjustment values

A confirmed training appointment can be cancelled free of charge up to 14 days in advance. For cancellations within the 14-day period, a cancellation fee of 50% of the training costs applies. For cancellations made within 3 days prior to the training date, the full training fee will be charged.

Available training languages: German or English.