

# DigiPED by schein

digital foot measurement with ROTHBALLER measuring systems

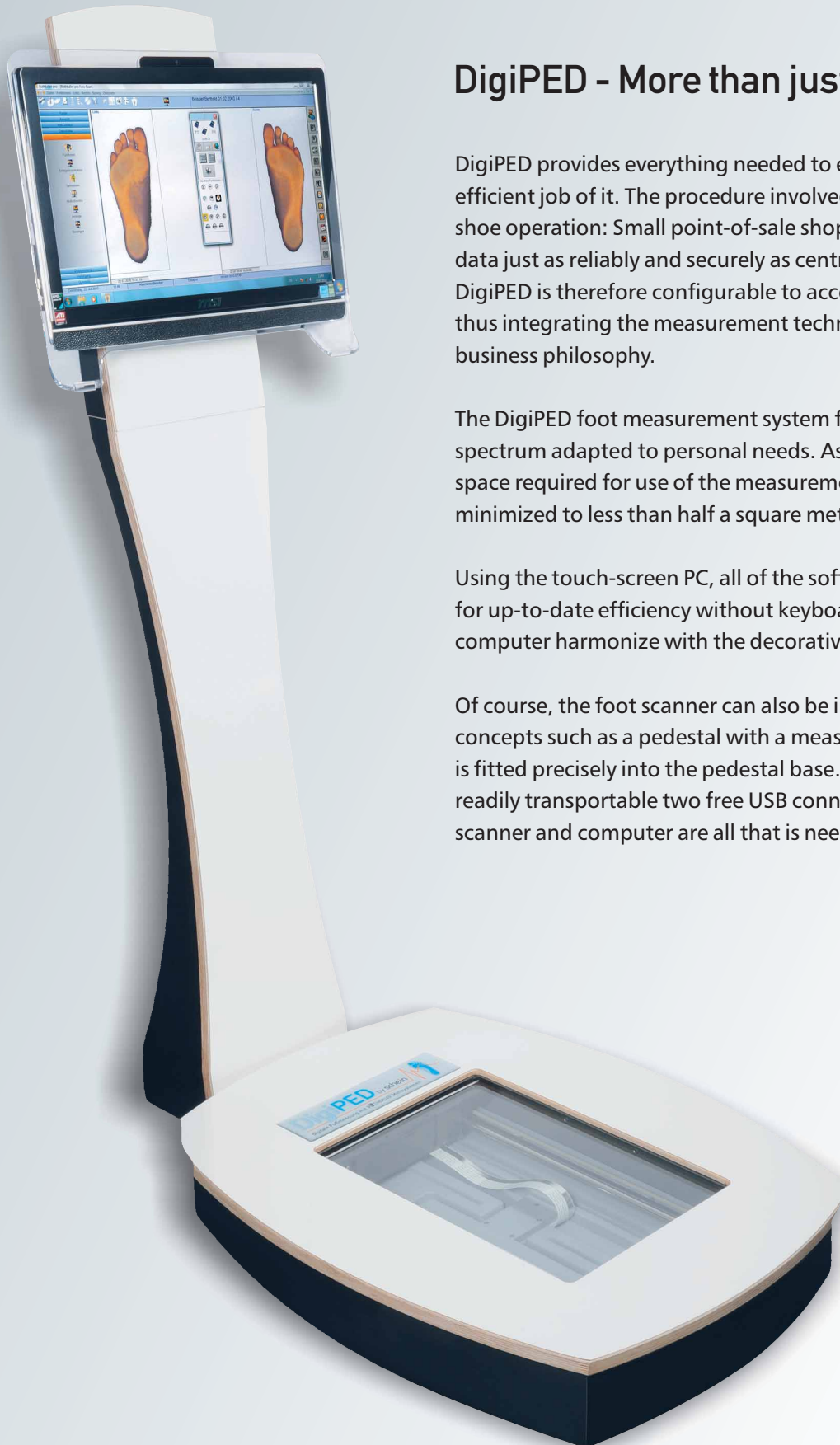


**Scanning  
Treating  
Documenting**



**schein** orthopädie  
service

Germany since 1879



## DigiPED - More than just a foot scanner

DigiPED provides everything needed to expedite insole fitting and do an efficient job of it. The procedure involved is unique to each orthopaedic shoe operation: Small point-of-sale shops must be able to handle patient data just as reliably and securely as central workshop operations. DigiPED is therefore configurable to accommodate individual requirements, thus integrating the measurement technology into a company's own business philosophy.

The DigiPED foot measurement system features a broad performance spectrum adapted to personal needs. As a stand-alone workplace, the space required for use of the measurement system in the salesroom can be minimized to less than half a square metre.

Using the touch-screen PC, all of the software can be operated intuitively for up-to-date efficiency without keyboard or mouse. Scanner and computer harmonize with the decorative column.

Of course, the foot scanner can also be integrated into existing room concepts such as a pedestal with a measuring chair. In this case, the scanner is fitted precisely into the pedestal base. The measurement system is also readily transportable two free USB connections and power supply for the scanner and computer are all that is needed.

## The patient's feet are the focus of attention

The digital foot measuring system DigiPED features a broad performance spectrum. The special software generates all the measurement data needed for orthopaedic fitting of insoles and shoes, also optimizing design in terms of form and material selection.

Archiving of all patient-relevant data can also be done. For example, the fitting process is documented, which is particularly helpful when it comes to assessing long-term changes. This is the kind of versatility that characterizes the DigiPED foot measurement system.



## 1. Data collection

Manual data collection precedes scanning of the feet. This is where all essential customer data can be stored.



The screenshot shows a software interface for data collection. It includes several input fields and sections:

- Personal Information:** Name (Langsam), First Name (Lisa), Birth Date (01.02.1983), Street (Patottenhügel 3), Postcode (72345), and Town (Inslingen).
- Contact Information:** Phone (0123456789), Fax (01567890123), and Email (lisa@mail.de).
- Medical/Insurance Information:** Health Insurance (BKK-Full und Schutz), Insurance Agency (32), and other identifiers.
- Additional Fields:** Own Patient No. (123), W.B.H., and various checkboxes and dropdown menus.

## 2. Foot scanning

The scan itself takes from two to eight seconds depending on the model used. The result then appears immediately afterwards on the monitor and can be further processed or, for example, displayed in the original 1:1 dimensions.

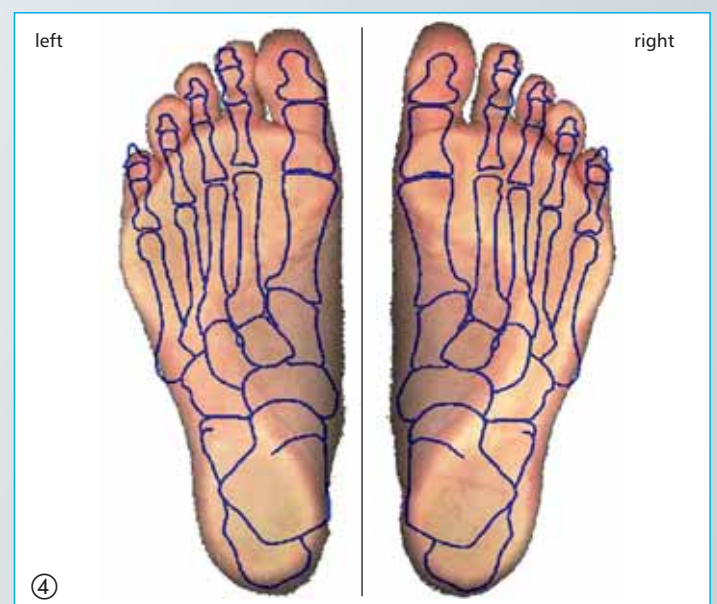
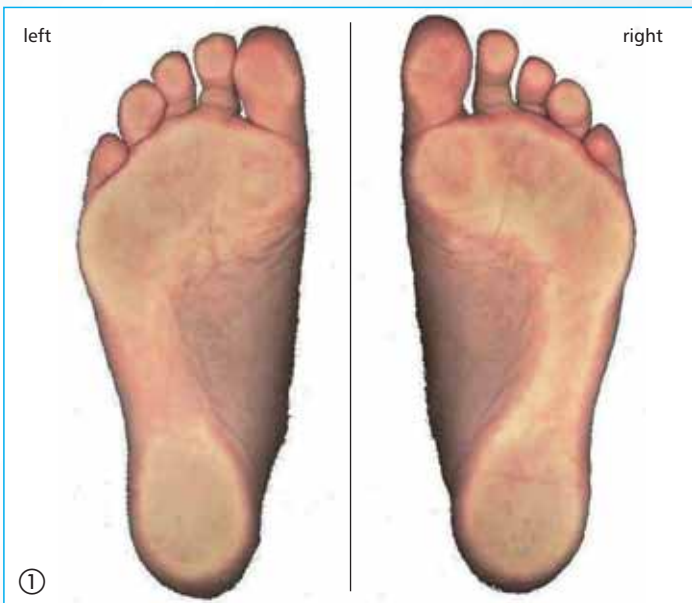


### 3. Evaluation

Various observation and overlay options simplify visualization of foot abnormalities and provide supportive material in dealings with the customer. The foot form and plantar skin situation can be explained. In combination with a pressure measurement system, it is possible to overlay the static foot scan with a dynamic pressure measurement.

This means pressure distribution and gait line can be recognized directly on the foot (for example, Fig. 3).

- ① Scanned feet
- ② Base colours
- ③ Pressure measurement
- ④ Bone visualization





## 6. Central cutting

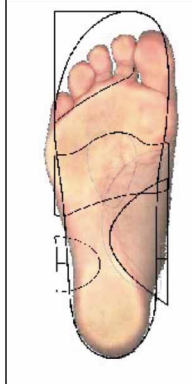
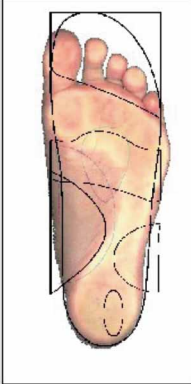
Follow-up fittings can be reproduced readily and efficiently. In addition to the elements, various material combinations can be selected as well as coarse or fine cutting. At schein, insole construction data are transmitted directly to the cutting department, where they are then produced as per order specifications.

The economic advantage: Points of sale need not purchase their own cutters. External cutting also minimizes material storage expenditures.

Examples of cut insole models:

- ① Insole with toe bar (coarse cutting)
- ② Insole with exposure (coarse cutting)
- ③ Retrocuptial support pad (fine cutting)
- ④ Sensomotor insole (coarse cutting)
- ⑤ Sensomotor insole (fine cutting)



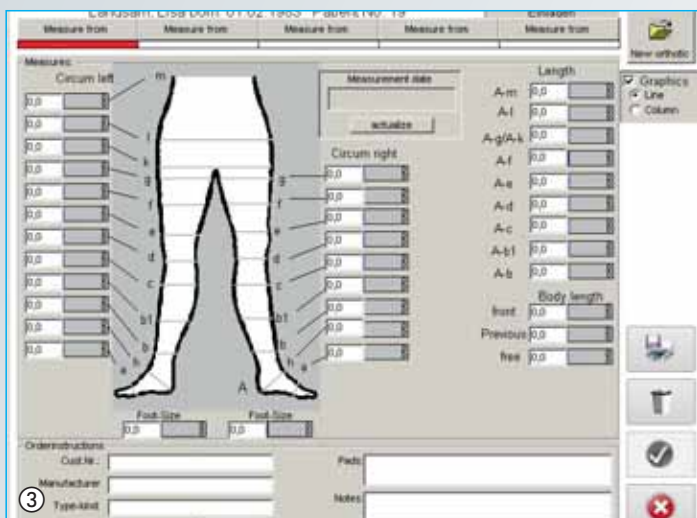
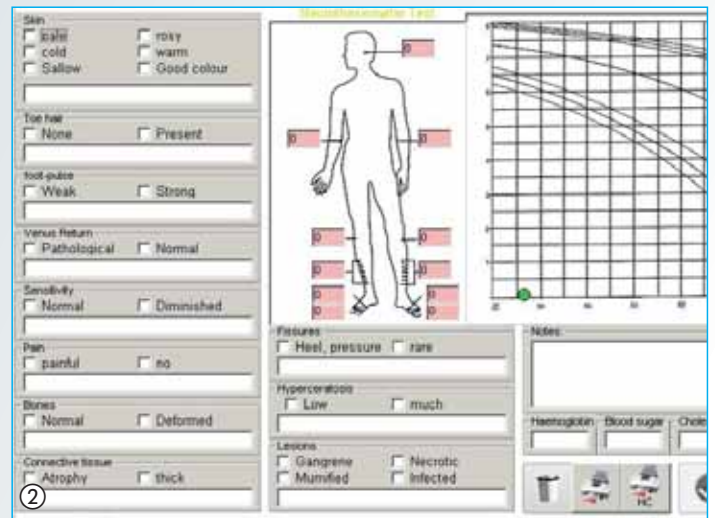
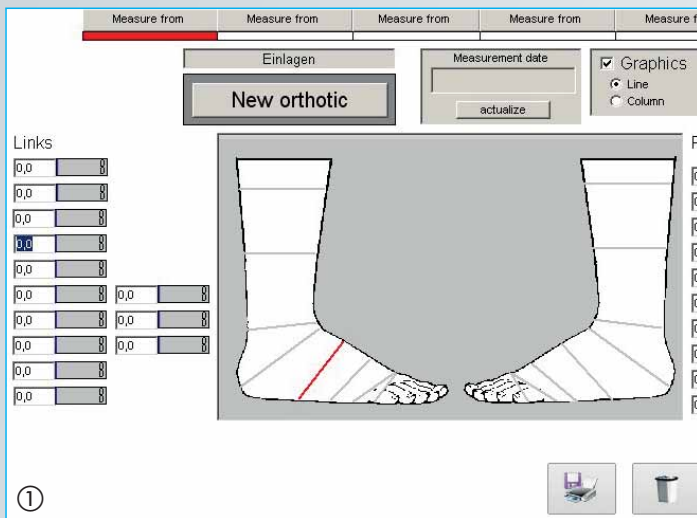
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## 7. Data sheets

Data sheets are used to keep records of the patient measurement data required for further fitting measures. These include circumference data sheets for custom-made shoes or compression hose, prescription recommendations for the physician, the neuropathic data sheet and visualization of the skeleton with a detailed description of the spine, pelvis and knee.

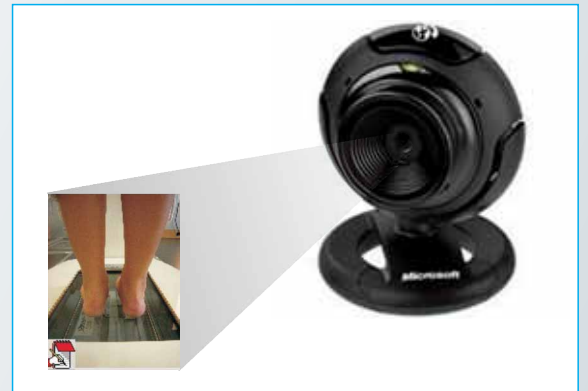
- ① custom-made shoes
- ② neuropathy
- ③ compression hosiery
- ④ skeleton



# Expansion modules

## Quickcam

Using a webcam or digital camera, foot posture is recorded during the scanning procedure. Any number of images of the patient can also be archived.



## Document scanner

The document scanner meets all requirements for archiving of prescriptions, medical reports and approvals. The information is stored in copy directly and filed with the customer data for quick and simple retrieval when needed.



## Barcode reader

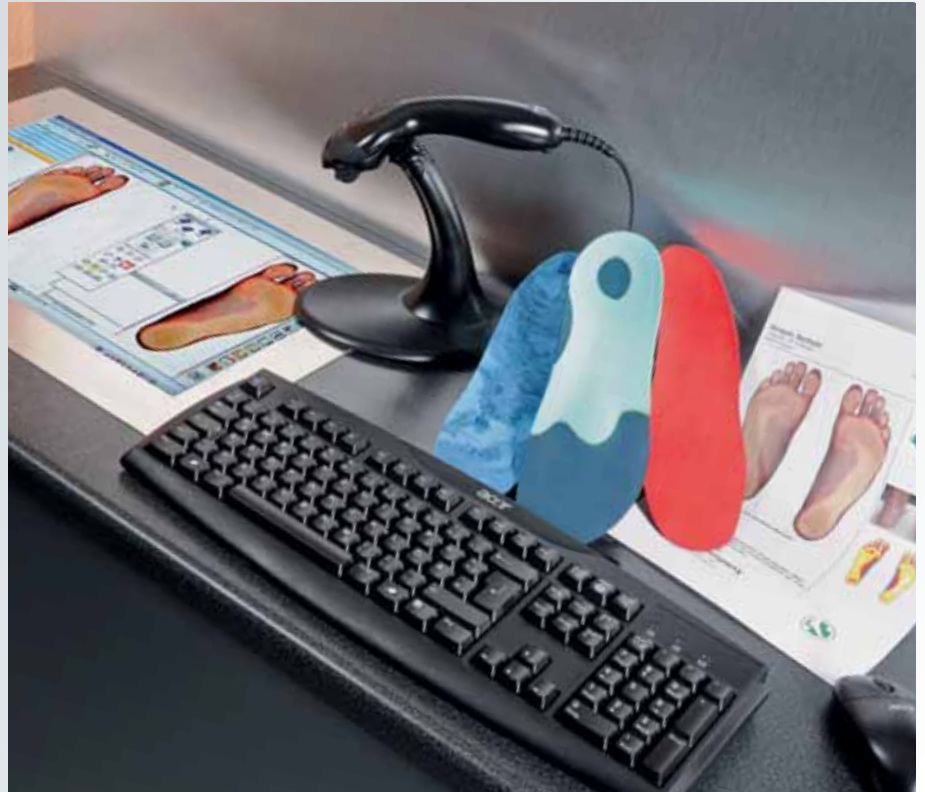
The barcode reader opens the jobs quickly, showing you the current job process and status. Materials can also be booked in with barcodes issued for them by the product management program. Use of the barcode reader also avoids typing mistakes.



## Expansion modules

### Workshop combination set

The workshop combination set, consisting of flatscreen, barcode reader as well as wireless mouse and keyboard, improves and facilitates internal communications between fitting centre and workshop. All data are transmitted directly to the workshop. On site, the order data can be supplemented, for example by information concerning material. The monitor (here for example integrated in the workbench) can display the feet in the original size 1:1. This renders a paper printout unnecessary; the insoles are placed directly on the scan for fitting and individual production. The combination set, with a monitor covering resistant to impact, dust and scratching, can also be used right in the workshop.



### Web-Connect

The Web-Connect module creates an online platform with which certain information can be made available on the internet in a password-protected mode. This information can then be accessed by the customer or the physician with internet-ready equipment. The physician can, for example, view the scanned feet and other images and data sheets on the computer, analyze them and, if necessary, communicate directly with the orthopaedic workshop. No personal data are transmitted.

Future starts now:  
Web-Connect



## Article management system

The product management system is a rationally organized tool for administration, planning, control and optimization of all company processes. For example, it allows for coordination and retracing of temporal, spatial and volumetric parameters of material movements. The system makes an essential contribution to sales-based economic success. Inventory can also be coordinated with a suitable option.

Scope of performance:

- Article management with image, article grouping acc. to UAS (Uniform Article System)
- Barcode capability
- Deadline management
- Supplier management
- Personnel management
- Targeted evaluations
- Product tracing
- Network and branch capability
- Inventory evaluation

Rechner per Artikelsystem

Artikel: Hersteller Artikelnummer: Artikelbezeichnung: **10114001** **1234567898** **Herrn Sport Sand**

Artikelgruppe: Farbe: Saison: Lieferant: **Herrn Sport Sand**

Herrn Sport Sand | schwarz | Her 2000 | 4 | Test

Werte: Ausführung: Home: Gr: GangPlane: Rabatt: Lieferform: **0** | **1** | **0** | **0.0** | **50 10 2010**

Testen  
Auswahl  
Datei  
Löschen



Stammdaten	Filter	Sollbestand	Inventur
	35 36 37 38 39	42 43	45 47 48
Bestand	2 2 2 2	2 2	2 2 2
Diplo	10 10		20
Gesamt-WK			0
Saison-WK			0
EX-Preis	10.00 10.00 10.00 10.00 10.00	10.00 10.00	10.00 10.00 10.00
WK-Preis	22.00 22.00 22.00 22.00 22.00	22.00 22.00	22.00 22.00 22.00
Kalkulation	120.0 120.0 120.0 120.0 120.0	120.0 120.0	120.0 120.0 120.0
Reduziert	0.00 0.00 0.00 0.00 0.00	0.00 0.00	0.00 0.00 0.00

Diplo ↔ Bestand    Zugang    Filteransicherung    Vorgehensnahme    Etiketten

Kunden #220001    Karteikarte    Bestellzettel    Löschen    Speichern    Rückgängig    Neue Suche    Abbrechen



## DigiPED BASIC

Scanning process 8 sec.

## DigiPED HIGH SPEED

Scanning process 2 sec.



### Technical data scanner

Dimensions:	l 63,5 x w 42,9 x h 11 cm
Bearing load:	till 180 kg
Weight:	12 kg

### Computer requirement

Processor:	PC ex Pentium II
Working storage:	ex 512 MB
Operating system:	W2000 / XP / Vista / W7
Storage space:	100 MB storage for software 1 GB storage space additional for scan-roll marks
Recommended monitor:	17" / resolution 1024 x 768
Recommended printer:	A3-printer for 1:1-hard copy
USB-interface:	at least 2 available USB interfaces Hardlock / Scanner
CD-ROM:	Device for installation
Power connection:	110 / 240V 47 - 63 Hz

Functional overview DigiPED	Ultra-Light *)	Light	Professional	Professional XL
patient administration	●	●	● (advanced)	● (advanced)
scan processing	●	●	●	●
1:1 print function	—	●	●	●
product logistics system (ISO 9001/MPG)	—	—	●	●
article management (light version)	—	—	●	●
data sheets module	—	○	●	●
document scan module	—	○	○	● (incl. scanner)
camera module	—	○	○	● (incl. camera)
survey module	—	○	○	●
<b>DigiPED BASIC</b>	Article No. 032022-010	032020-000	032020-010	032020-020
<b>DigiPED HIGH SPEED</b>	Article No. 032022-110	032021-000	032021-010	032021-020

● included in scope of delivery ○ obtainable as additional module (individual retrofit) — not available

\*) Ultra-Light: only obtainable as an upgrade to existing Light-, Professional- or Professional XL system!

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