



ProfileFitPattern Suite



The customers are photographed in front and side profile in a predefined stance.



The photos are then processed in the **ProfileFitPattern Photo** programme and saved as photo silhouettes.

Extraction of body measurements from a photographed silhouette of a specific person

The **ProfileFitPattern Suite** consists of the **ProfileFitPattern Photo** programme and an especially developed interactive profile construction for **GRAFIS®** Version 11. This allows for the extraction of body measurements of a particular person from digital photos.

The digital photo

A customer is photographed in front and side profile in a predefined stance. The images can be generated by the customer, for example for online ordering of made-to-measure garments. These photos are then processed in the **ProfileFitPattern Photo** programme and saved as photo silhouettes.

ProfileFitPattern Photo corrects the lens distortion created by the digital camera, rectifies the perspective, rescales to full size and aligns the photo.

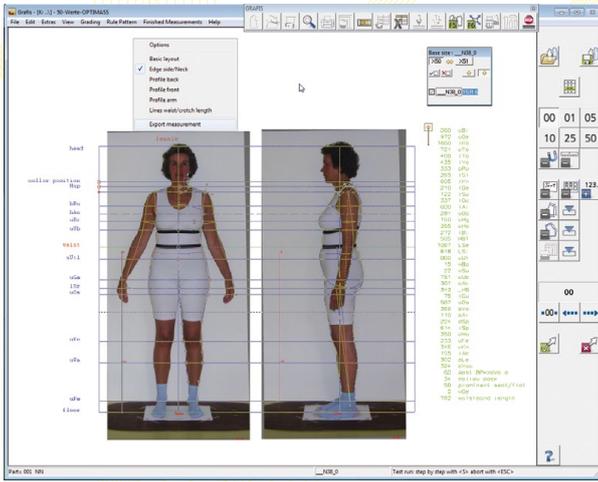
The photo silhouette in GRAFIS

Then, the photo silhouette is loaded into the **GRAFIS®** CAD software as a background image and an especially developed profile construction is called. With the help of this profile construction, the front and side views of the photo silhouette are reconstructed.

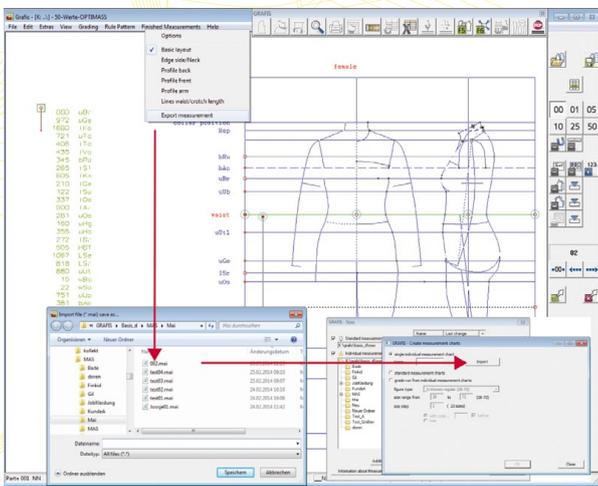
Generate body measurements

A set of body measurements is generated from the adjusted profile based on the filed calculation instructions of the profile construction. This set of body measurements can be saved and subsequently, in a further step, converted into an individual **GRAFIS®** measurement chart. The set of body measurements comprises exactly the body measurements generally required for an interactive construction.

With the individual measurement charts, prepared **GRAFIS®** styles can be recalculated and true made-to-measure garments can be produced for the customer.



The photo silhouettes are loaded into the **GRAFIS®** CAD software as a background image. The user reconstructs the front and side views of the photo silhouette with the help of an interactive profile construction.



A set of body measurements is exported from the profile construction and converted into an individual **GRAFIS®** measurement chart in a further step.

	Standard	Individual	Difference
	N38_0	PERSON01	
1 u/B - Bust	880	880	0
2 u/Ga - Hip	970	972	2
3 l/Kg - Height	1680	1680	0
4 u/Ta - Waist	720	721	1
5 l/Ta - Nape to Waist Centre Back	406	406	0
6 l/Wa - Neck to Waist over Bust	450	425	-15
7 b/Fu - Across Back	340	345	5
8 l/Si - Body Rise	265	265	0
9 l/Kn - Waist to Knee	605	605	0
10 l/Ga - Waist to Hip	210	210	0
11 l/Sc - Shoulder Length	122	122	0
12 l/Oa - Acromion to Elbow	352	337	-15
13 l/Ar - Arm Length	600	600	0
14 u/Oa - Upper Arm Girth	280	281	1
15 u/Hip - Waist	158	160	2
16 u/Ha - Base of Neck	366	355	-11
17 l/Nr - Neck to Bust	275	272	-3
18 l/Ht - Nape to Waist over Bust	506	505	-1
19 l/Sa - Waist to Floor	1080	1067	-7
20 l/St - Inside Leg	795	819	23
21 u/Fr - Heel to Top Girth	319		
22 u/LR - High Hip 8 cm below Waist	880	880	0
23 u/Lk - Below Knee	338		
24 w/Ba - Bust Suppression Angle	15	15	0
25 w/Sa - Shoulder Angle	22	22	0
26 w/Ga - Seat Angle	6	8	2
27 u/Kp - Head Girth	558		
28 u/Lb - Under Bust	750	751	1
29 b/Ac - Acromion Width	222	381	9
30 l/HB - Nape to Bust	344	343	-1
31 l/Cu - Cup Depth	72	75	3
32 u/Oa - Thigh Girth	586	587	1
33 b/Va - Across Bust	354	365	2
34 b/Ar - Syle Width	96	110	15
35 d/Sp - Abdomen Seat Diameter	246	224	-22
36 l/Sp - Clutch Length	660	614	-46
37 u/Wa - Calf Girth	350	350	0
38 u/Fa - Ankle Girth	292	233	-59
39 u/Kn - Knee Girth	350	349	-1
40 l/Ac - Syle Depth	196	195	-1
41 b/Le - Front Waist Width	0	302	302
42 b/Va - Vape Across Bust	214	224	10
43 Abat - Distance Bust p. <> b/Ve o	90	88	-2

Time required

The time required for processing the customer photos with **ProfileFitPattern Photo** is five minutes. A further ten minutes must be allowed for the reconstruction of the photo silhouette with the profile construction.

Advantages

The advantages of **ProfileFitPattern Suite**

- The cost and space needed for a 3D body scanner is omitted.
- The photos can be generated by trained staff or directly by the customer. If the user takes the customer's photograph he/ she can ensure the customer's stance and if necessary, remeasure by hand.
- During pattern generation for the style, figure-specific particularities of the customer can be taken into account.

Prerequisites

The prerequisites for **ProfileFitPattern Suite** are

- a standard digital camera, min. 7 mega pixel,
- a standard computer with Windows XP, Windows 7 or Windows 8 operating system
- and a **GRAFIS®** licence Version 11.

Tip

The **ProfileFitPattern Photo** programme is part of the **ProfileFitPattern Suite** package and can be used for digitizing photographed pattern pieces, see separate prospectus.

Contact

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