
Exampel 2: How to use functions to create all files for a made-to-measure shirt

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initial state

```
close all; clc; clear all;
warning('off','all');
```

take measurements

Open dimensionsheet for measurement description and note

```
open('Dimensionsheet.pdf');
```

create struct of type 'human' for individual measurements

```
% option 1: direct function input
human_example = create_human_from_measurement('Sam Sample','female',
    33, 23, 40, 87, 63.5, 90.5, 58, 24.4, 15)

% option 2: input help
% human_example = create_human_from_measurement;

human_example =

    struct with fields:
```

Exampel 2: How to use functions to create all files for a made-to-measure shirt

```
name: 'SamSample'
type: 'female'
back_length: 33
seat_length: 23
rear_shoulder_width: 40
chest_circumference: 87
waist_circumference: 63.5000
hip_circumference: 90.5000
arm_length: 58
circumference_upper_arm: 24.4000
wrist_circumference: 15
```

define shirt properties

```
fit = 'slim';
sleeve = 'long';
```

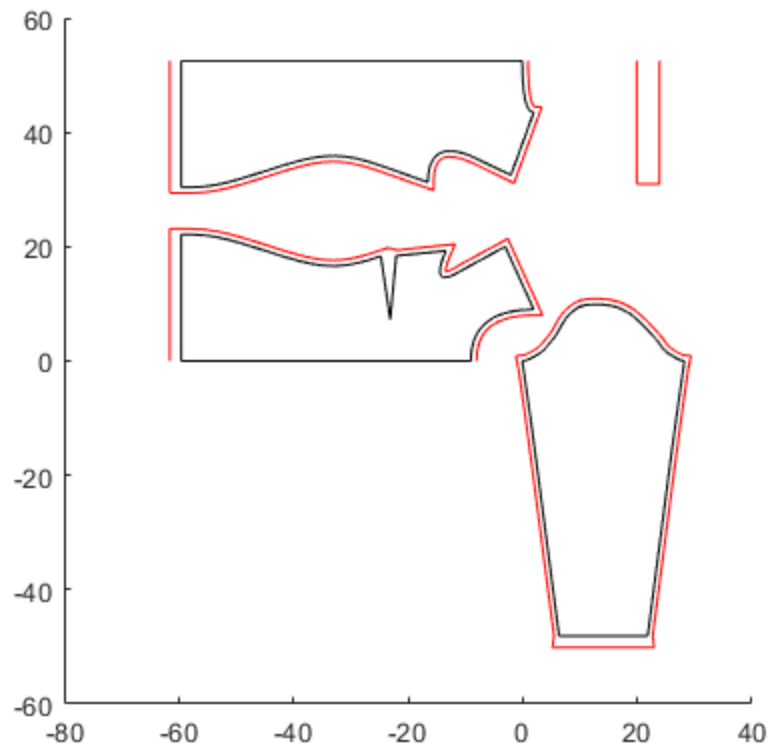
a) prepare internal fabrication

approx. 3 hours personnel costs for student assistants ~ 45 Euro material costs for 1.5 m fabric ~ 15 Euro
estimated costs: 60 Euro (without machine costs)

```
pattern = shirt_intern_production (human_example, fit, sleeve);

plot_basic_pattern(pattern);
plot_production_pattern(pattern);
% plot_all_sizes(pattern); % optional: visual check of pattern
```

A folder with the name 14-Nov-2019_Production_Files_lc_SamSample was created with all files for your chosen fabrication type.



b) prepare internal cutting and external sewing

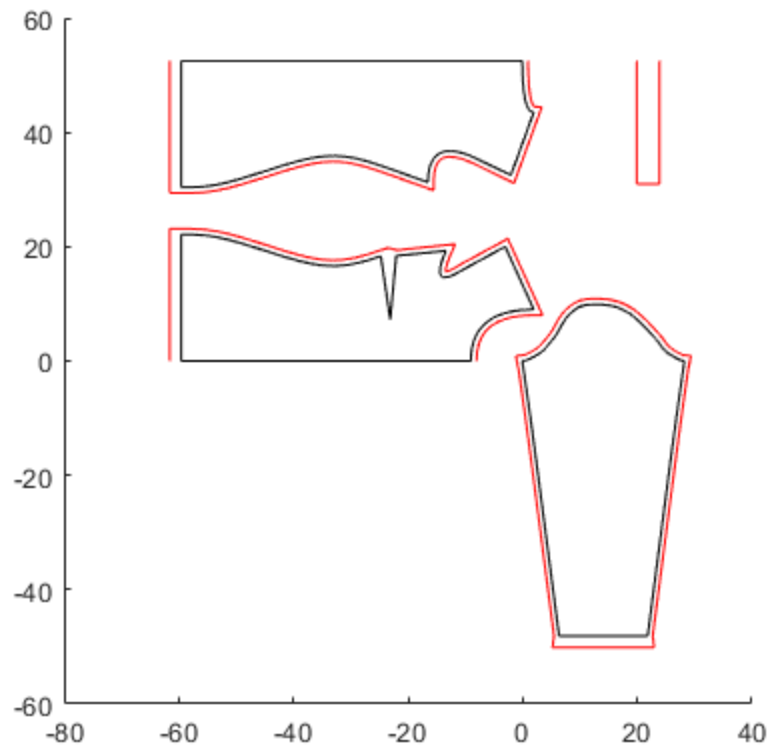
cutting: approx. 1/2 hour personnel costs for student assistants ~ 8 Euro sewing: Tailor ~ 40 Euro material costs for 1.5 m fabric ~ 15 Euro estimated costs: 63 Euro (without machine costs)

```
shirt_intern_cutting_extern_sewing(human_example, fit, sleeve);
```

A folder with the name 14-Nov-2019_Production_Files_lc_SamSample was created with all files for your chosen fabrication type.

Please send the cut parts to the tailor (including return postage) or hand them in personally.

A label with the adress and a order letter was created. The opening hours are Thu-Fri 9:00am - 17:00pm.



c) prepare external cutting and sewing at TWO suppliers

cutting: Waldman Textech ~ 90 Euro sewing: Tailor ~ 40 Euro material costs for 2 m fabric ~ 20 Euro
estimated costs: 150 Euro

```
shirt_extern_production_two(human_example, fit, sleeve);
```

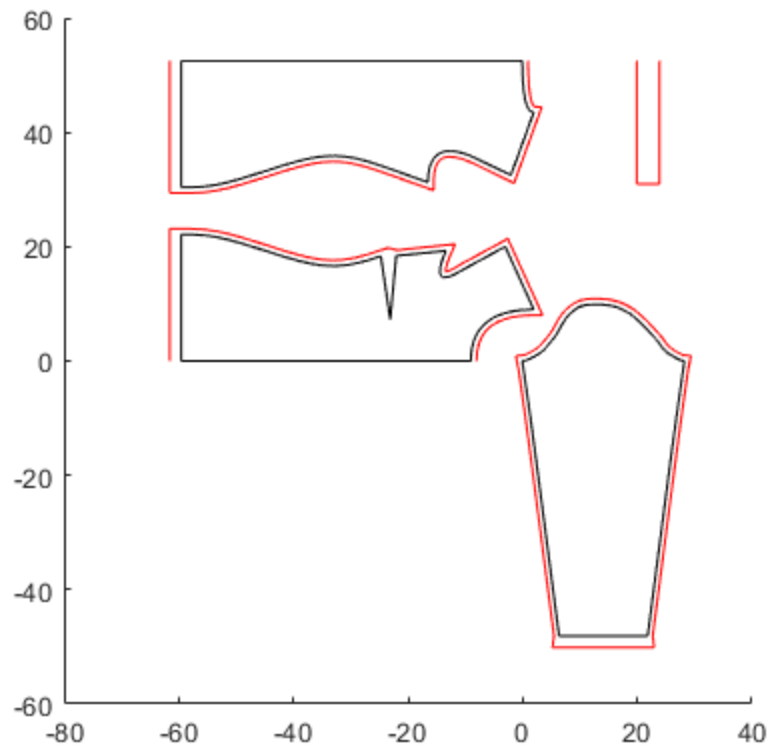
A folder with the name 14-Nov-2019_Production_Files_ep_SamSample was created with all files for your chosen fabrication type.

Step 1: Please send the dxf-files to info@waldmann-textech.de.

The pattern as dxf-file, an order E-Mail and a label with the adress (if you need to send fabric) were created.

Step 2: As soon as you receive the cutted parts please send the cut parts to the tailor (including return postage) or hand them in personally.

A label with the adress and a order letter was created. The opening hours are Thu-Fri 9:00am - 17:00pm.



d) prepare external cutting and sewing at ONE supplier

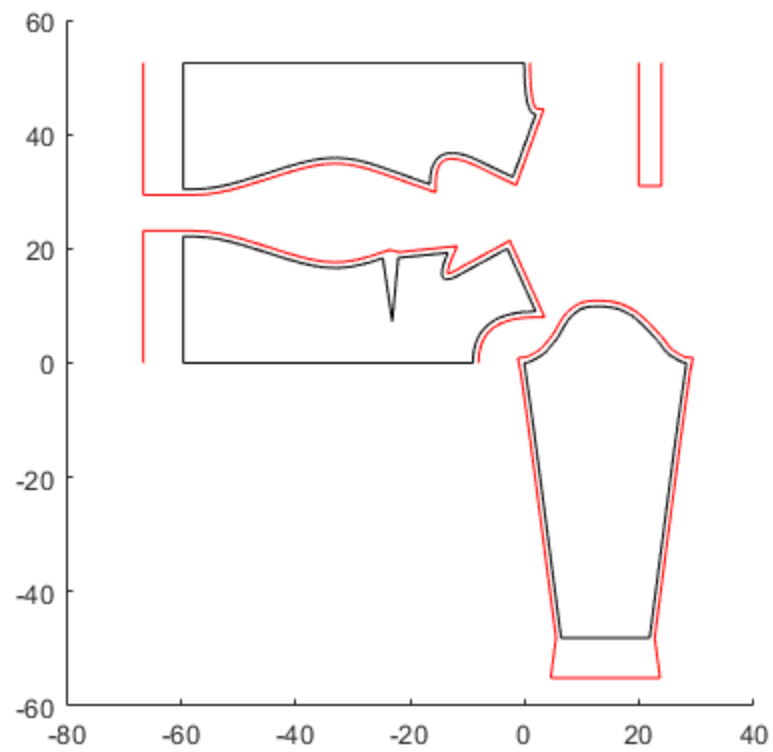
cutting and sewing: Waldmann Textech ~ 250 Euro material costs for 2 m fabric ~ 20 Euro estimated costs: 270 Euro

```
shirt_extern_production_one(human_example, fit, sleeve);
```

A folder with the name 14-Nov-2019_Production_Files_ep_SamSample was created with all files for your chosen fabrication type.

Please send the dxf-files to info@waldmann-textech.de.

The pattern as dxf-file, an order E-Mail and a label with the adress (if you need to send fabric) were created.



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