

Why Can't I Find Clothes That Fit?



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Why Can't I Find Clothes That Fit?

The clothing industry is a big contributor to pollution world wide.

I don't want to spend a lot of time thinking about clothes.

Misunderstanding care instructions is common place.

Fit issues are a common problem across genders, ages, and clothing types.

I can't find clothes to match my personal style.

Formal clothing is uncomfortable.

I wish I could get clothes made for me, so that finding something that fits isn't so hard.

My clothes never last as long as I expect them to.

I don't think I look good in clothes - they don't flatter my figure.

A 21st Century Dress Maker Service

Three tiers of customization to suit various budgets and desires

Ready to Wear, Bespoke, and Couture services

Visualizations of fit, silhouette, and pattern selections available online

3D Scanning and Computerized Knitting to automate the process

Customer Profiles that hold shopping data and measurements

Charles Frederick Worth

1825–1895

‘The Father of Haute Couture’

First designer to present designs on live models that were then created specifically for individuals



Kinematics (United States)

nervous system PROJECTS SHOP NEWS ABOUT LABS CONTACT login cart: 0 items

kinematics cloth

ULTAVOJO
custom 3D-printable garments
created by you + nervous system

BODY SHAPE

GARMENT SHAPE

PATTERN AND DENSITY

TEXTILE STRUCTURE

DIRECTIONALITY: 0.5

color: ● ● ● ● ●

petal controls

CHANGE ANGLE CHANGE SHAPE

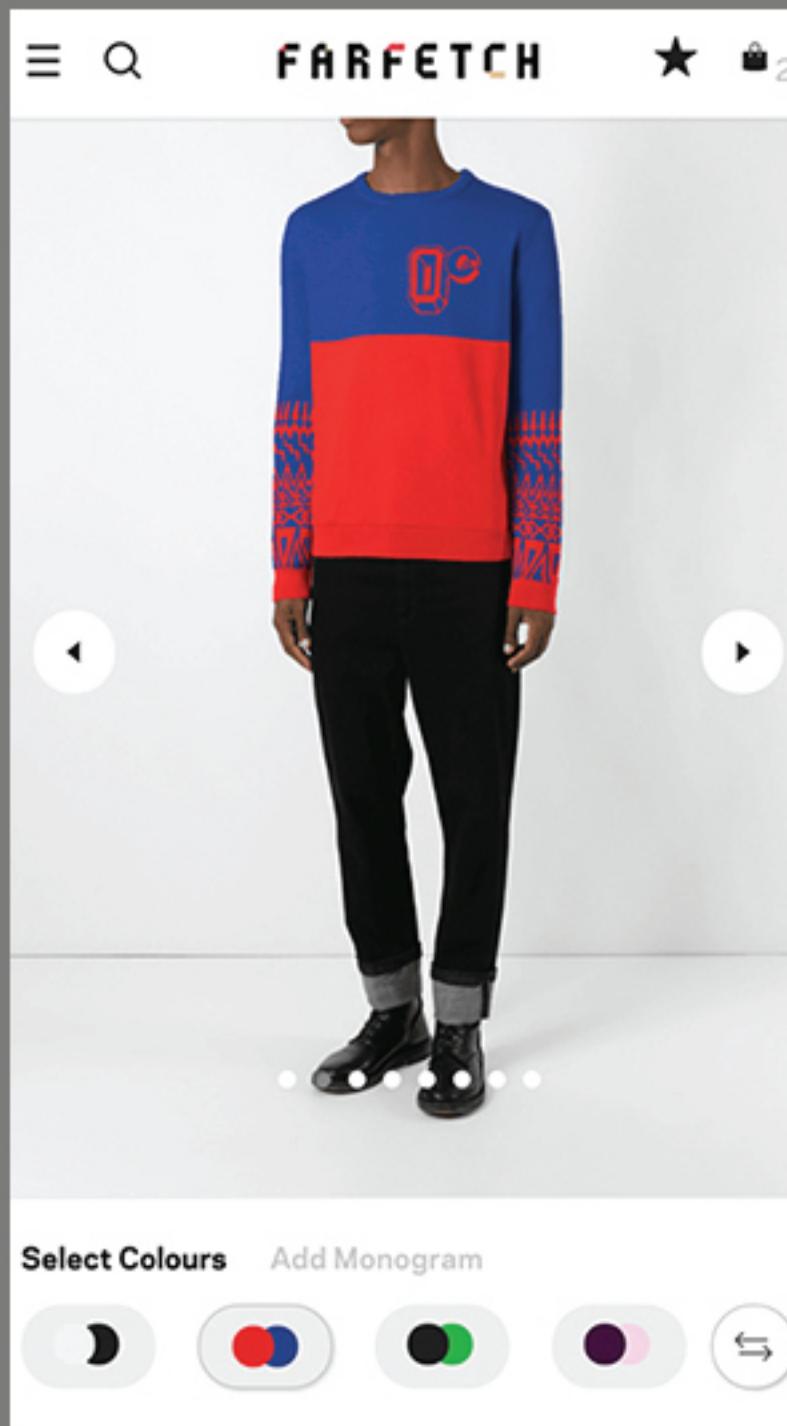
NEXT

BODY
LABS

a generator by
nervous system
© 2010-2010

<https://vimeo.com/113513002>

Unmade (United Kingdom)



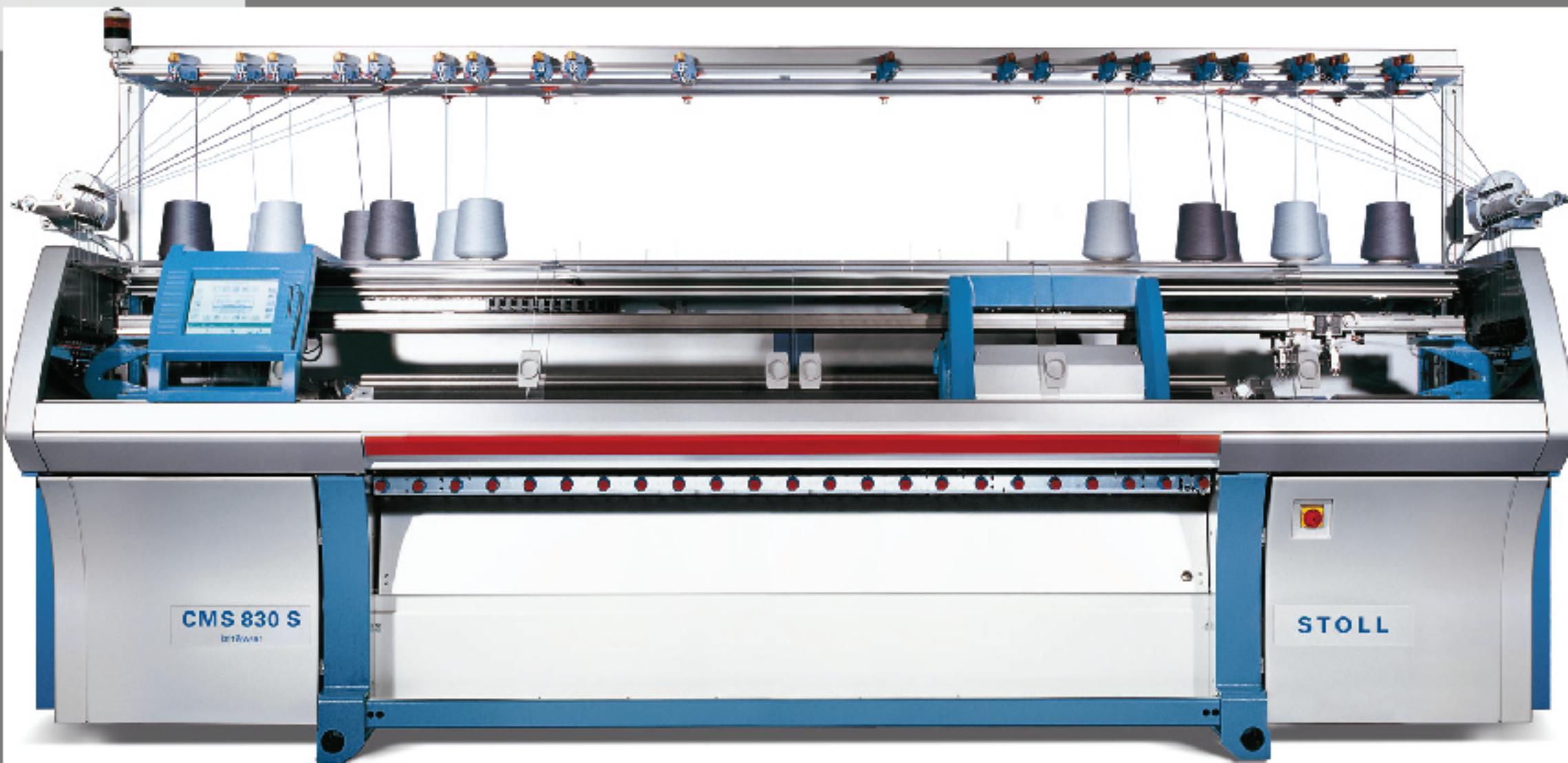
https://player.vimeo.com/external/191170917.sd.mp4?s=680c06199ee9f1514016d00c883bec15f3d1efc1&profile_id=165



Shima Seiki (Japan) Mach2 XS

Computerized Whole Garment Knitting Machines

Stoll (Germany)
CMS 830 S



Workflow - Customer & Production

Create Customer Profile

Pass through 3D Body Scanner

Select from 3 tiers of service:

Pre existing collection
Made to order
Made to measure

Base silhouettes with
interchangeable components
and patterns. Made to order
Made to measure

Fully customized,
Made to order
Made to measure

Selected components are already created for
the knitting machines - piece them together,
send to the machine loaded with the right yarn

In rare cases hand finishing is needed, but most garments will be
ready to wear and come perfectly fitted *right out of the machine*

nav

nav

Title

nav

nav

Customization Level
<Title>

Description of Process

On Hover

Customization
Level
<Title>

Example Image
& Shop Button

Example Image
& Shop Button

Description
of Process

nav

nav

Title

nav

nav

60vw

Customer Profile Form

40vw

How it works
<p>

40vw

How it works
<p>

60vw

Customer Profile Form

nav

nav

Title

nav

nav

20vw

60vw

20vw

How to
scan
yourself
<internal
link>

Camera Upload - Record
Your Measurements
(Form & Image Uploader)

How to
measure
yourself
<internal
link>

nav

nav

Title

nav

nav

60vw

Shop _____ Collection
(First Tier of Service)

Shop _____ Silhouette
(Second & Third Tier)

40vw

Carousel of
featured styles

On Click

Carousel of
styles (select to proceed)

nav
Select Stock Sizes

20vw

nav

Title

nav

nav

60vw

Body Type Figurine
(Generated from Profile)

Wearing selection from
previous

Drag & Drop

20vw
List of fit issues found by computer fit analysis - click to view corrections

nav

nav

Title

nav

nav

20vw

60vw

20vw

Select
Components
Select
Colors - on
secondary
page

Body Type Figurine
(Generated from Profile)

Wearing selection from
previous

Drag & Drop

List of
fit issues
found by
computer fit
analysis -
click to view
corrections

Classes for Fit Figurine

Figure

Head, Torso, Shoulder/Neck
Hips, Waist, Legs, Arms

expand()
contract()
lengthen()
shorten()

Dress

Neckline, Sleeve, Bust, Waist, Hip
High Hip, Low Hip, Fabric,
Silhouette, Color, Pattern, Train

change color()
change fabric()
addComponent()
removeComponent()
expand()
contract()
lengthen()
shorten()

Thank You