



clinique vestimentaire

for a new paradigm of creation & custom-made clothing design

Jeanne Vicerial & the mechatronics department of MINES ParisTech - PSL - March 23, 2023

• fashion design • ready-to-wear • tailoring • digital craft • ready-to-measure • prêt-à-mesure • bio-inspired • ecology • haute couture • mode • sustainability • textile

Today, the two techniques for designing and making clothes are generally opposed to each other: made-to-measure and ready-to-wear. While the latter imposes a size category and requires the individual to adapt, the former is adapted to the person. The research involved in Jeanne Vicerial's *Clinique vestimentaire* merges the two approaches, converging to form new systems for the design and making of clothes, creating a new paradigm: "ready-to-measure." This model combines the speed of ready-to-wear with the unique, specific nature of made-to-measure, in which the clothing-object is connected to the body of the person who wears it.

This system of designing and making clothes is based on a new approach to composing thread, partly "bio-inspired": *tricotissage*, or "knitting-weaving," between knitting—a single thread—and weaving, which enables the creation of a textile, assembled in a similar way to human muscular tissue.

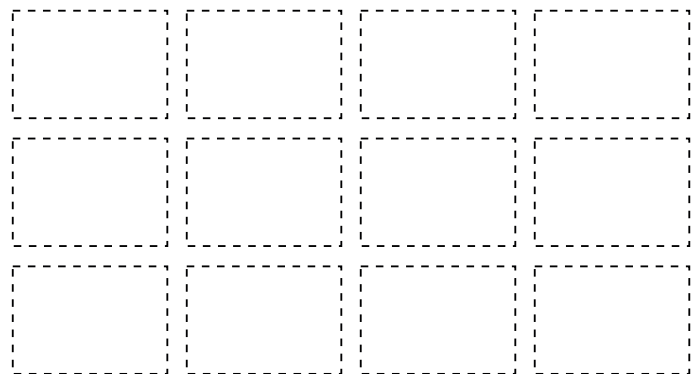
In collaboration with the mechatronics department at MINES ParisTech – PSL, led by Yvon Gaignebet, the *Clinique vestimentaire* research project has developed a prototype knitting-weaving machine. A tool for creation and production, the unit is a computer-driven mechanical system for knitting-weaving made-to measure clothing at a semi-industrial scale with no waste. Dialogue

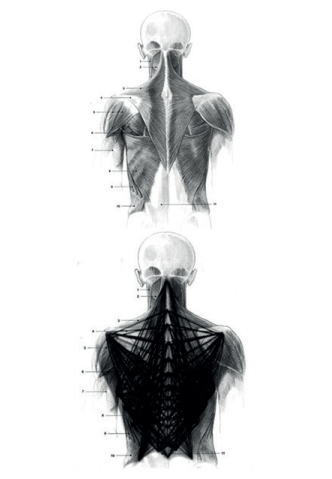
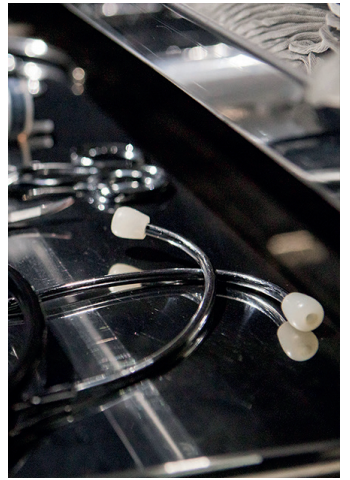
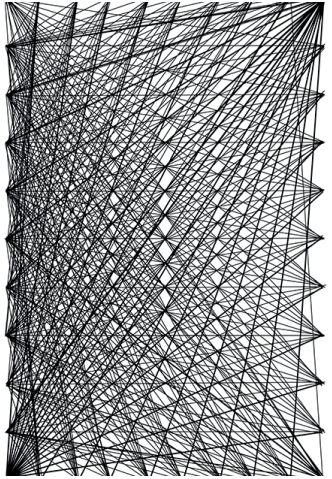
begins with the first encounter with the customer for taking measurements, through verbal communication (consciously expressed desires and sensations) but also non-verbal communication (postures and behavior). Measures that take into account not only anatomical considerations but also anthropological, physiological, and psycho-sociological elements. The production of the garment by the knitting-weaving table is then done according to the body's dimensions translated and interpreted digitally and electronically. During the production process, manual interactions remain possible for adjustments; the machine is also a tool and leaves room for interventions, reviving the classic interactions of the craft. A digital craft with the ultimate goal of designing a custom garment, without remnants, with a know-how focused on the precision of the «cut» and assembly, and delivering personalized clothing with and for the customer. More recently, *Sculptures vestimentaires* continues this research, aiming to give women their place and voice with regards to fashion, norms, and sizing. More recently, *Quarantaine vestimentaire* is a formal and visual response to the health crisis, at a time when closing and distancing are the order of the day. A work is being created every day for 40 days using the only body available—the confined body of its author.

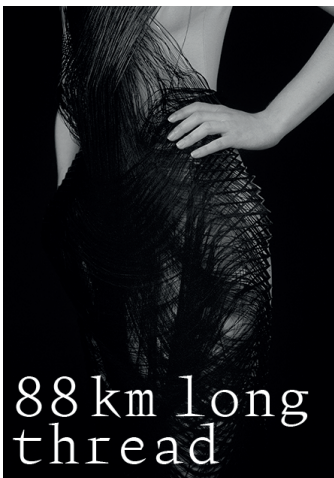
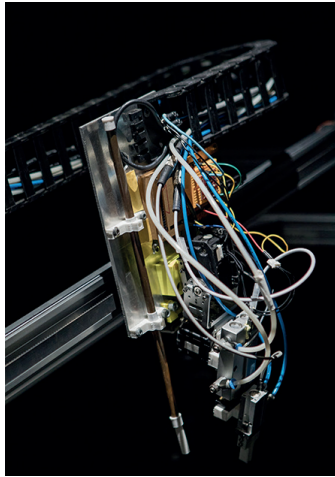
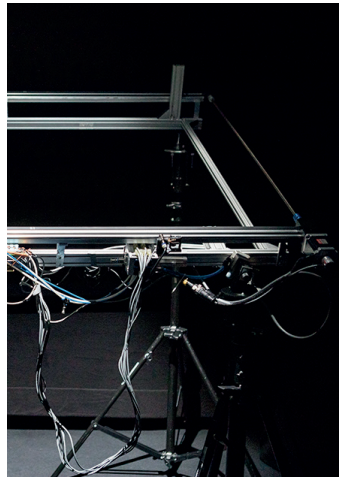
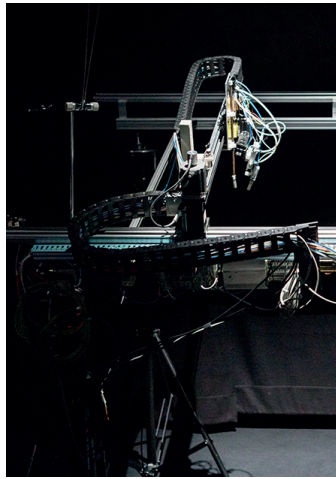
This contribution was published on www.able-journal.org in a story.able format:

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credits

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Research & Creation project carried out at EnsadLab (thesis supervision by Prof. Jean-François Bassereau and Dr. Aurélie Mossé), in collaboration with the mechatronics department of MINES ParisTech – PSL directed by Yvon Gaignebet

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supported by: Chaire Beautés - PSL

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Jeanne Vicerial is a designer and PhD in textile design (SACRe PhD EnsadLab - Université PSL, Paris). Her project *Clinique Vestimentaire* adapts fashion to the body, while proposing new principles of ecological textile creation. She explores thinking on the body and the skin, which for her, has become the main fabric of the 21st century.

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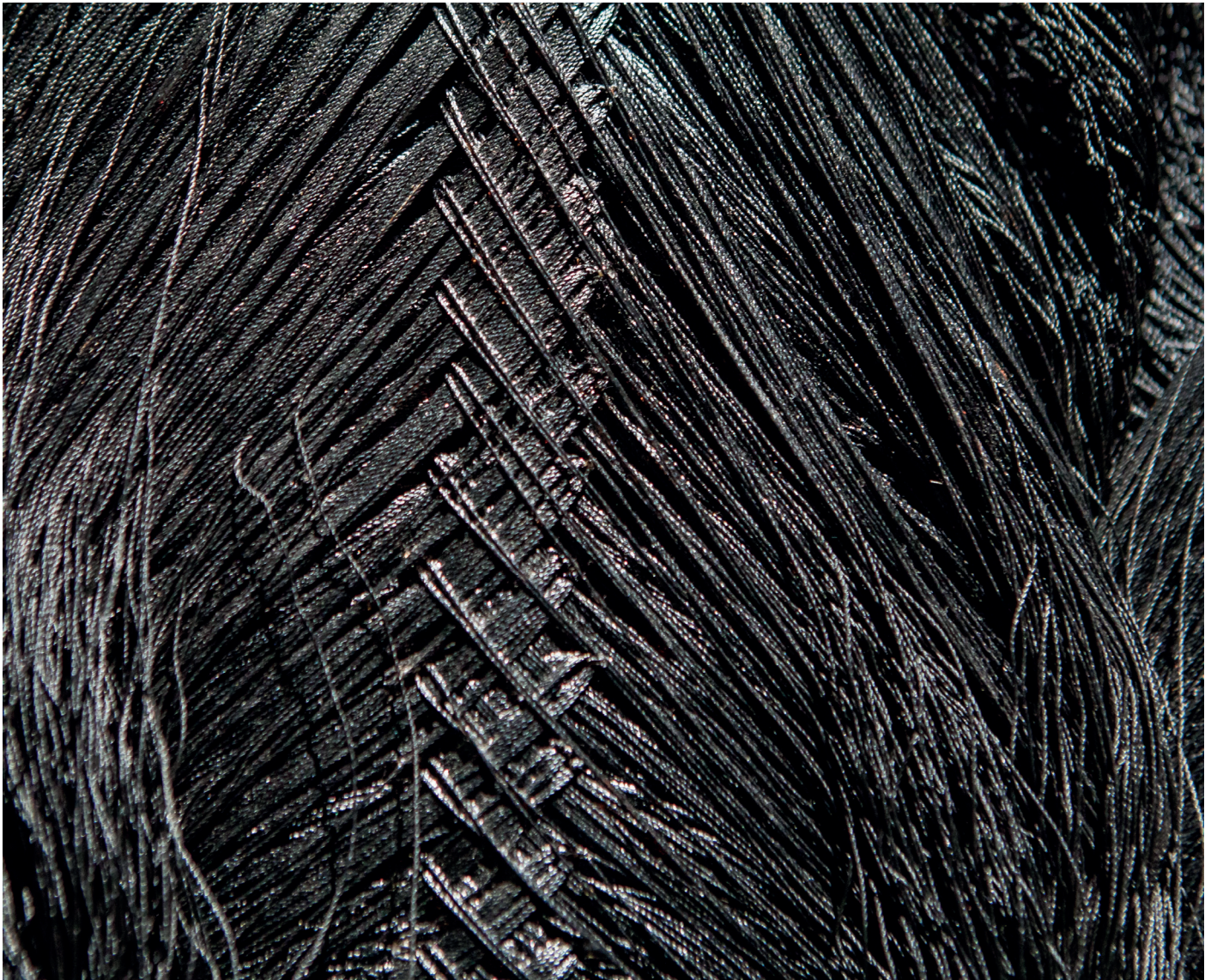
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to cite this article

Vicerial, Jeanne. 2023. "Clinique Vestimentaire: for a New Paradigm of Creation & Custom-Made Clothing Design." *.able journal*: <https://able-journal.org/clinique-vestimentaire>

MLA EN Vicerial, Jeanne. "Clinique Vestimentaire: for a New Paradigm of Creation & Custom-Made Clothing Design." *.able journal*, 2023. <https://able-journal.org/clinique-vestimentaire>

ISO 690 EN VICERIAL, Jeanne. Clinique Vestimentaire: for a New Paradigm of Creation & Custom-Made Clothing Design. *.able journal* [online]. 2023. Available from: <https://able-journal.org/clinique-vestimentaire>

APA EN Vicerial, J. (2023). Clinique Vestimentaire: for a New Paradigm of Creation & Custom-Made Clothing Design. *.able journal*. <https://able-journal.org/clinique-vestimentaire>