

PROJECT

CUTLERY

Studio of Industrial Design
AFAD in Bratislava

Berndorf Sandrik s.r.o.

New Design Ideas using

Technology of 3D Metal Printing

Student Projects - Prototypes using

Resin 3D printer
and Binder Jetting 3D Metal Printing



Aneta Mintálová

By combining the common flat surface with volume,
a feeling of lightening of the mass was created, while
maintaining a pleasant full-shape ergonomics.



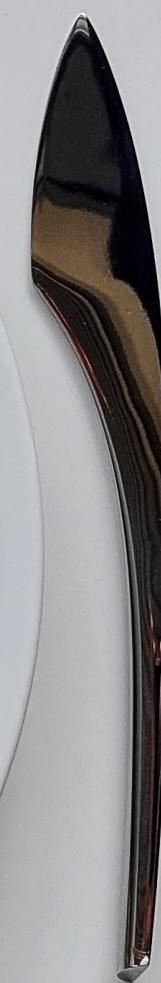




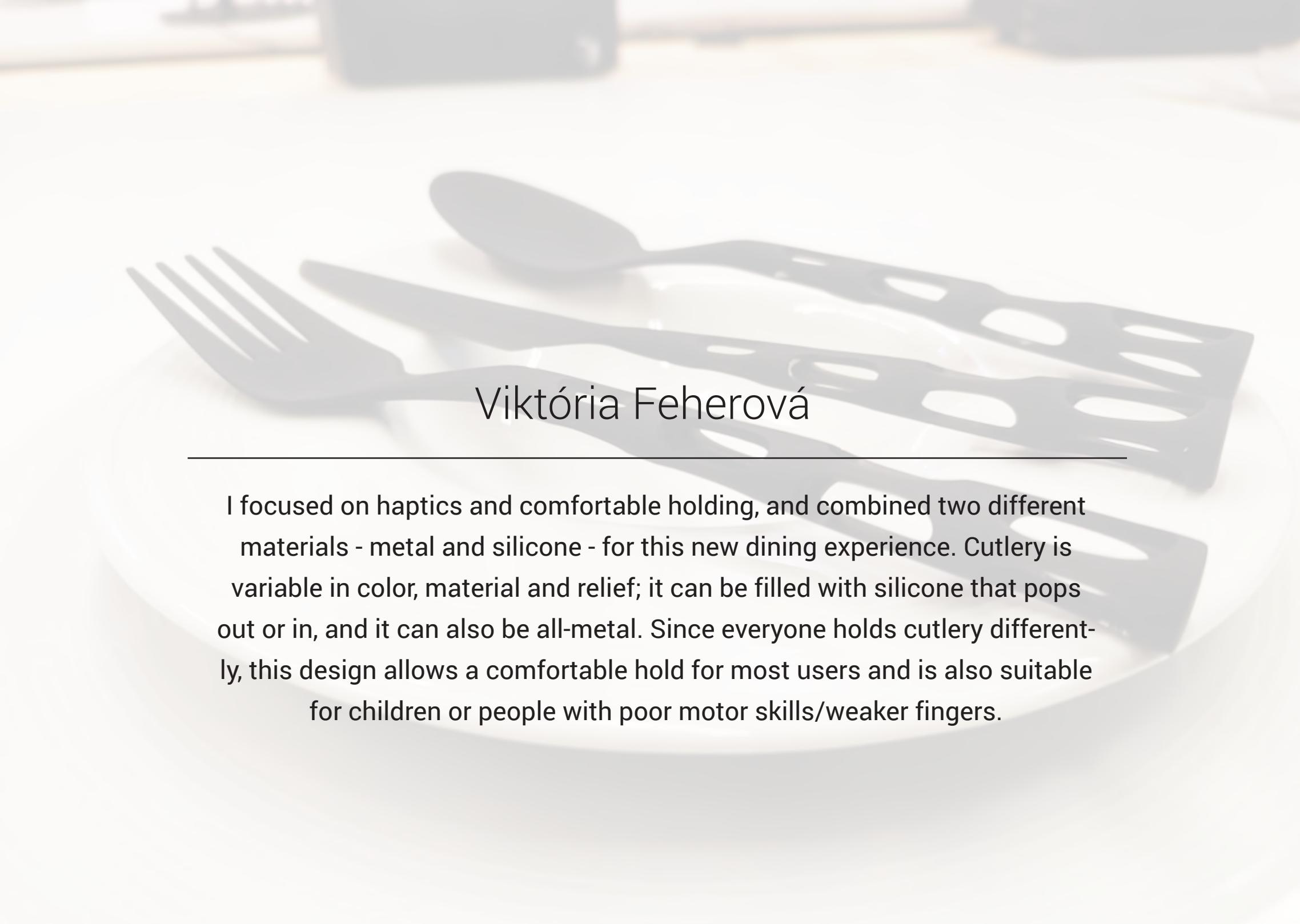
Samo Hartiník

The cutlery FLOW is a manifestation of elegance and functionality, combining elegant design with precise craftsmanship, thus elevating every dining experience. Flow Cutlery embodies the perfect combination of artistry and practicality, making it a true centerpiece of any table.









Viktória Feherová

I focused on haptics and comfortable holding, and combined two different materials - metal and silicone - for this new dining experience. Cutlery is variable in color, material and relief; it can be filled with silicone that pops out or in, and it can also be all-metal. Since everyone holds cutlery differently, this design allows a comfortable hold for most users and is also suitable for children or people with poor motor skills/weaker fingers.





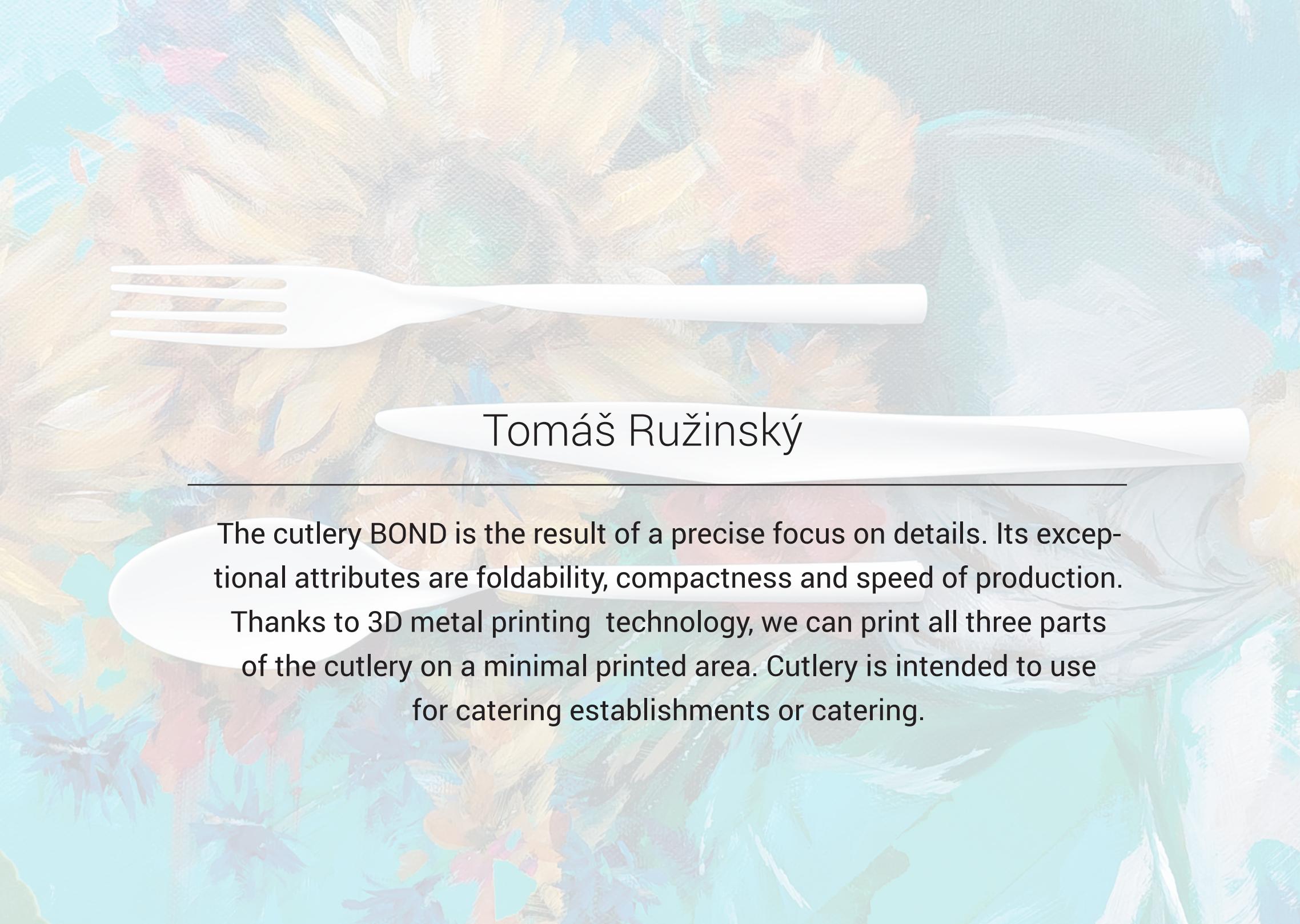
A soft-focus photograph of a hand holding a set of cutlery. The cutlery has a unique, organic, and wavy texture, likely from 3D metal printing. The lighting is soft, highlighting the curves and the metallic sheen of the blades.

Zuzana Kasanová

Introducing the TERRA cutlery set, a revolutionary design featuring 3D metal printing technology. This compact and functional set captures various surface textures, offering a unique tactile and aesthetic experience.





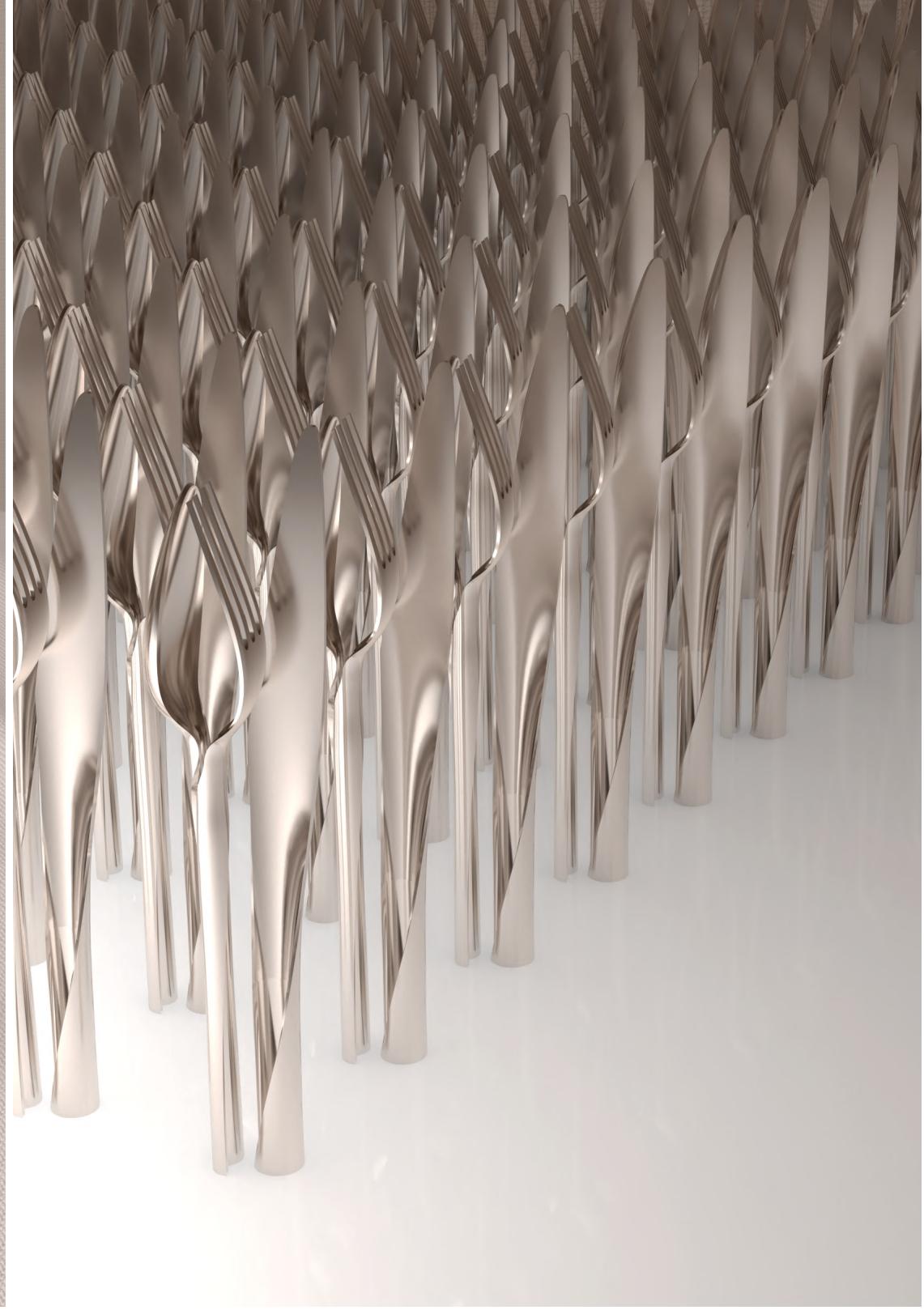


Tomáš Ružinský

The cutlery BOND is the result of a precise focus on details. Its exceptional attributes are foldability, compactness and speed of production.

Thanks to 3D metal printing technology, we can print all three parts of the cutlery on a minimal printed area. Cutlery is intended to use for catering establishments or catering.

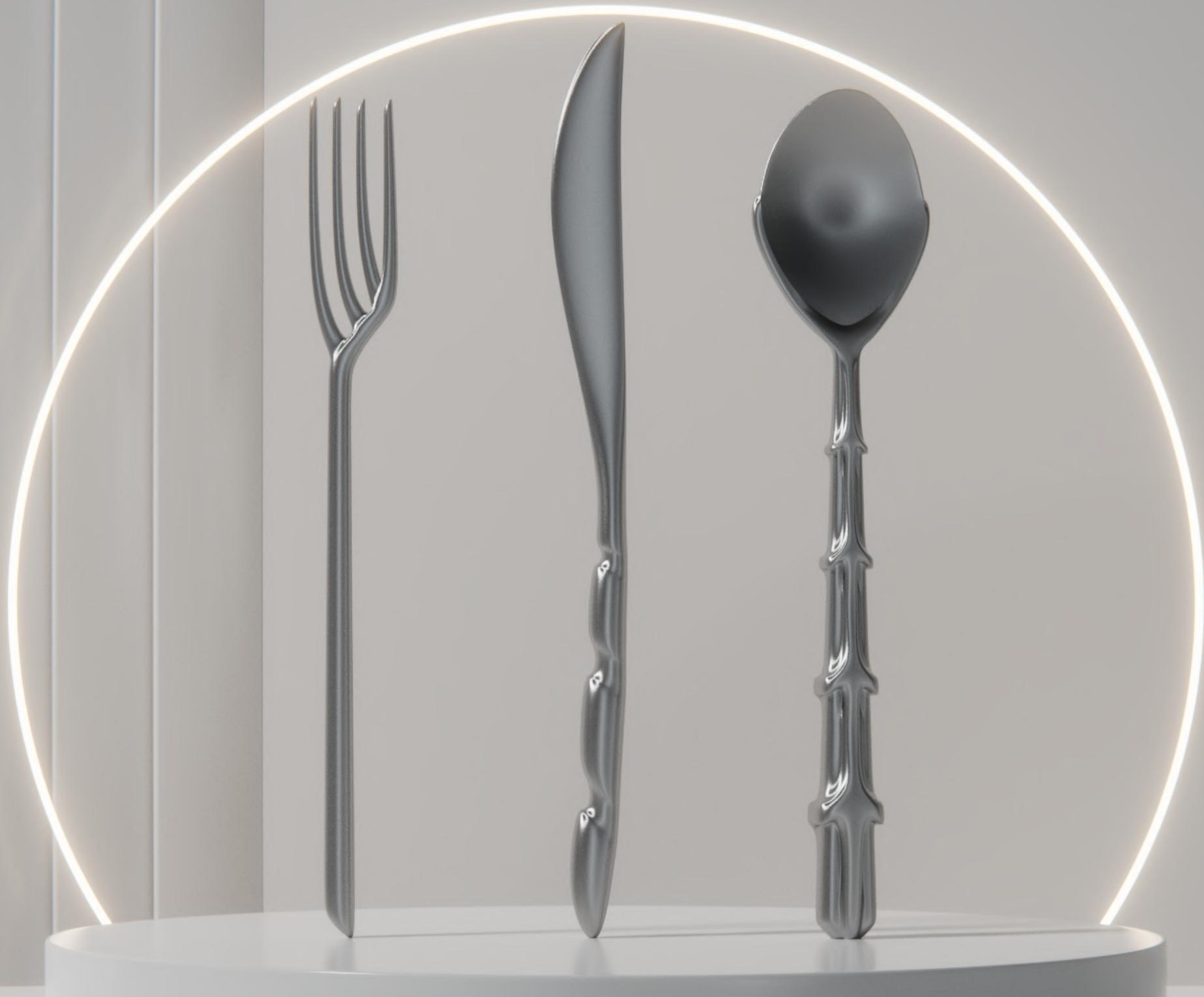


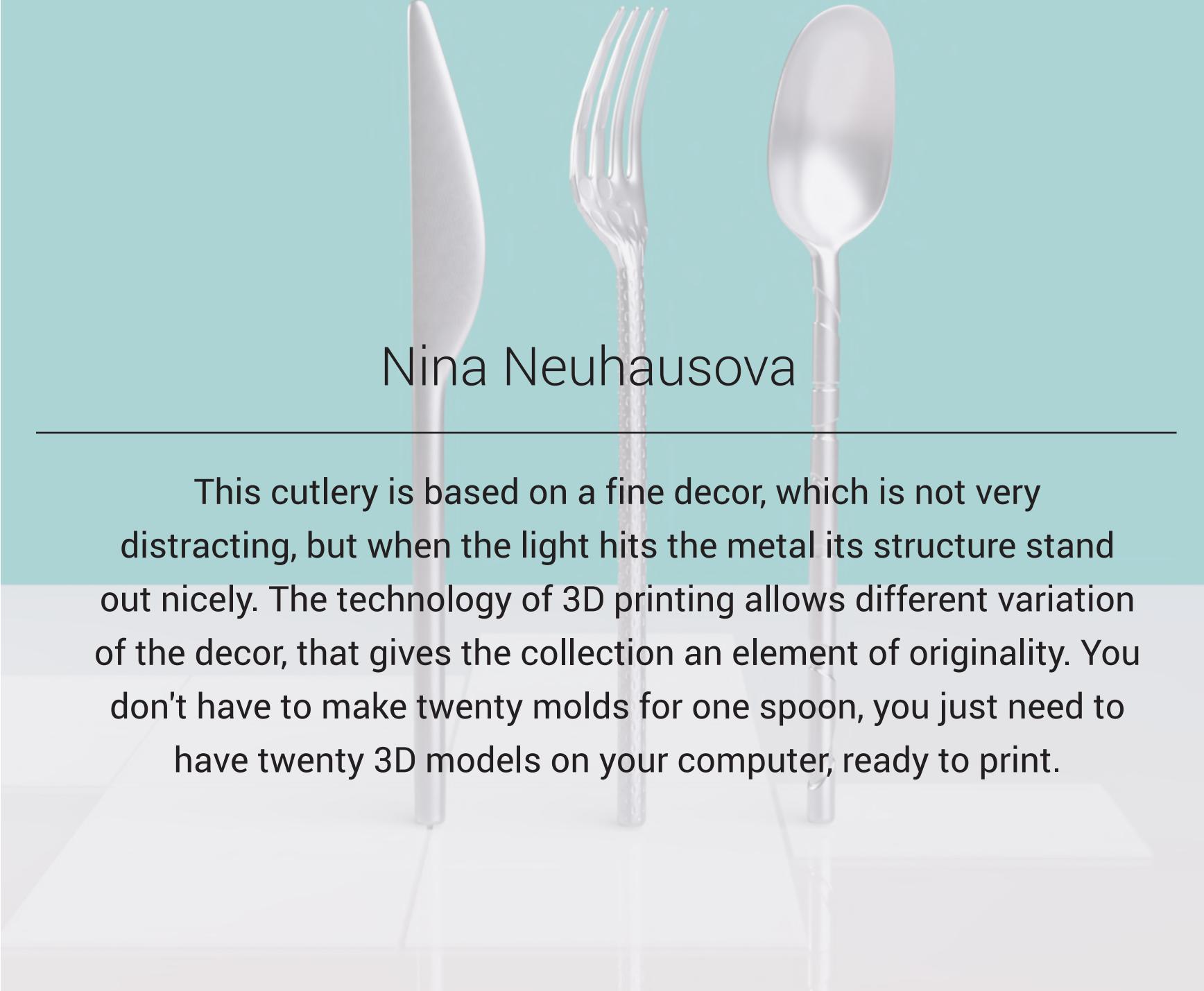




Nina Neuhausova

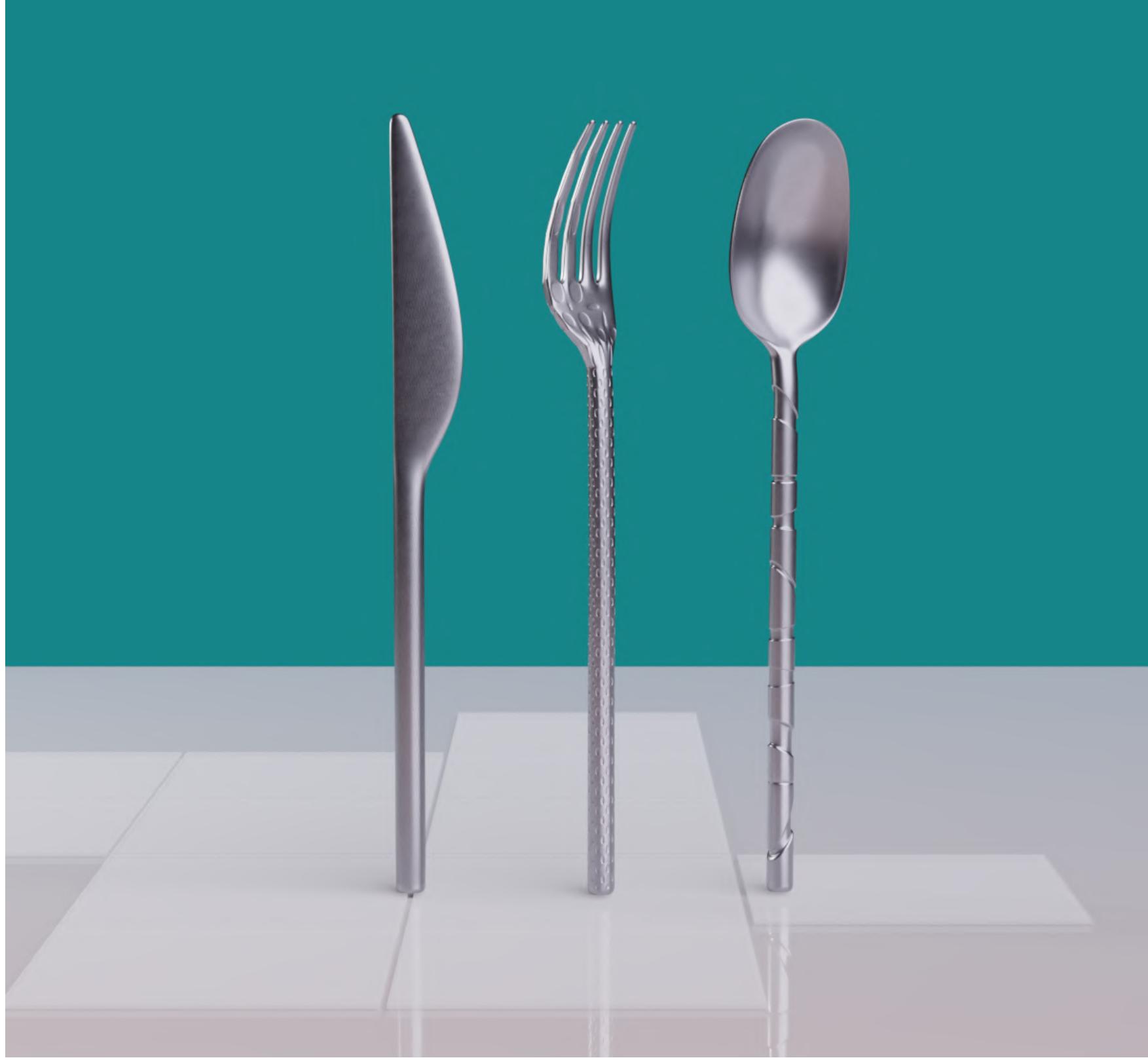
The cutlery is based on organic shapes and the independence of individual cutlery pieces, which are connected by one concept, the growth. It is rather a decorative element for the table and should be used in catering.





Nina Neuhausova

This cutlery is based on a fine decor, which is not very distracting, but when the light hits the metal its structure stand out nicely. The technology of 3D printing allows different variation of the decor, that gives the collection an element of originality. You don't have to make twenty molds for one spoon, you just need to have twenty 3D models on your computer, ready to print.





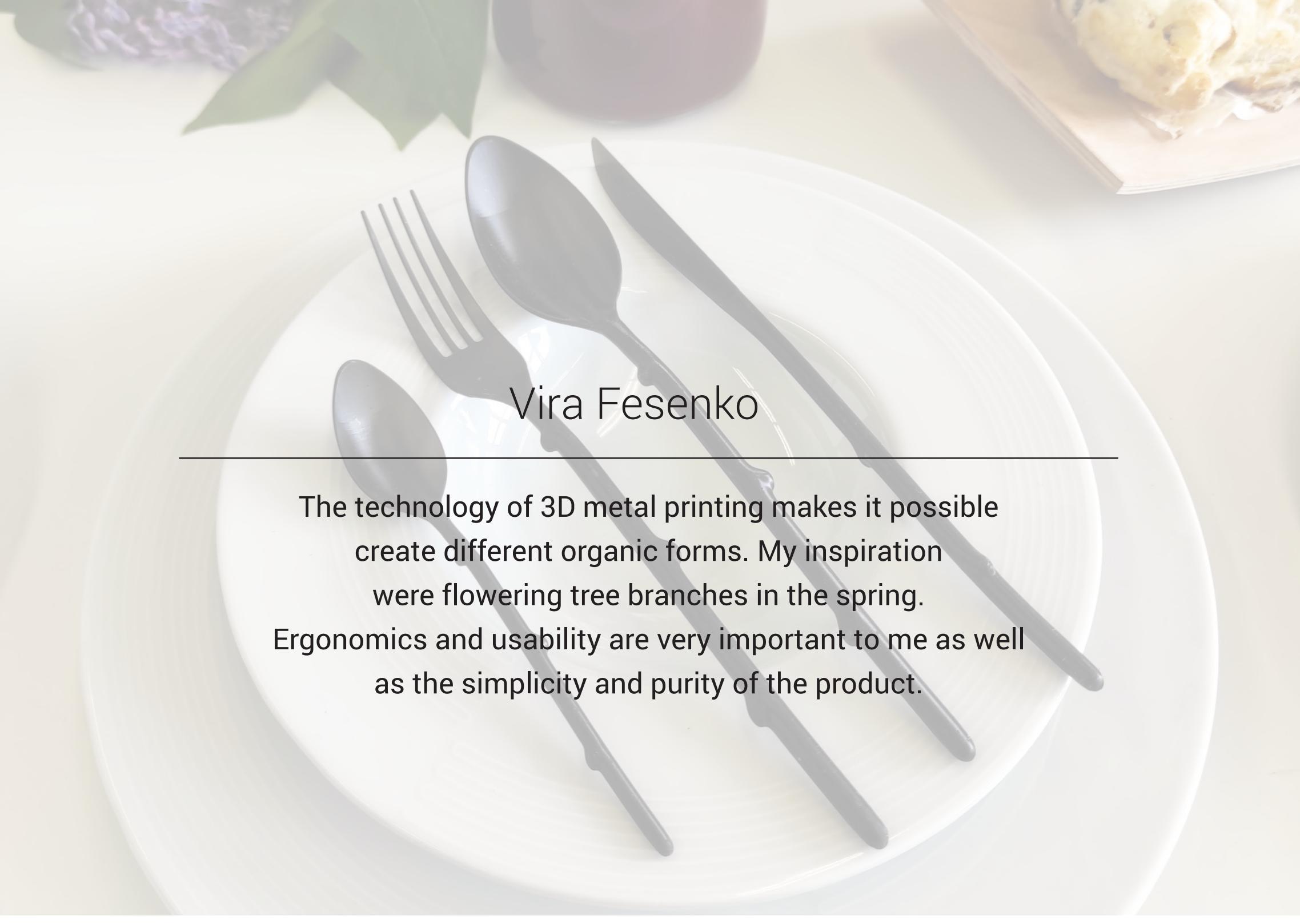
Pavol Mazúr

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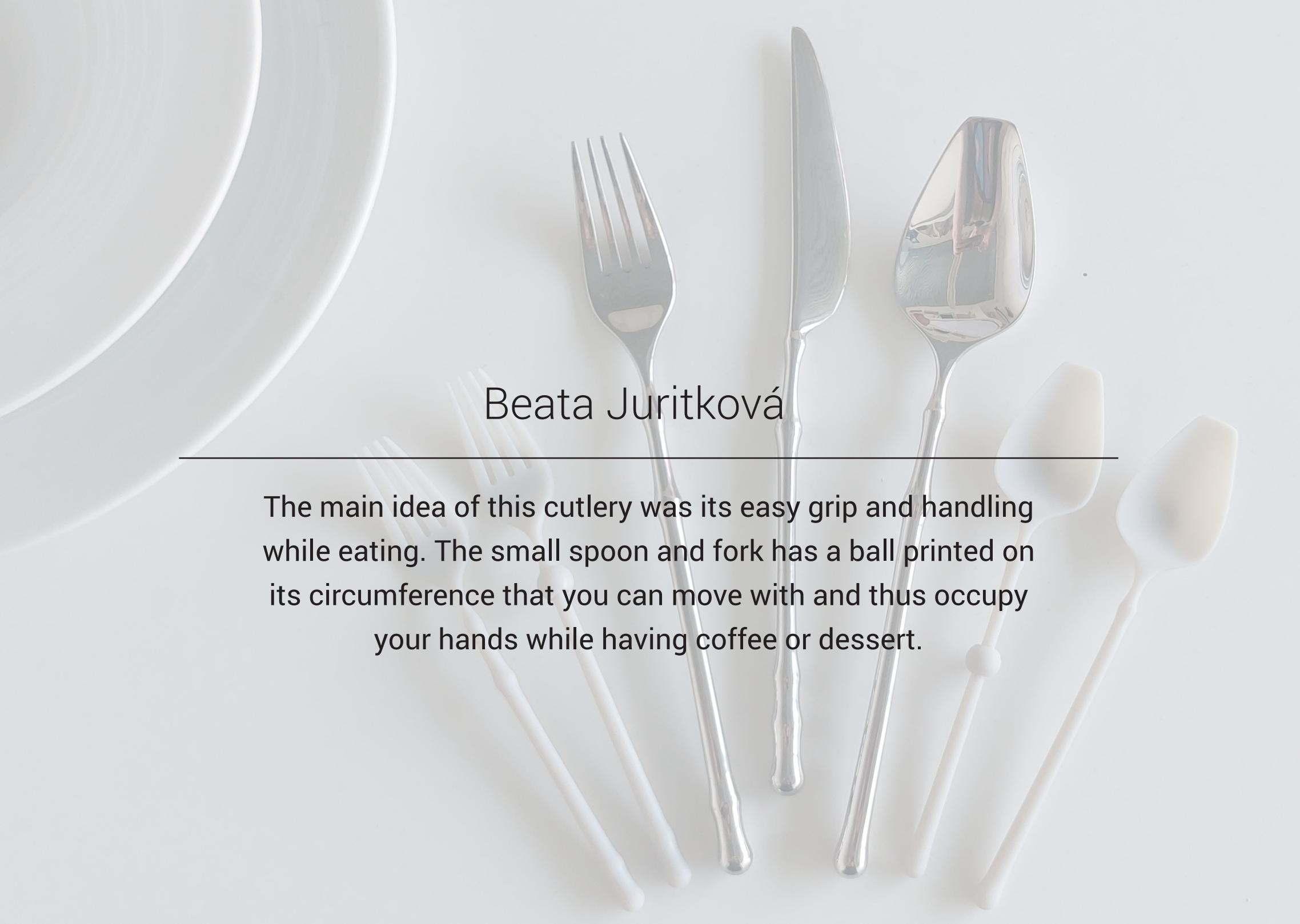
Vira Fesenko

The technology of 3D metal printing makes it possible
create different organic forms. My inspiration
were flowering tree branches in the spring.

Ergonomics and usability are very important to me as well
as the simplicity and purity of the product.





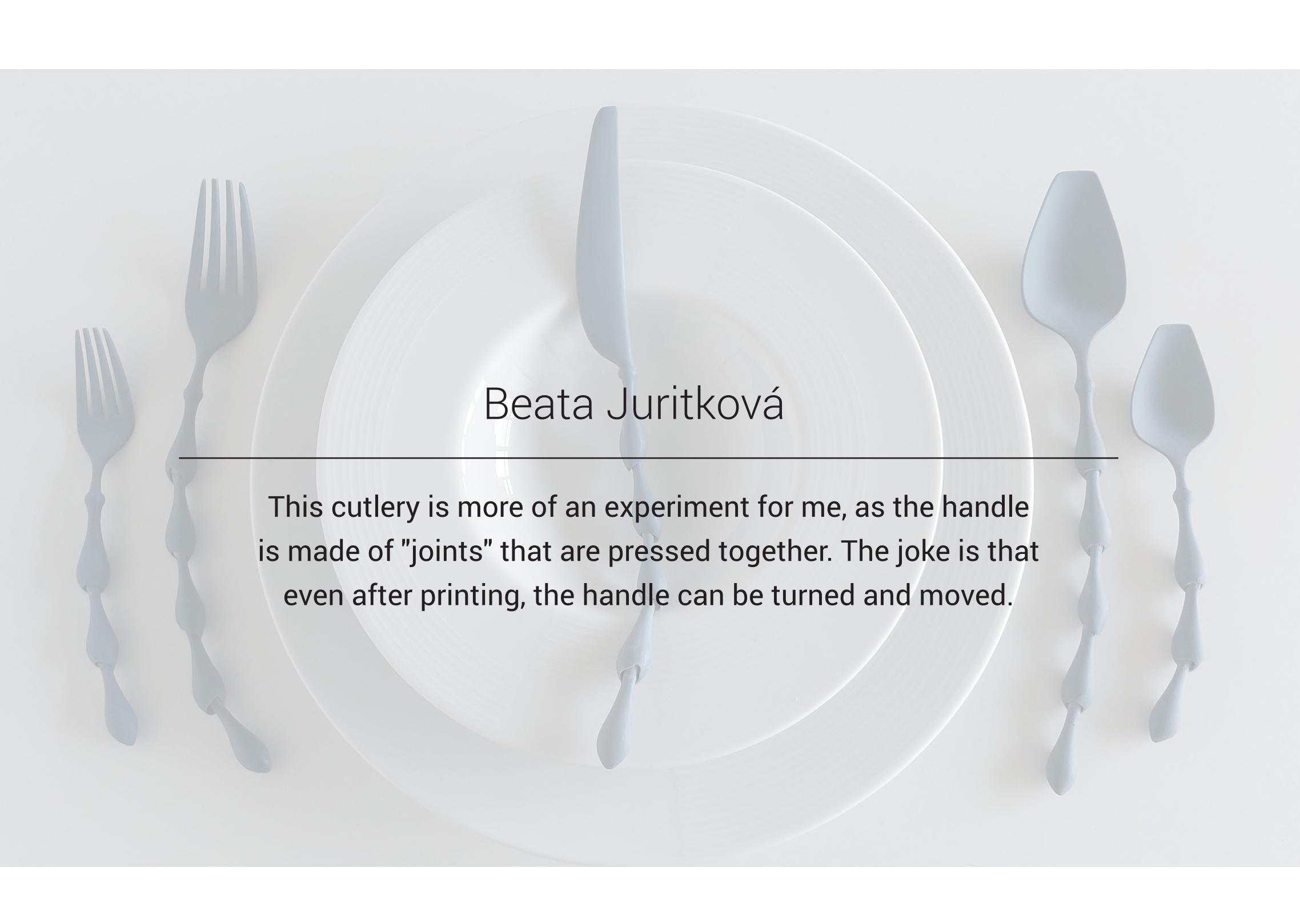


Beata Juritková

The main idea of this cutlery was its easy grip and handling while eating. The small spoon and fork has a ball printed on its circumference that you can move with and thus occupy your hands while having coffee or dessert.

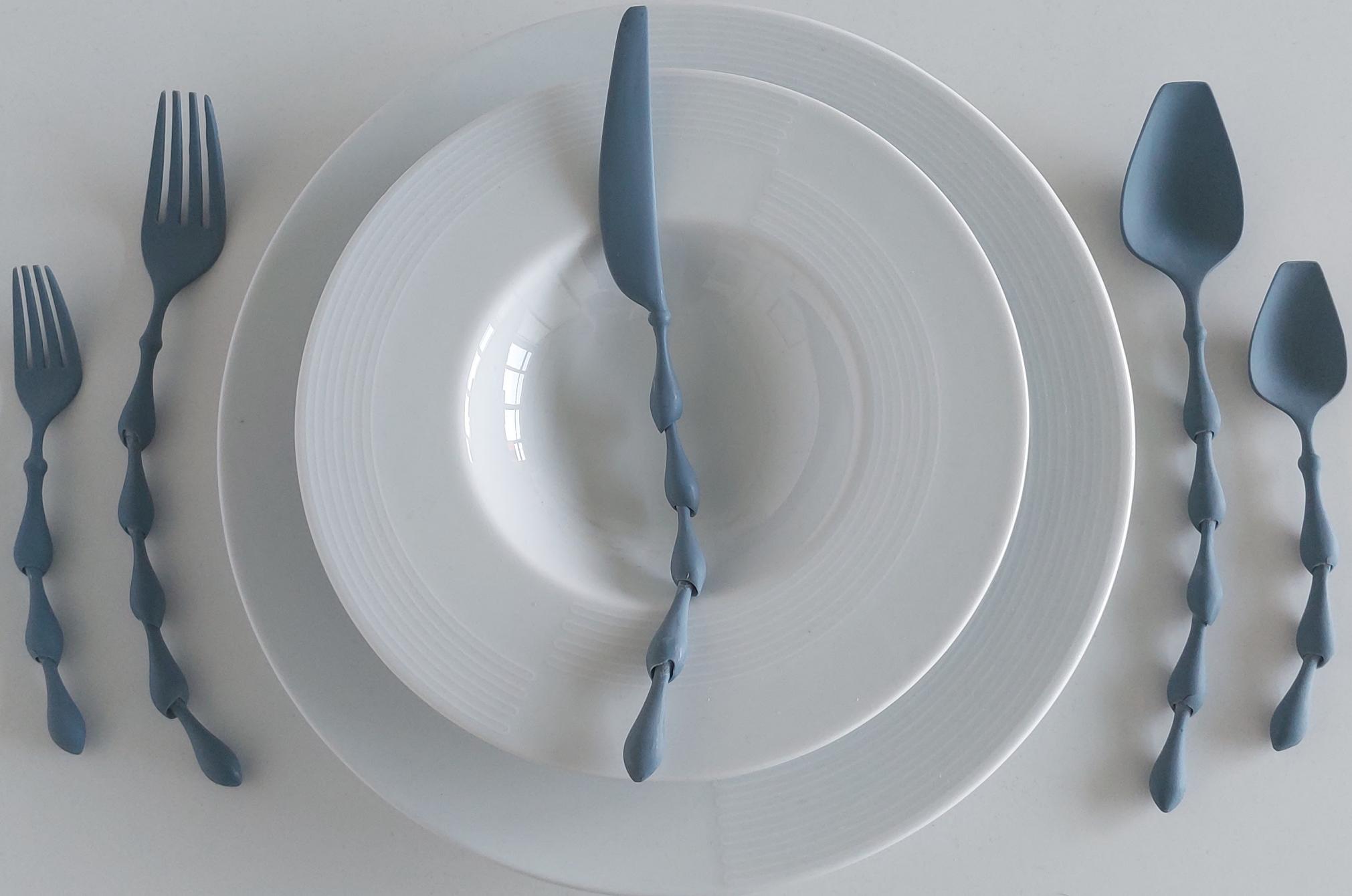






Beata Juritková

This cutlery is more of an experiment for me, as the handle is made of "joints" that are pressed together. The joke is that even after printing, the handle can be turned and moved.





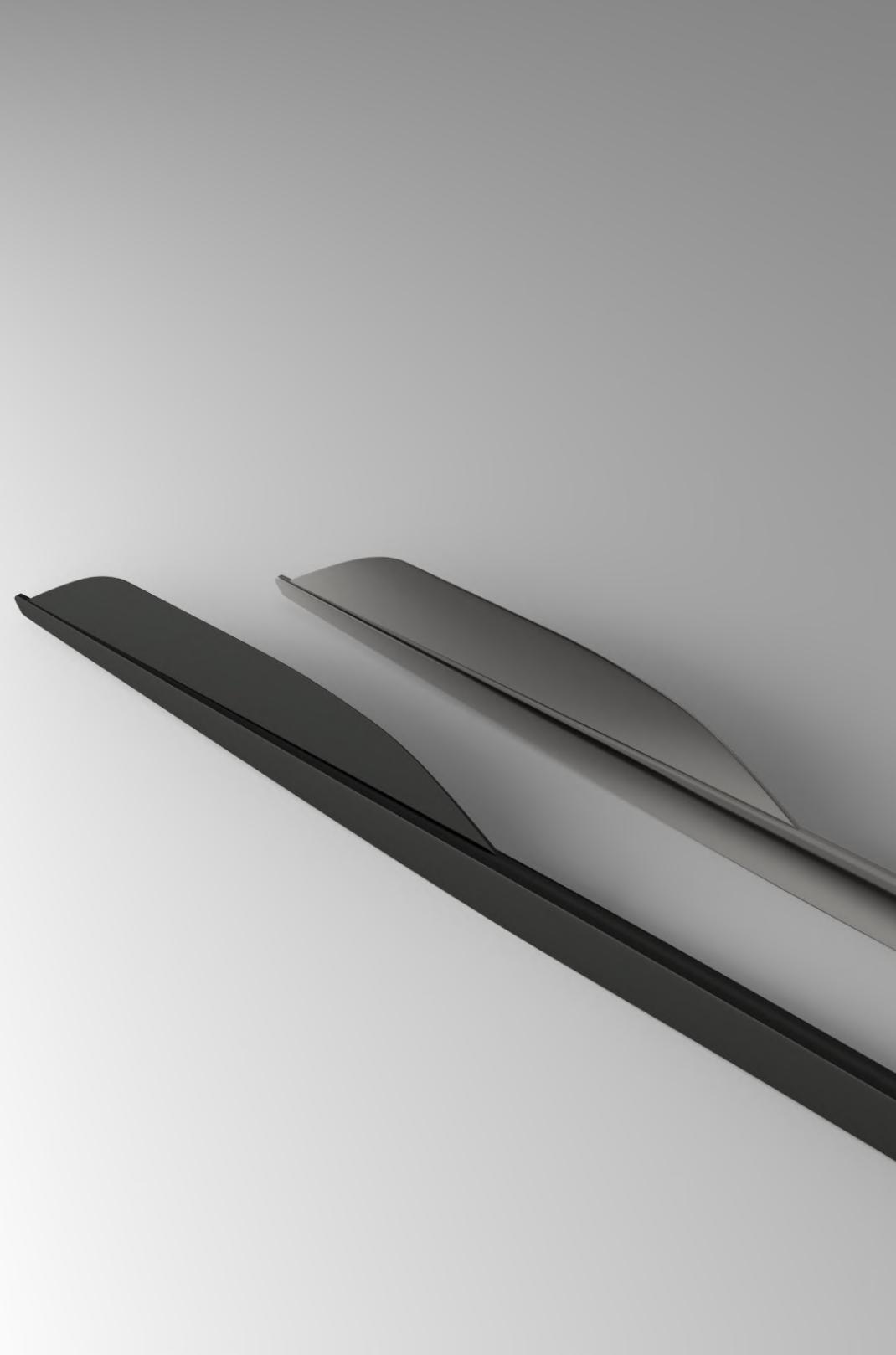
Sofia Rondošová

My main idea is ergonomics and simplicity
so that the cutlery can be used both at home and in restaurants.

Despite the simplicity, the cutlery looks elegant and
modern. In the cross-section is the handle shaped into triangular with
rounded edges.







PROJECT

CUTLERY

Coordination of the project

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Doc.Ferdinand Chrenka akad.soch.

Mgr.art.Eva Veselá,ArtD.

Special thanks

Rado Behul, Printy.me

Upcoming events

Slovak National Award for Design 2023

Design Week Bratislava December 2023

Xth year of the international design show
Mánes Gallery Prag
7.–10. September 2023

CZECH GRAND DESIGN AWARDS 2023

Thank you

for your attention