

# PROJECT --- CUTLERY

# Studio of Industrial Design AFAD in Bratislava

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*Berndorf Sandrik s.r.o.*

New Design Ideas

*using*

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*Technology of 3D Metal Printing*

## Student Projects - Prototypes

*using*

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*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

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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

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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 hand is holding a white, textured cutlery set (fork and spoon) against a light background. The cutlery has a unique, layered, and textured appearance, resembling 3D printed metal. The hand is positioned in the upper right, holding the handles of the cutlery. The background is a soft, out-of-focus light gray.

## Zuzana Kasanová

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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

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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.









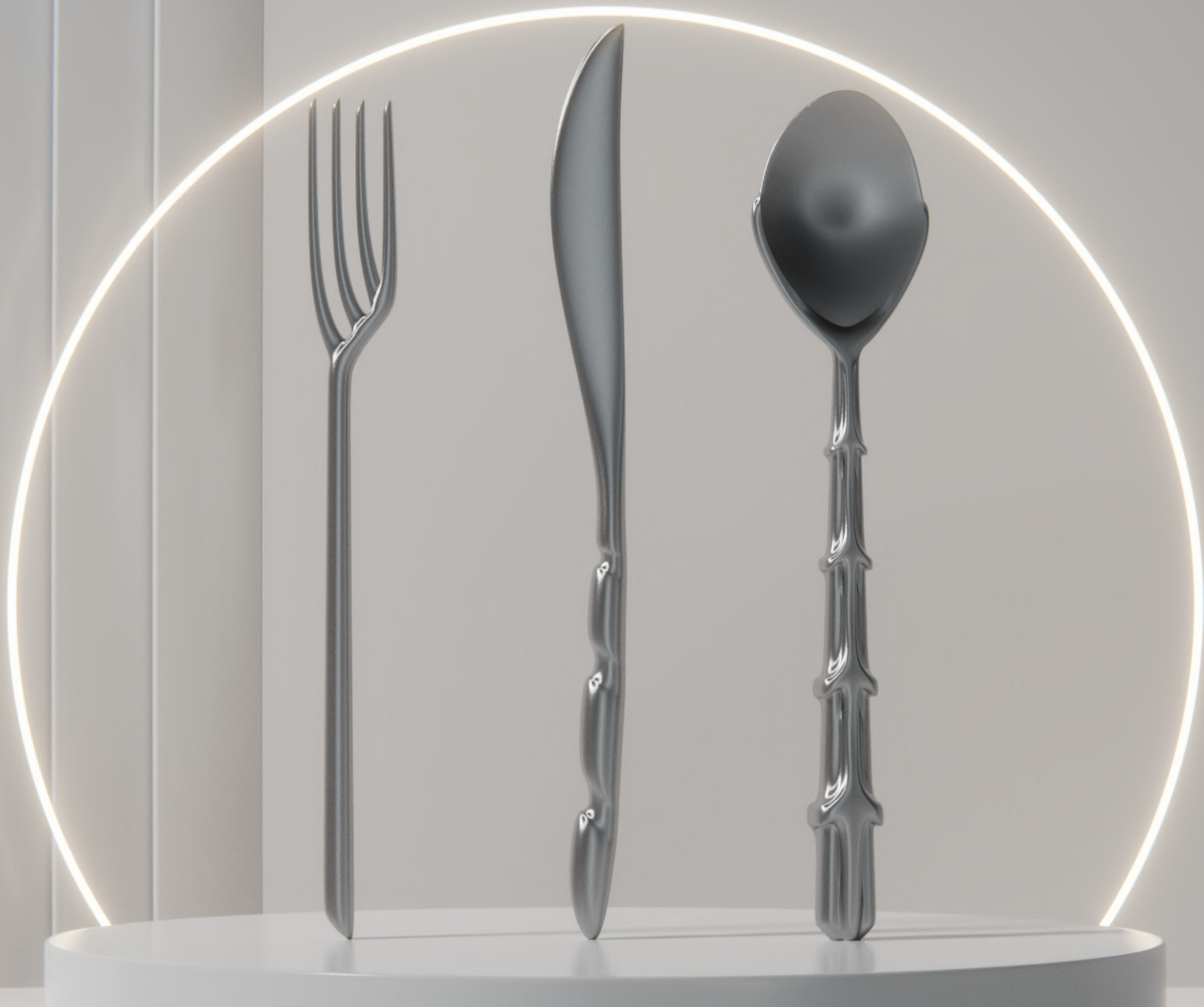


A silver spoon, knife, and fork are arranged vertically on a white background. The spoon is on the left, the knife is in the center, and the fork is on the right. The handles of the cutlery are decorated with organic, branching patterns. The text "Nina Neuhausova" is centered over the middle of the image.

## Nina Neuhausova

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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.

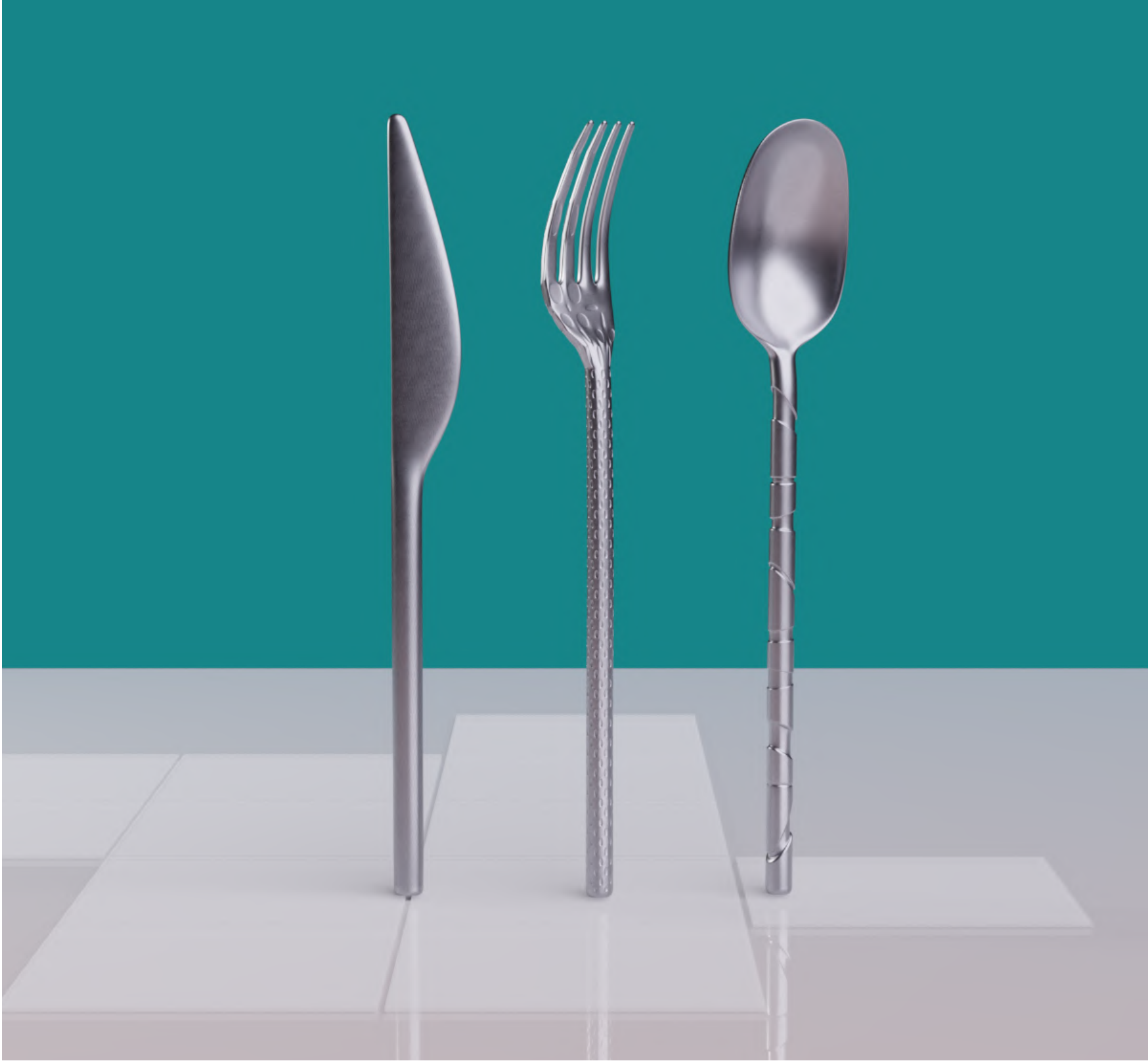


A 3D printed knife, fork, and spoon are standing upright on a white surface. The knife is on the left, the fork is in the center, and the spoon is on the right. They are all made of a light-colored material, possibly 3D printed metal or plastic, and have a textured, slightly irregular surface. The background is a solid teal color.

## Nina Neuhausova

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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

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The technology of 3D metal printing makes it possible to create different organic forms. My inspiration was 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

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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.











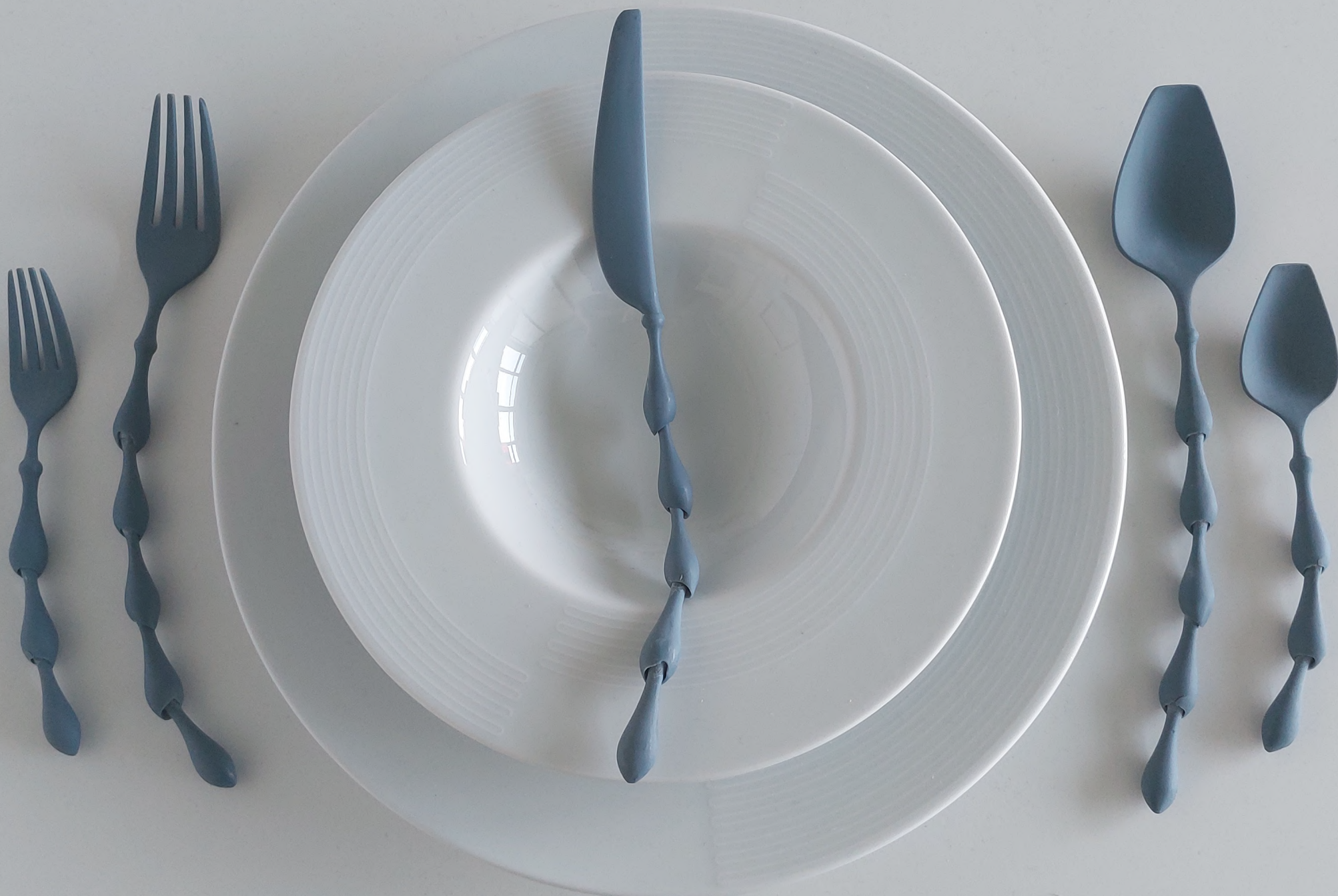


## Beata Juritková

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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.













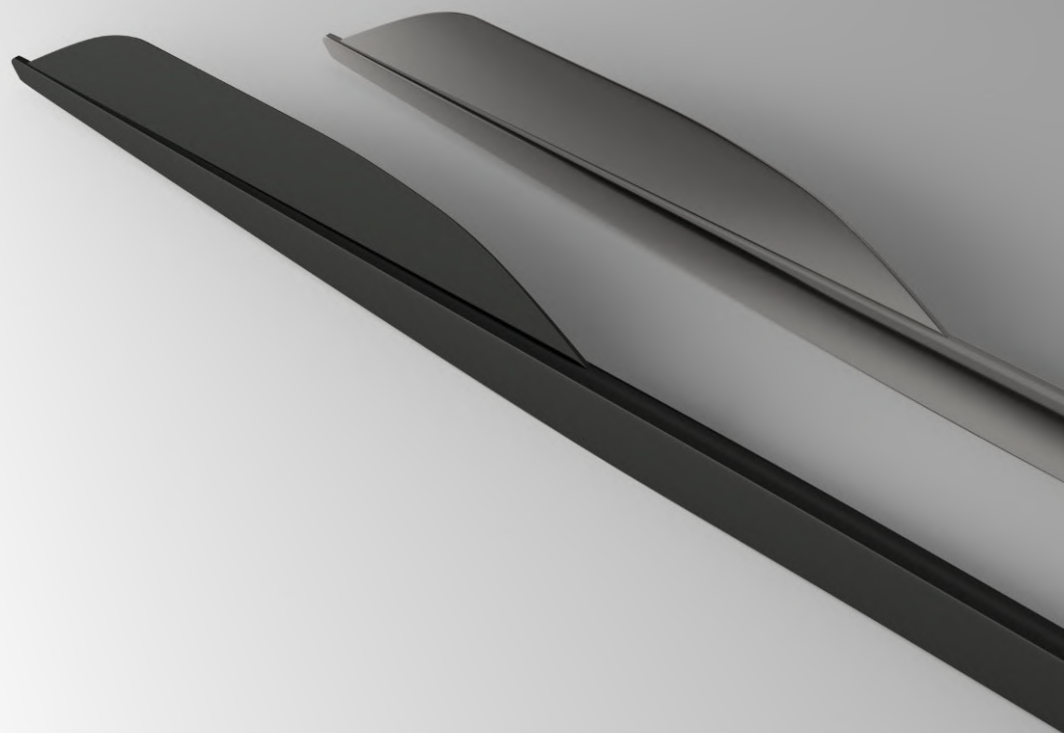
## Sofia Rondošová

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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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Ing.Štefan Janček BERNDORF SANDRIK

Doc.Ferdinand Chrenka akad.soch.

Mgr.art.Eva Veselá,ArtD.

Special thanks

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Rado Behul, Printy.me

## Upcoming events

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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

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*for your attention*