

Seatings



zieta.pl

Our main goal is to deliver uniqueness and customization in design and constructions. This is how we imagine the future world: light, durable structures of customized applications produced on demand out of one-of-a-kind parts, yet efficiently. **FiDU** technology can be applied to produce durable, ultra-light constructions of great weight capacity – for product design and architectural elements. It allows us to create innovative, customised, bionic shapes and to produce them in small series, using very efficient production processes. As process designers we do not only aspire to design fabulous forms but we also strive to make them innovative.







FiDU is an innovative method of changing bits to atoms. Today's world is overflowing with unnecessary and intrusive data. We put emphasis in its production processes not just on using less material, but also less data. Zieta Prozessdesign uses precise robots and organised tools to create an effective and sustainable production process. Thanks to the programmed process and excellent understanding of the material, sheet-metal, the designer can pass on some of their competencies.

Thus the material 'decides' about its final form which is achieved when deforming from 2.5D (two welded flat metal shapes) into 3D using internal pressure. Production files required to define the 2.5D form are just a few kilobytes when allowing for a 'controlled loss of control'. Trying to define the same final form for traditional production methods would require several gigabytes of data!





## Plopp family

Plopp stool is an icon and a bestseller of Zieta Prozessdesign. The unique, toy-looking and playful shape of Plopp is an effect of an innovative forming method – FIDU. FIDU technology means that two ultra-thin steel sheets are welded together around their edges and inflated under high pressure to give a 3d object. FIDU enables mass production of individualized shapes. Forms made in FIDU are very light but also very durable. Since its market release, Plopp stool has been shown on many exhibitions around the world and has won many prestigious awards – including Red Dot Design Award 2008, German Design Council Award 2008 and Forum AID Award 2009.





# Chippensteel 0.5

A development of the limited edition Chippensteel chair – available in new colours. It still offers a unique material experience but the shape of the chair has been slightly redesigned to allow a mass-production. The chair has been uniquely processed and produced in FiDU technology using bending properties of steel sheets.





# Unterdruck

The FiDU bench is an outcome of the research on further possibilities of the FiDU technology utilization. FiDU bench is a half public/half private design object that uses FiDU and can be easily applied to mass production as a bench or a bench construction. Thanks to the unique construction, the elements of the bench can be produced and shaped cheaper than standard steel elements in smaller, individualized series. They have great durability and they can be easily reshaped according to the needs of the client. The seat of the bench can also be easily customized.



# J chair

J-Chair was created at the special request for Museum Jerke located in Recklinghausen Win Germany. It's the only museum of Polish contemporary art outside of Polish borders. The inspiration for the creation of the J-Chair was architectural form of Museum. The impression that the structure of the building is “cutted” and divided into parts inspired us to imitate its design process during the J-Chair creation.

There are two analogies in the process of creating J-Chair. One of them is inspiration of the composition in Strzemiński's work “Władysław Strzemiński, Flat Construction – breakage of a black rectangle, 1923”. The second one is the process of creating an architectural form of Museum Jerke in Recklinghausen. Both give the impression that the composition of the image as well as the design of the building have a visible divisions and cuttings. Similarly, the design of J-Chair made in FiDU technology arose from cuts, the whole creates a coherent object with a strong visual character. J-Chair is another FiDU manifesto with a strong and iconic visual character with a light and durable construction.



# Few elements, many solutions

## Plopp family



**Plopp Mini**  
H: 38 cm / 15"  
Ø: 25 cm / 9.8"



**Plopp Standard**  
H: 50 cm / 19.7"  
Ø: 35 cm / 13.8"



**Plopp Kitchen**  
H: 65 cm / 25.6"  
Ø: 35 cm / 13.8"



**Plopp Bar**  
H: 75 cm / 29.5"  
Ø: 35 cm / 13.8"

## Colours



## Limited editions



**Material:**  
steel, inox,  
copper,  
aluminium

## Underdruck SLIM bench



H: 78 cm / 30.7"  
W: 80 cm / 47.2"-63"  
D: 53 cm / 20.9"



H: 78 cm / 30.7"  
W: 120 cm / 47.2"-63"  
D: 53 cm / 20.9"

## Colours



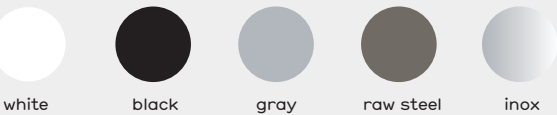
**Material:**  
steel, inox  
steel

## Chippensteel 0.5



H: 80 cm / 31.5"  
W: 46 cm / 18.1"  
D: 58 cm / 22.8"

## Colours



## Limited editions



**Material:**  
steel, inox,  
aluminium

## J-chair




H: 79,5 cm /31,3"  
W: 70,0 cm / 27,6"  
D: 52,0 cm / 20,0"

## Colours



**Material:**  
aluminium,  
black steel,  
stainless steel





Zieta Prozessdesign develops design in new technologies. Unique products are created as a result of experimenting with innovative forming methods. Zieta Prozessdesign combines 3 forces – research, design and production to bring complex design solutions and to eliminate any imperfections or inefficiencies at any stage of bringing concepts to life. At Zieta Prozessdesign new ideas search their intelligent forms – bionic, easily customized, uniquely processed, more efficient – that go beyond today's understanding of form and construction and contribute to the shapes of the future. FiDU – the technology of the future Individualized shapes: FiDU stands for Freie Innen Druck Umformung – the Internal Pressure Forming – which implies inflating two steel sheets welded around their edges into a 3d object. It takes only two thin steel sheets to create a complicated and very durable 3d object from steel in FiDU. FiDU allows to create innovative, customized, individualized bionic shapes and fully recyclable objects using very efficient mass production processes and individualized shaping methods. It is the most flexible tool-less metal forming way ever.

Designed and manufactured in the EU.  
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