

BUSINESS PAPER
CONTINUED TRANSFORMATION

FORMENKATALOG V



TEXTIL · KUNST · DESIGN

irena egelkraut



creative explosion

TEXTIL·KUNST·DESIGN

BUSINESS PAPER · CONTINUED TRANSFORMATION

v u l k a n e

f o r m e n k a t a l o g v

Universität für künstlerische und industrielle Gestaltung Linz
Studiengang Textil. Kunst. Design.
Masterarbeit

vorgelegt bei
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A.Univ.-Prof. Mag.art. Priska Riedl
Univ.-Ass. Mag.art. Christiane Reiter-Zaman
Sen.Lect. MA Marlene Penz

vorgelegt von
Irena Egelkraut

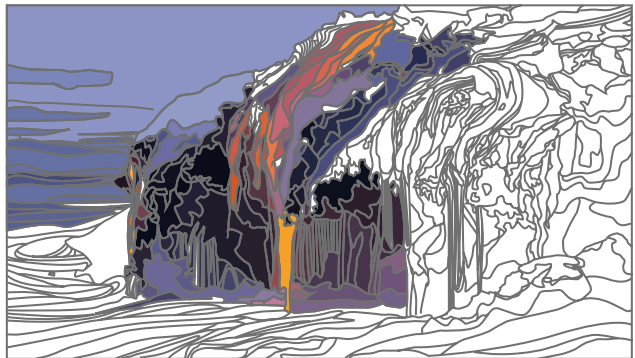
Linz, den 22.06.2022

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VEKTORZEICHNUNGEN THEORIETEIL

ENTWICKLUNG VEKTORGRAFIK

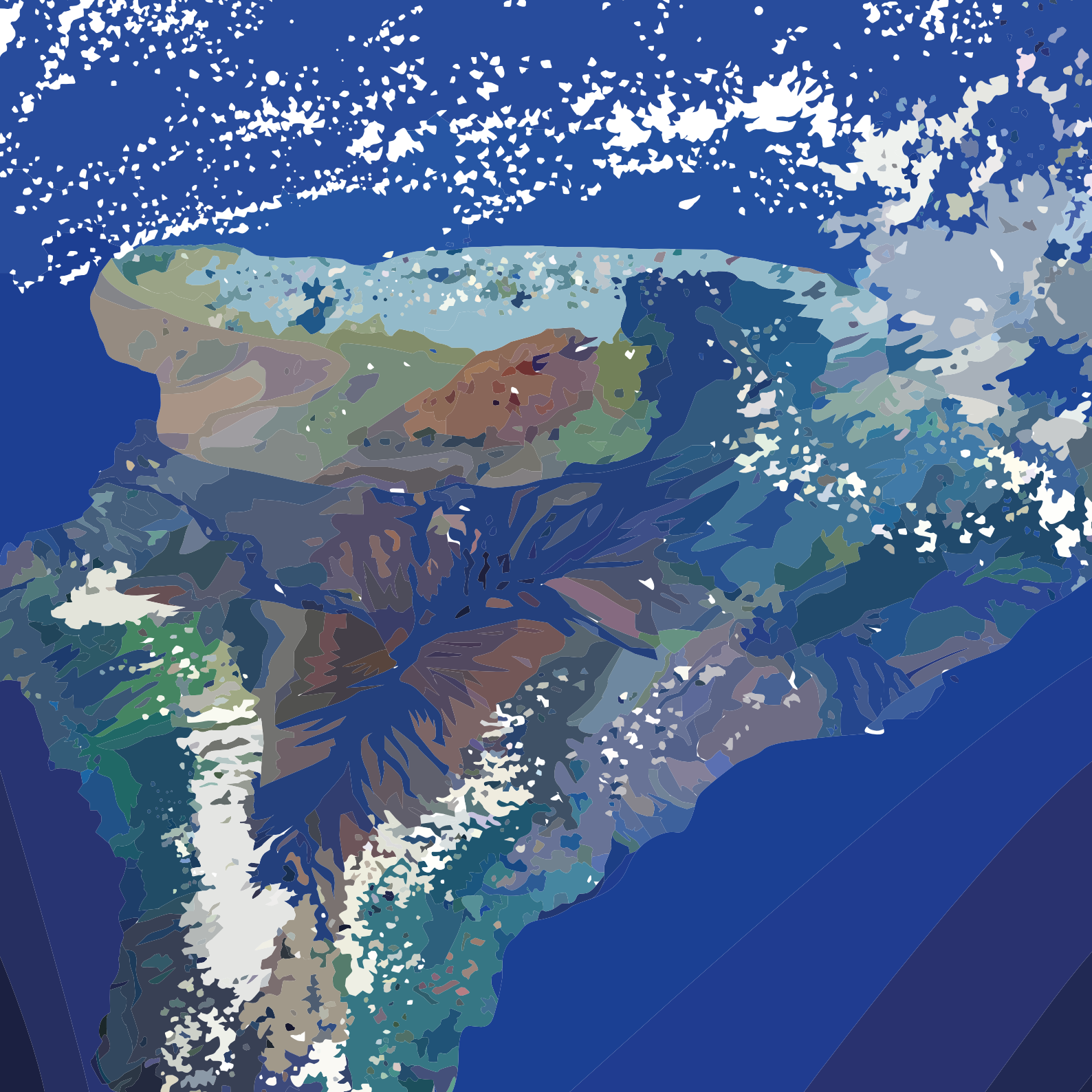




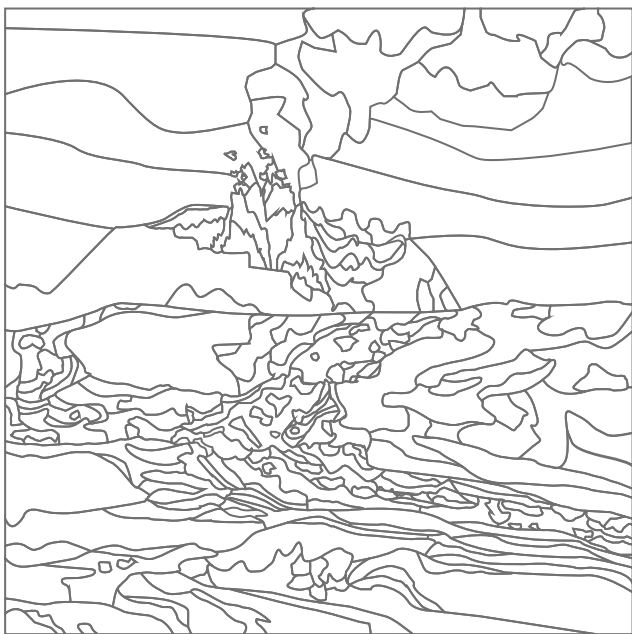
VEKTORGRAFIKEN ÜBERBLICK

Mauna Loa



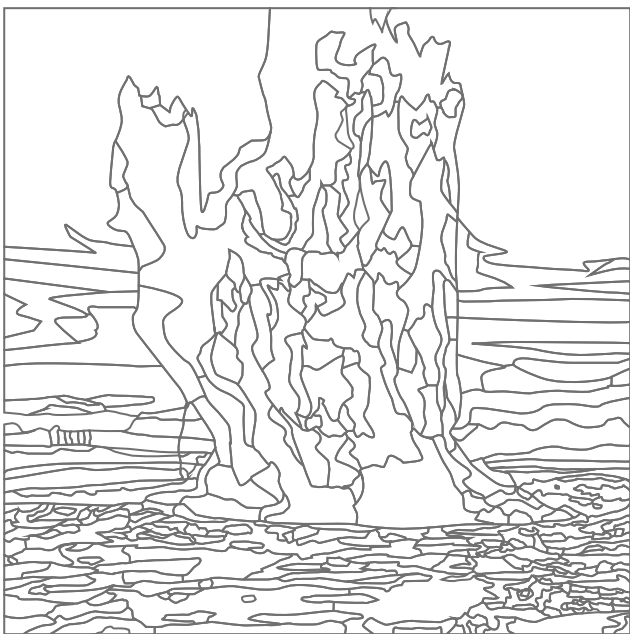


Eyjafjallajökull



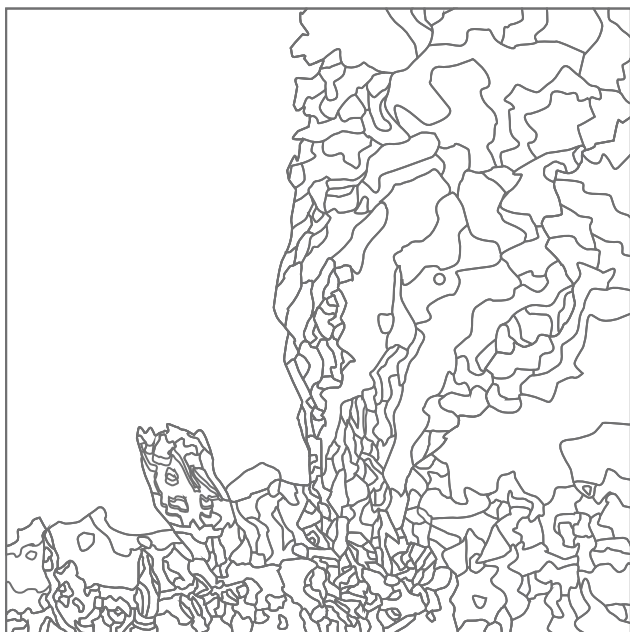


Geysir



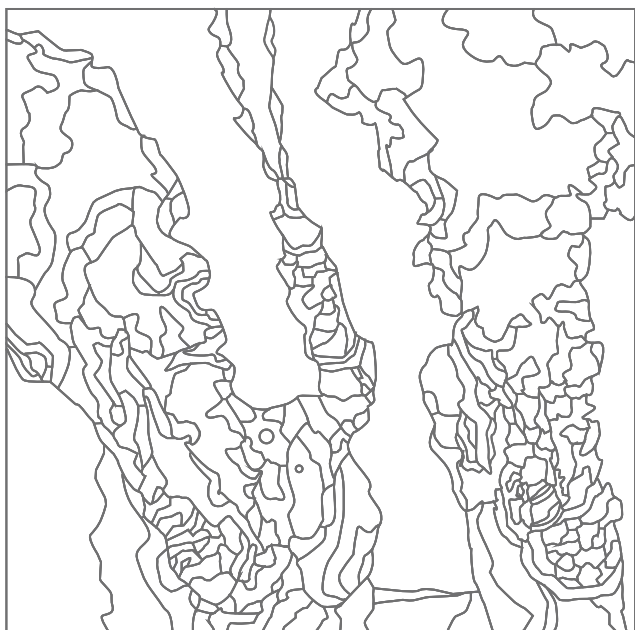


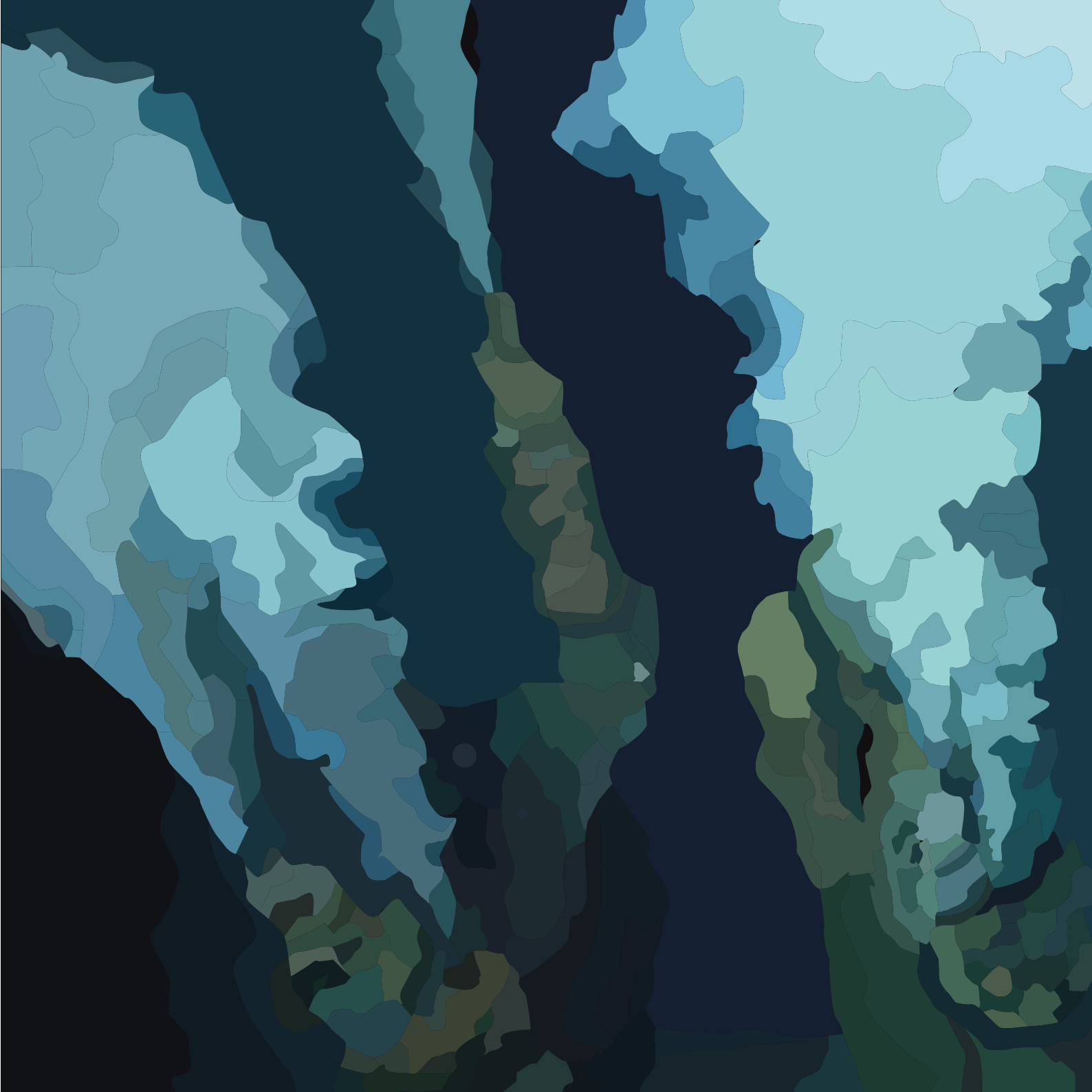
Black Smoker



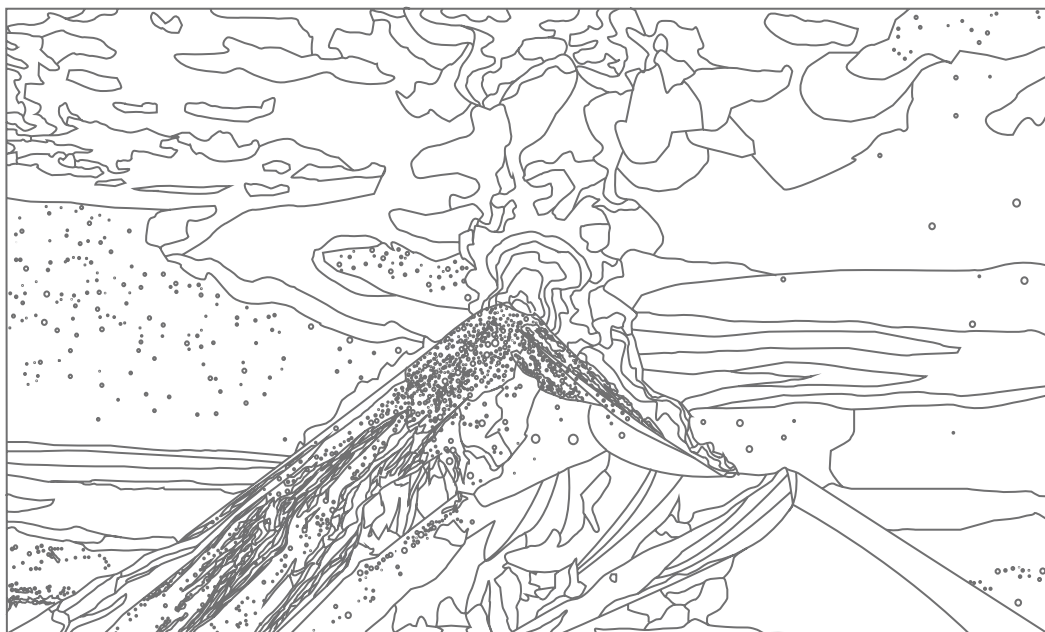


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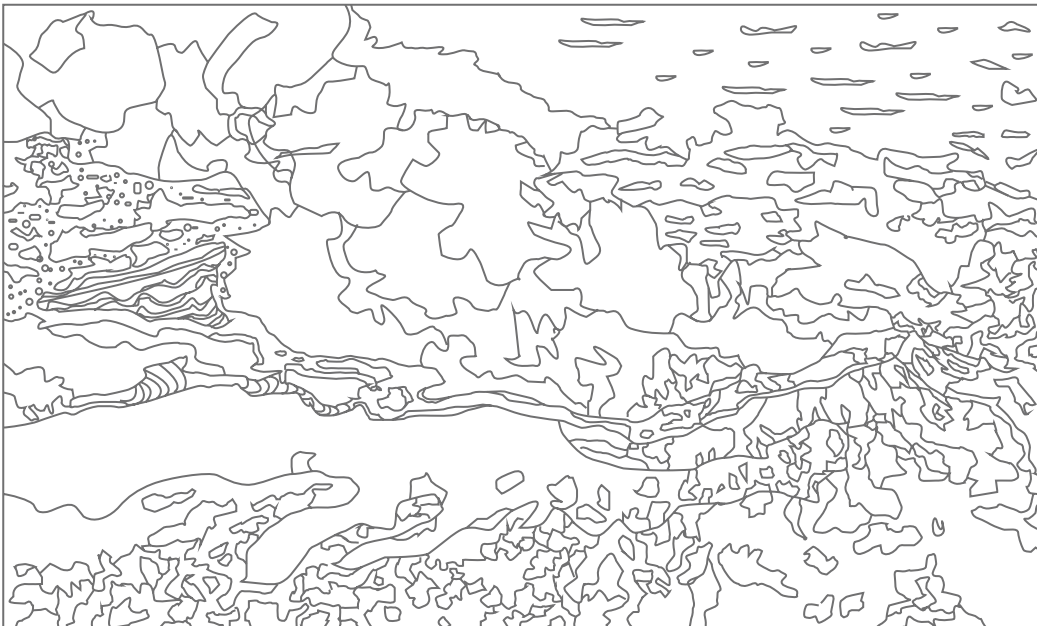


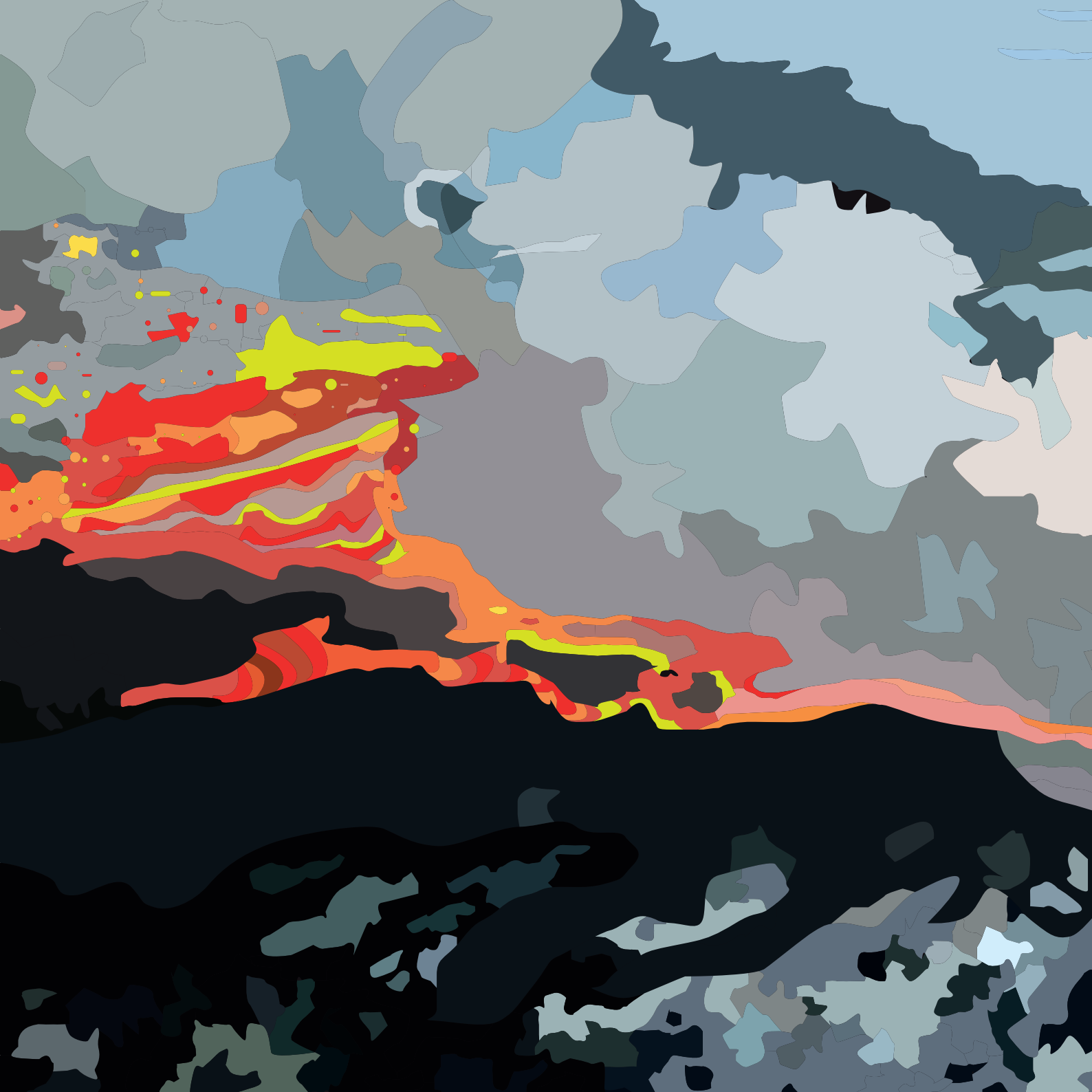
Zentralvulkan



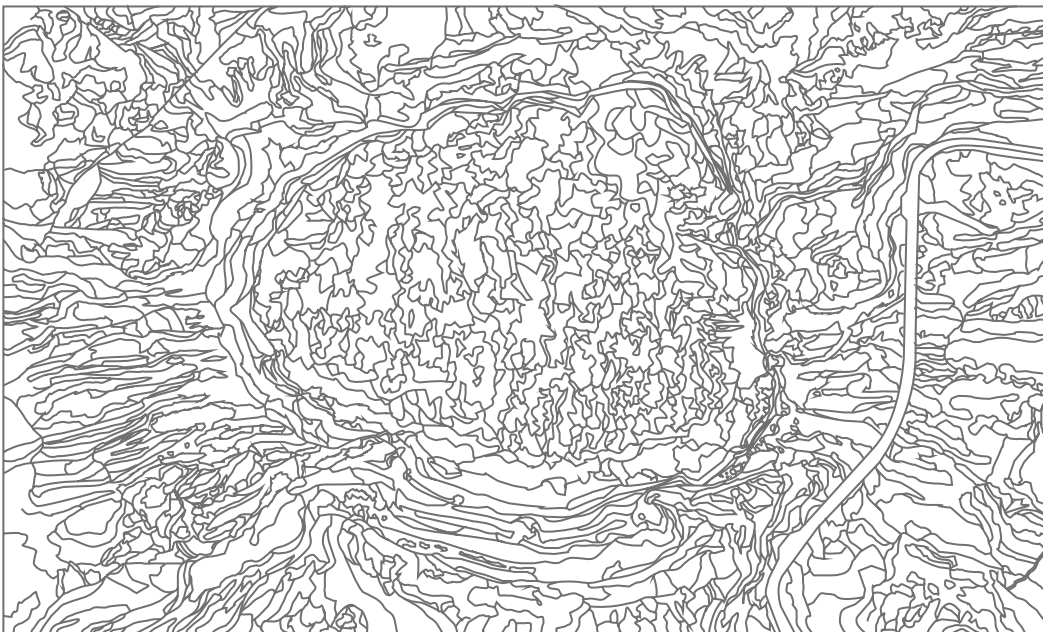


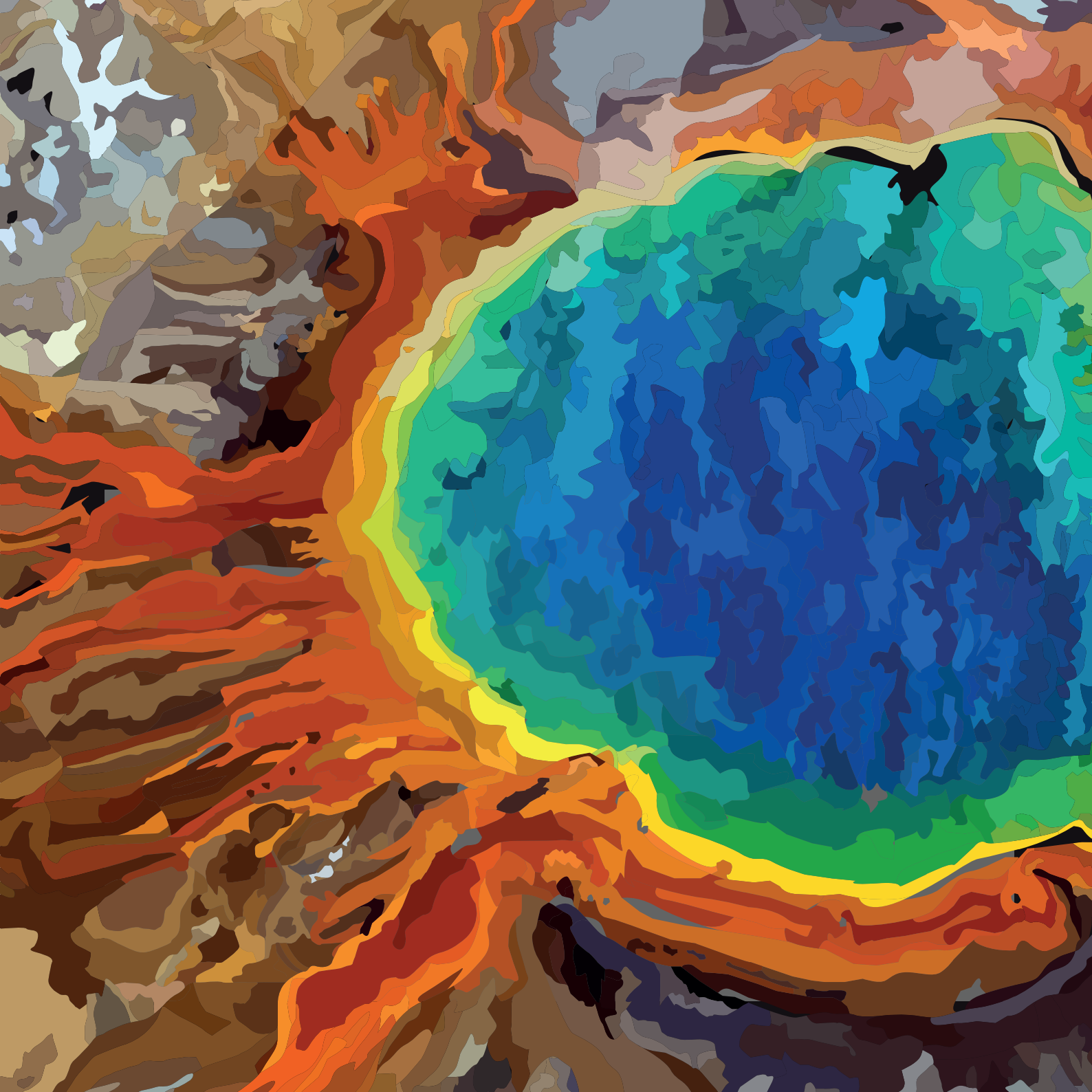
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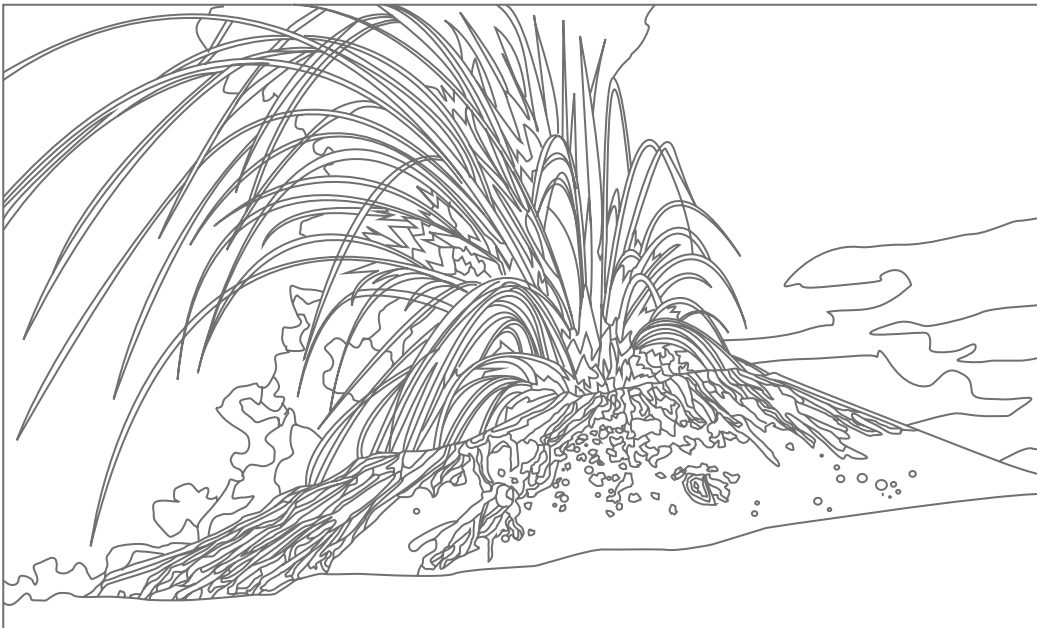


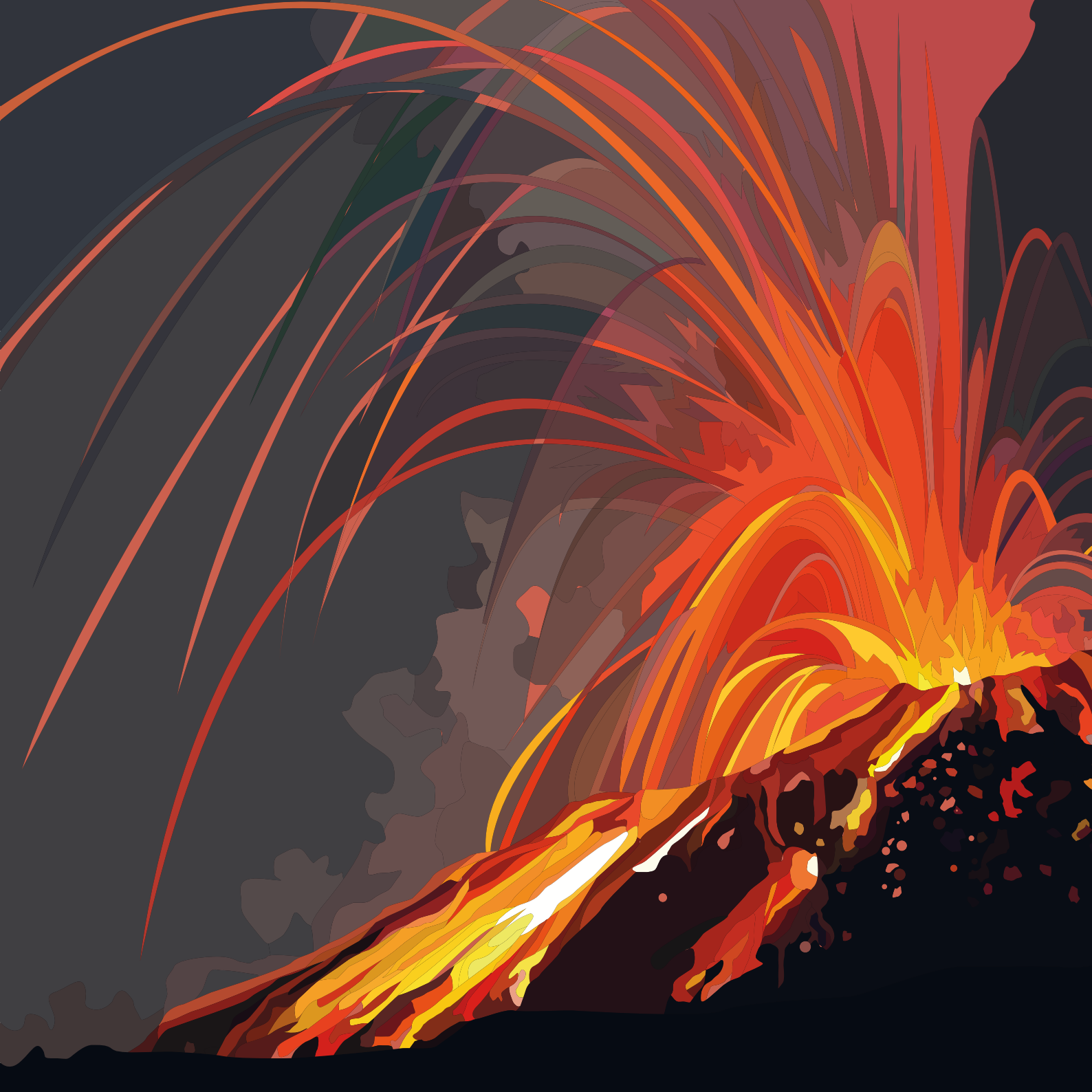
Supervulkan mit extrem starker explosiver Tätigkeit





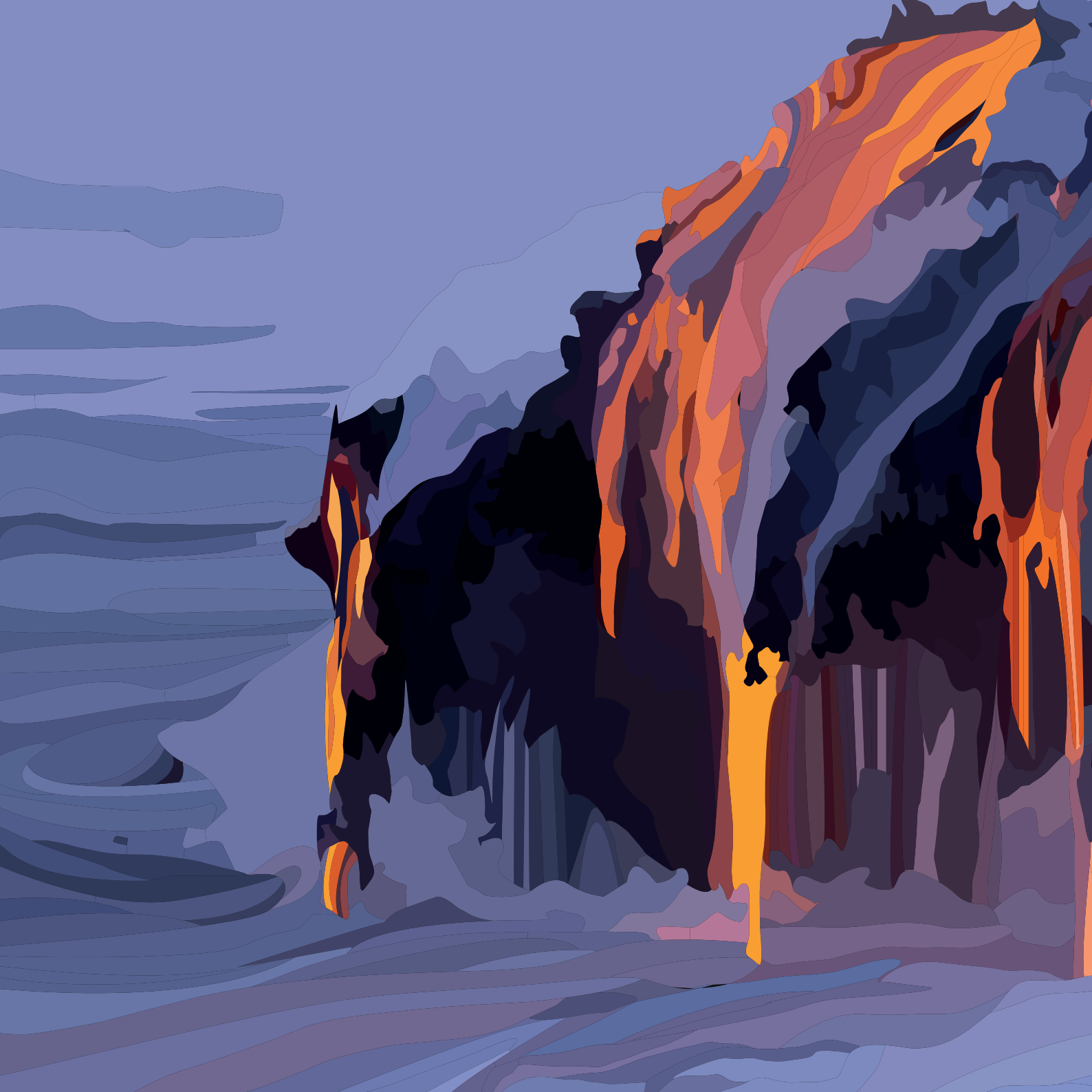
Vulkan mit explosiver oder ejektiver Tätigkeit



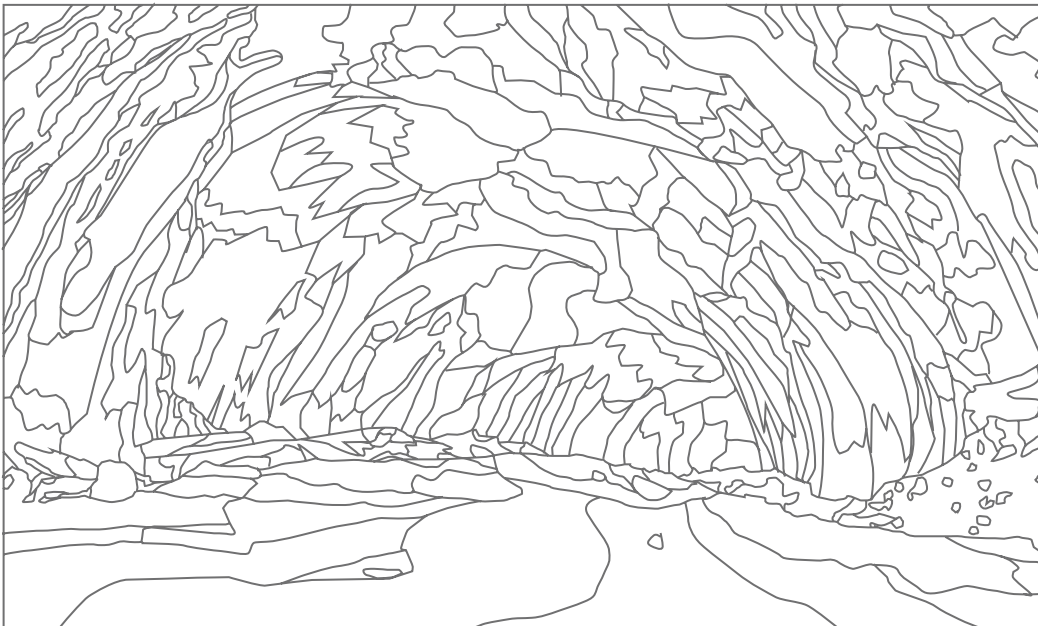


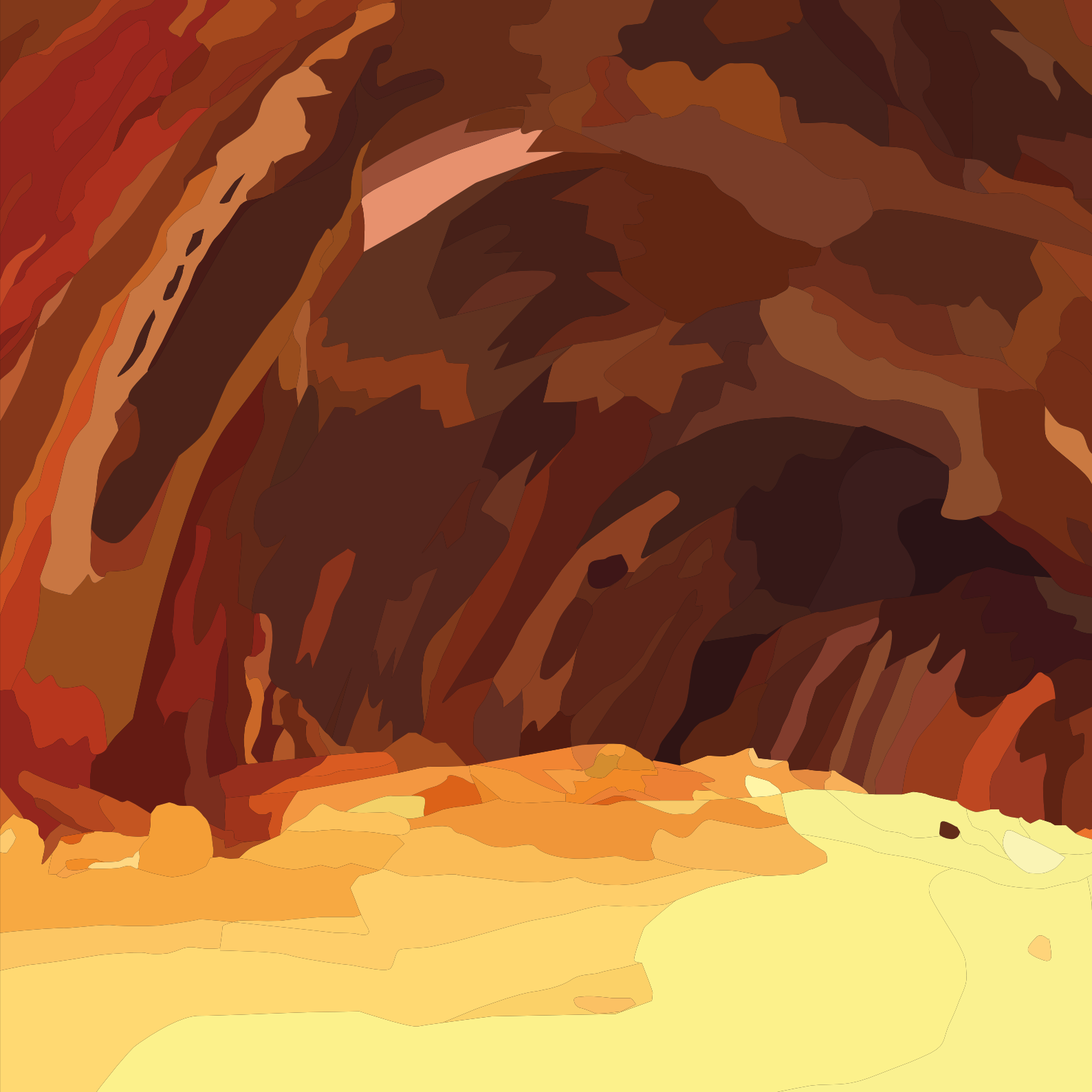
Vulkan mit effusiver Tätigkeit





Lavaröhre



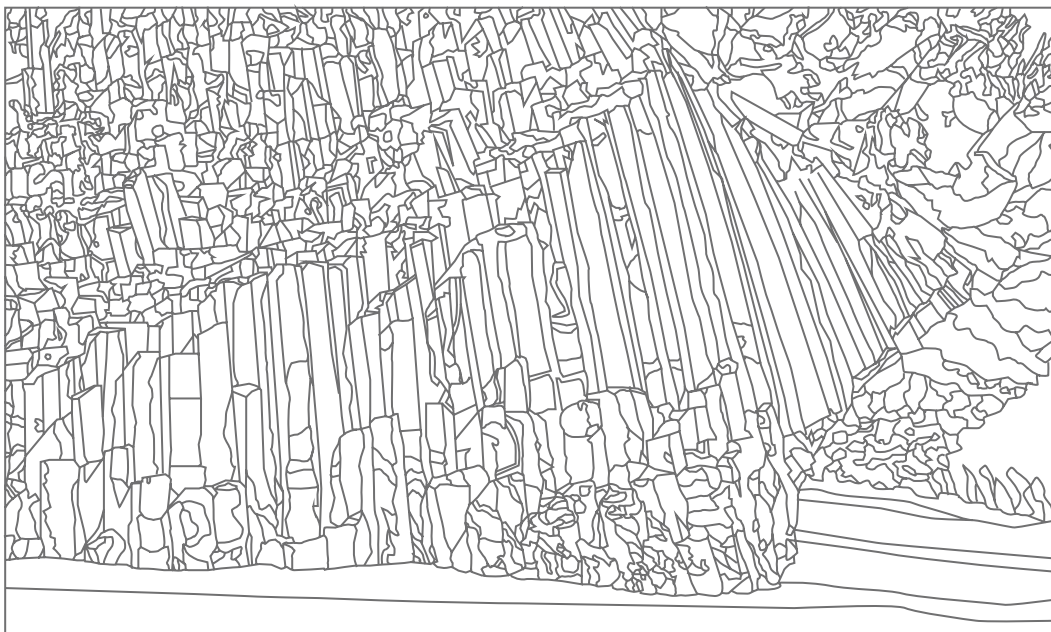


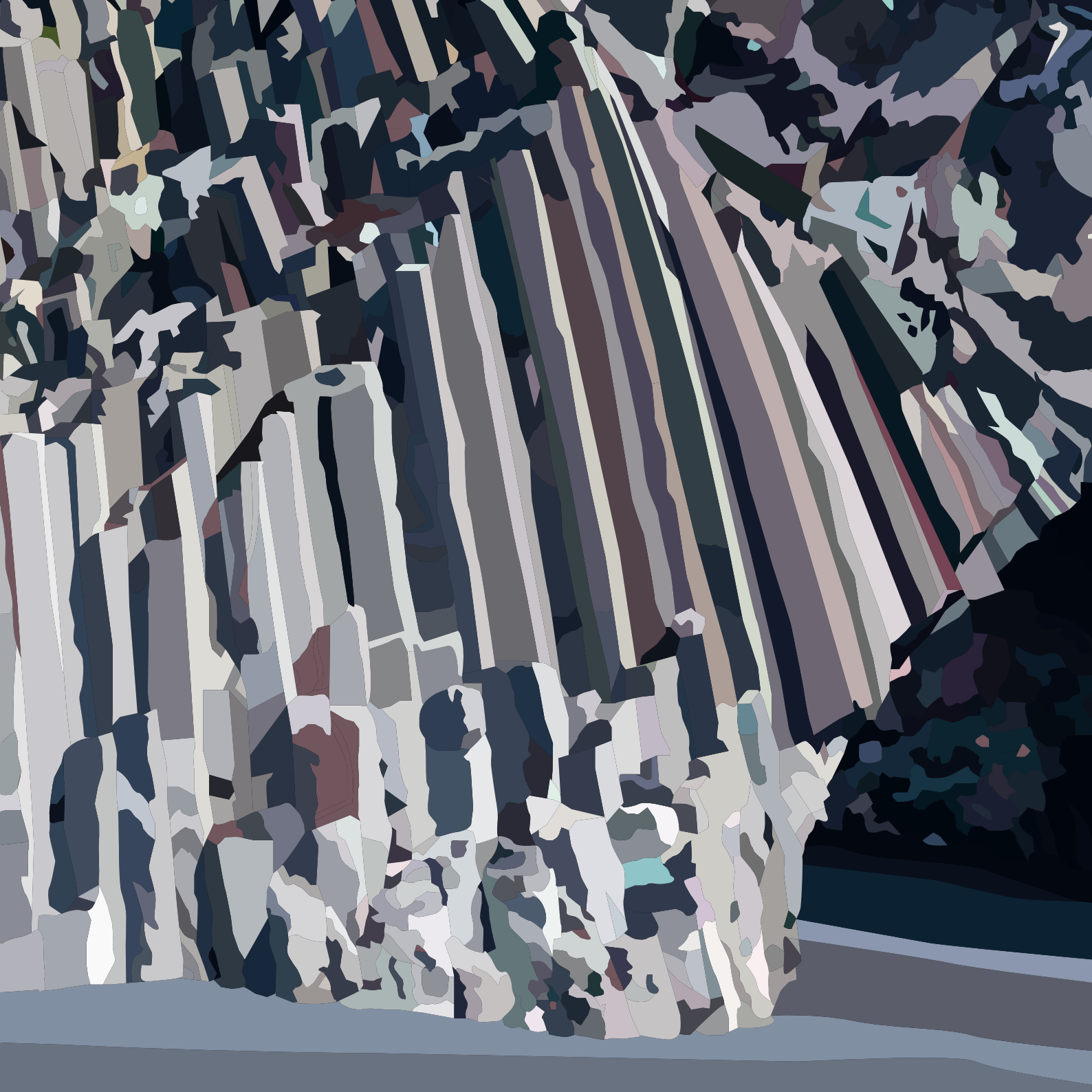
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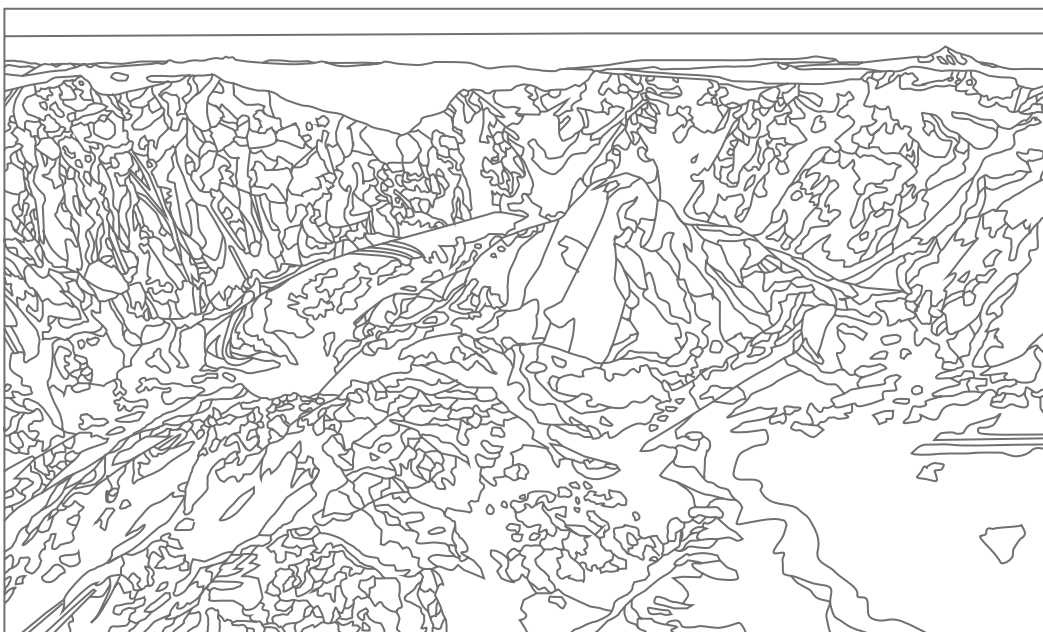


Lavasäule



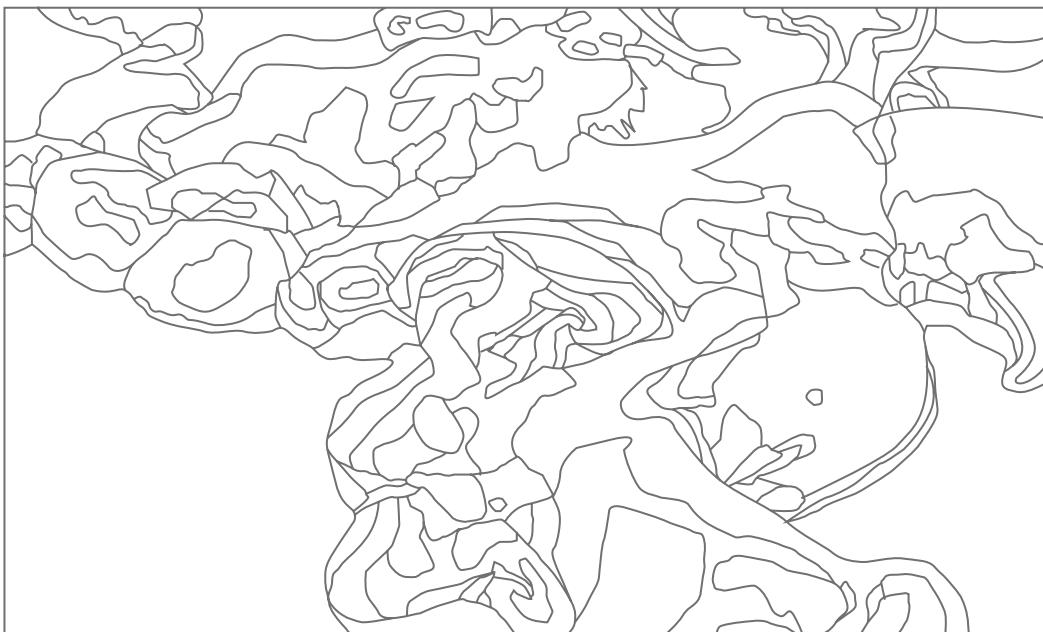


Lavadoom





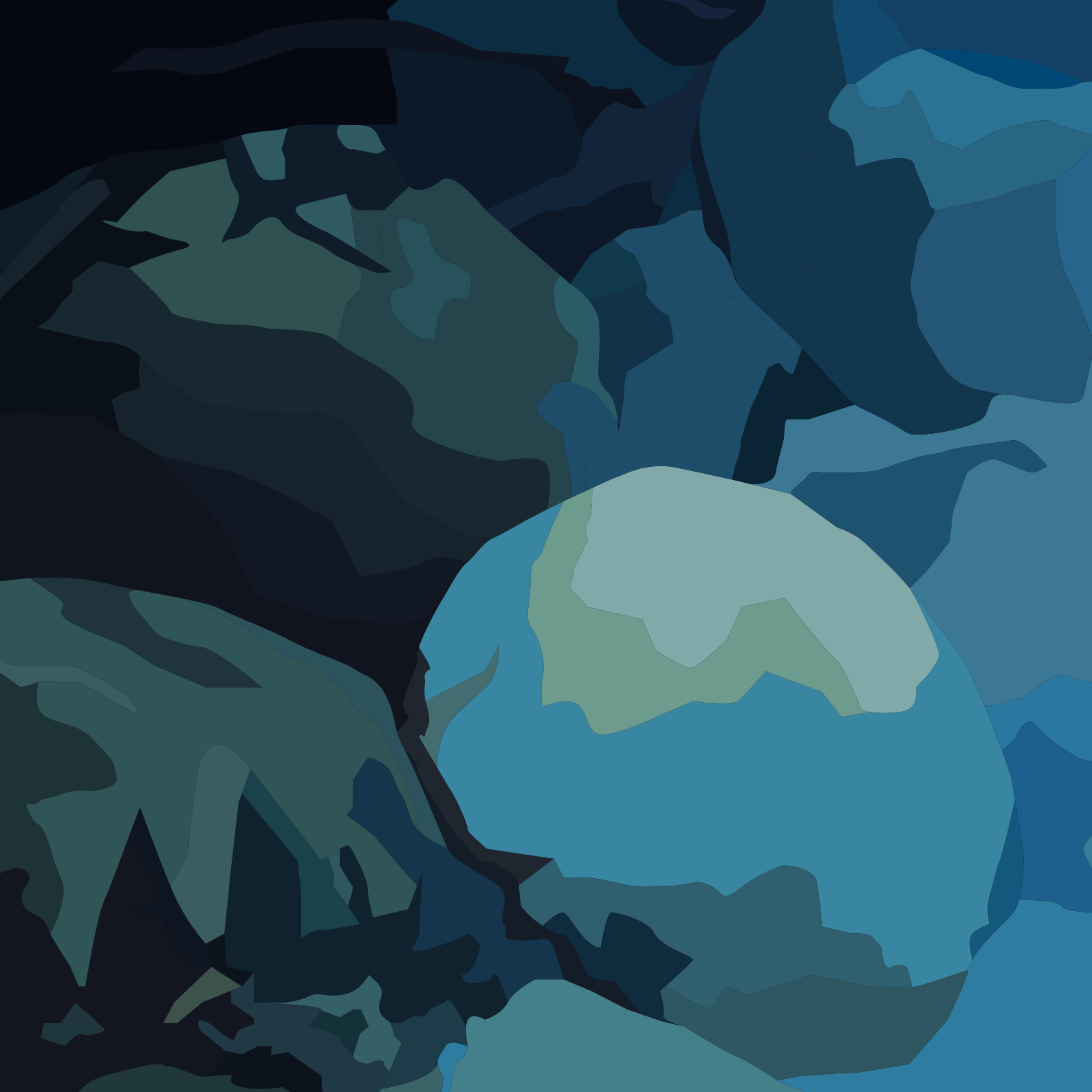
Flutbasalt



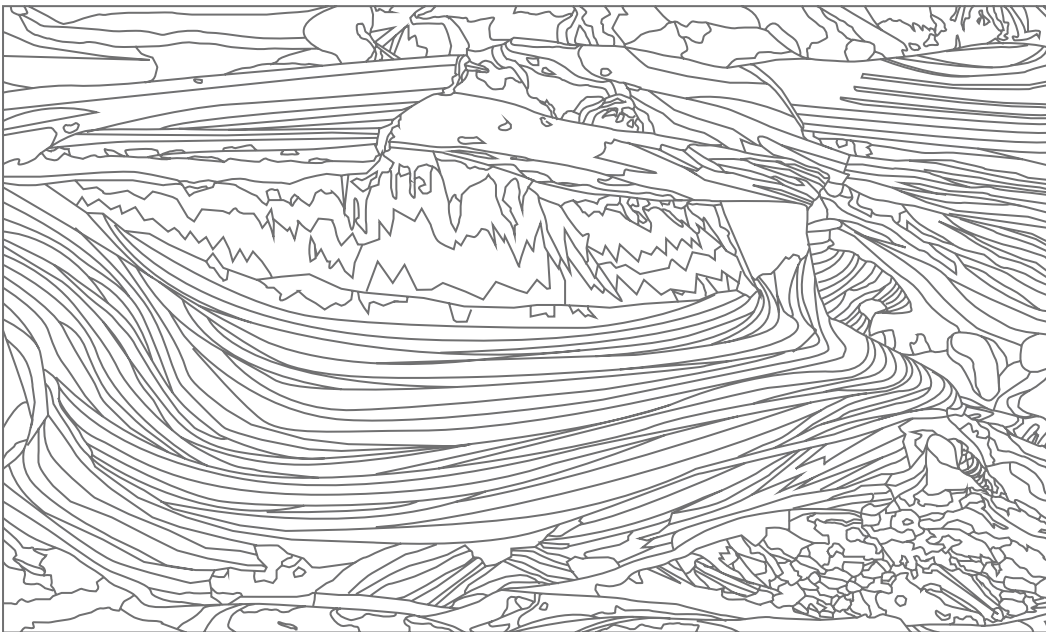


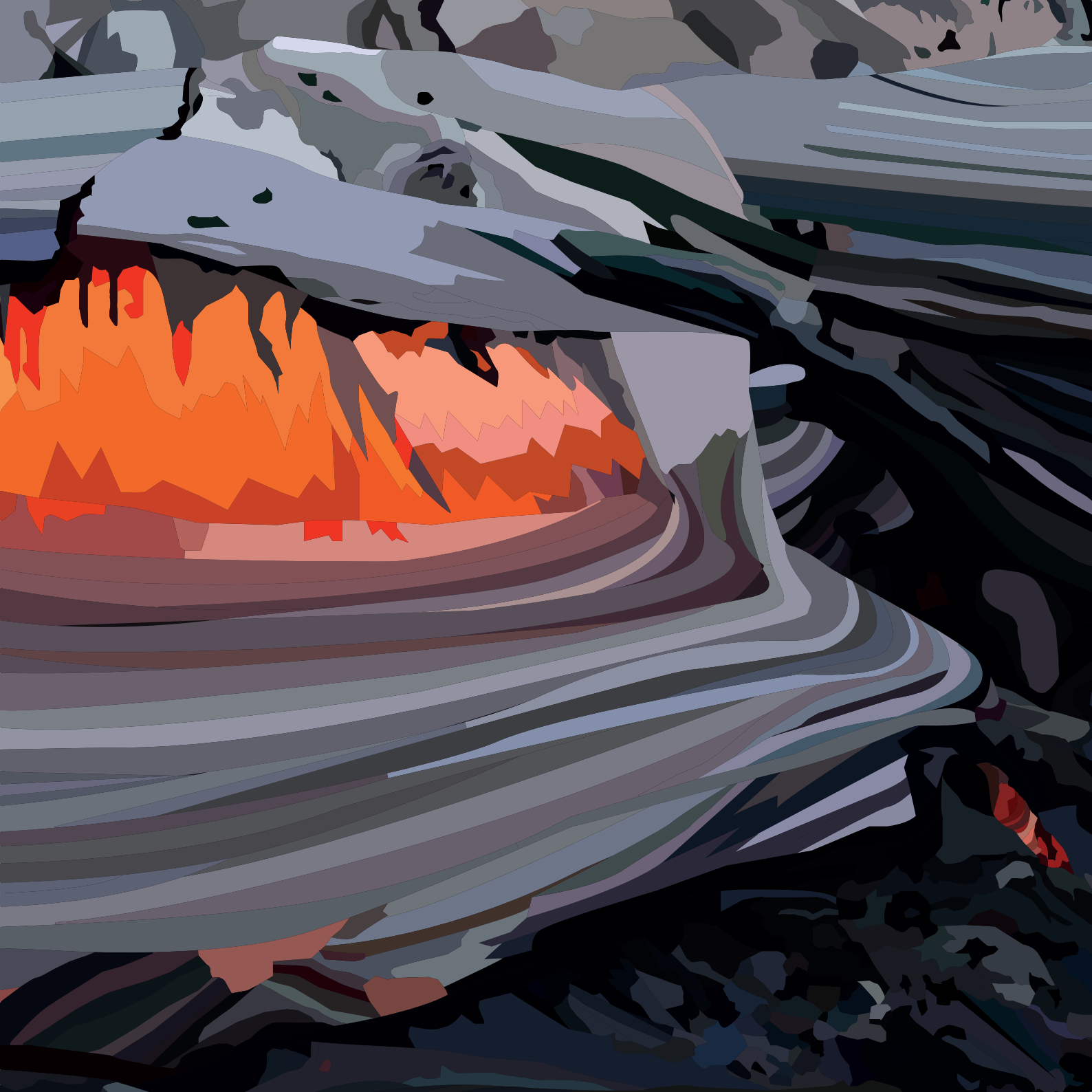
Pillow- oder Kissenlava





Pahoehoe-Lava



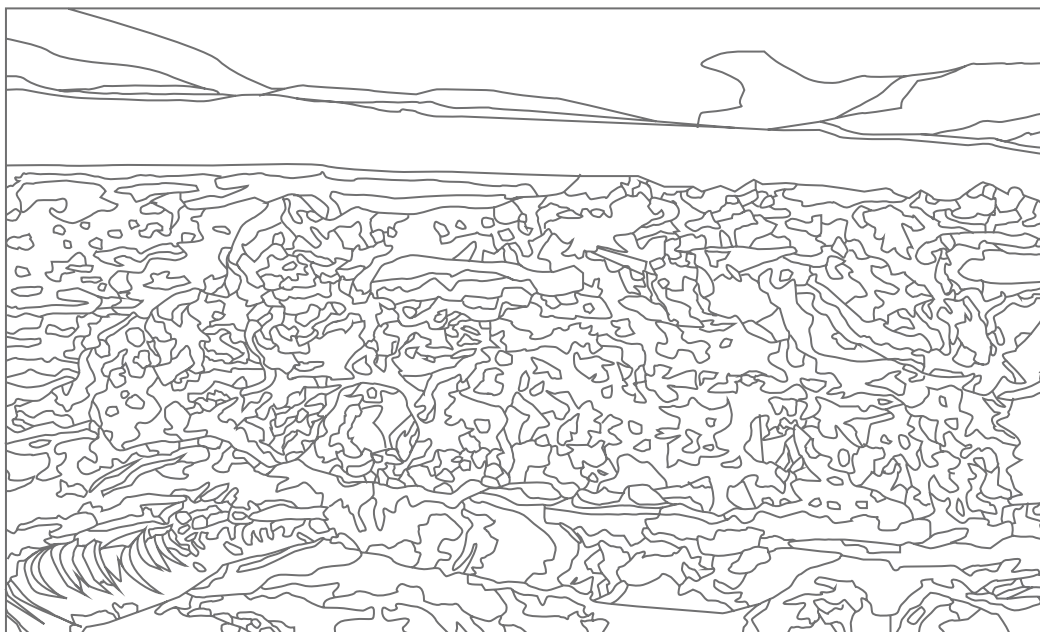


Brotkrustenbombe



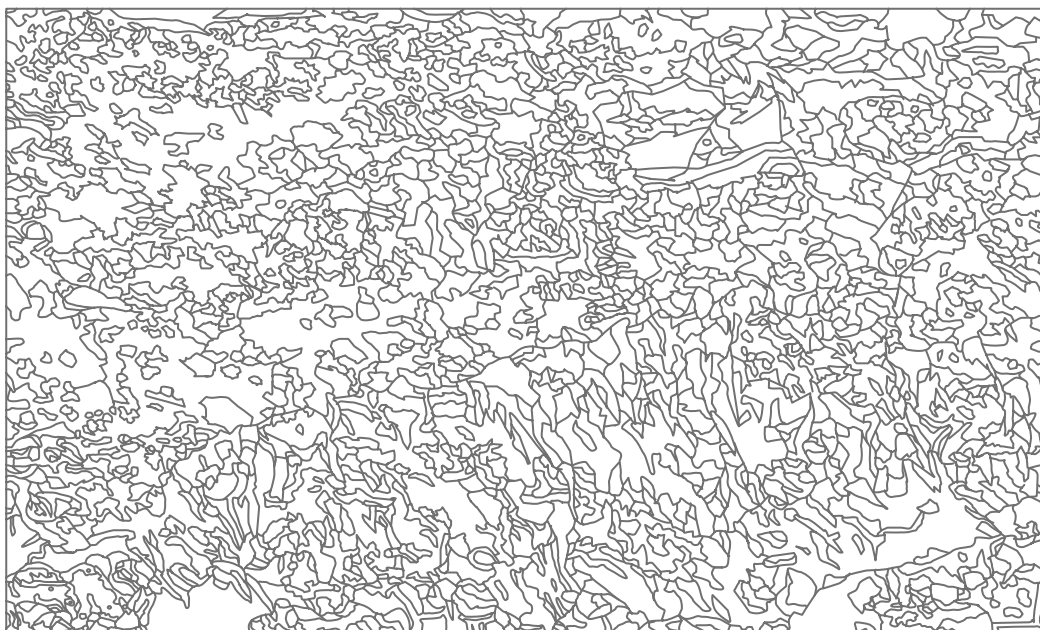


AA-Lava



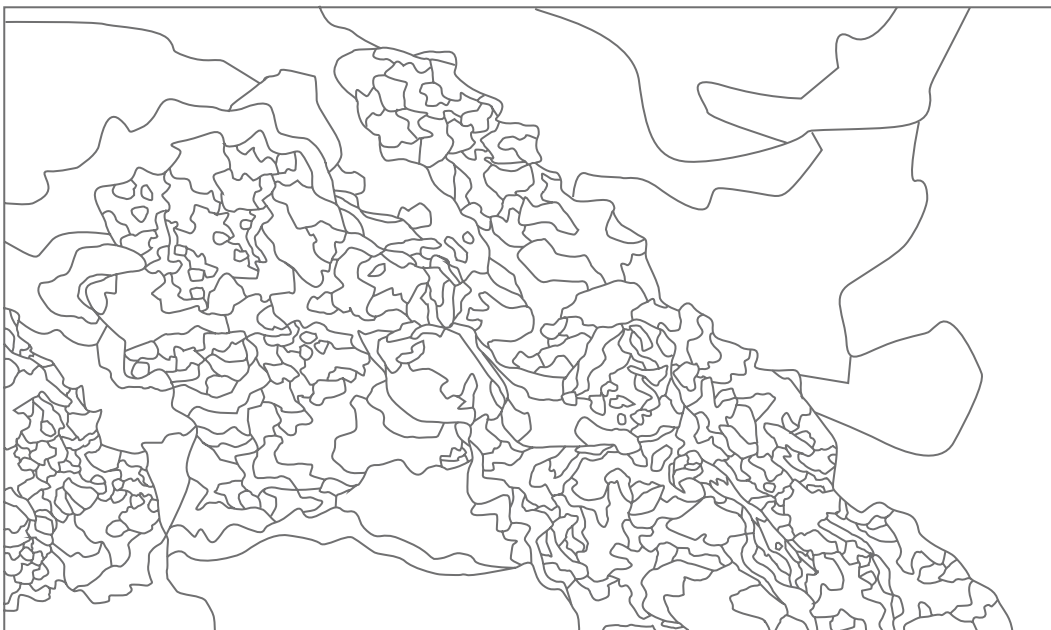


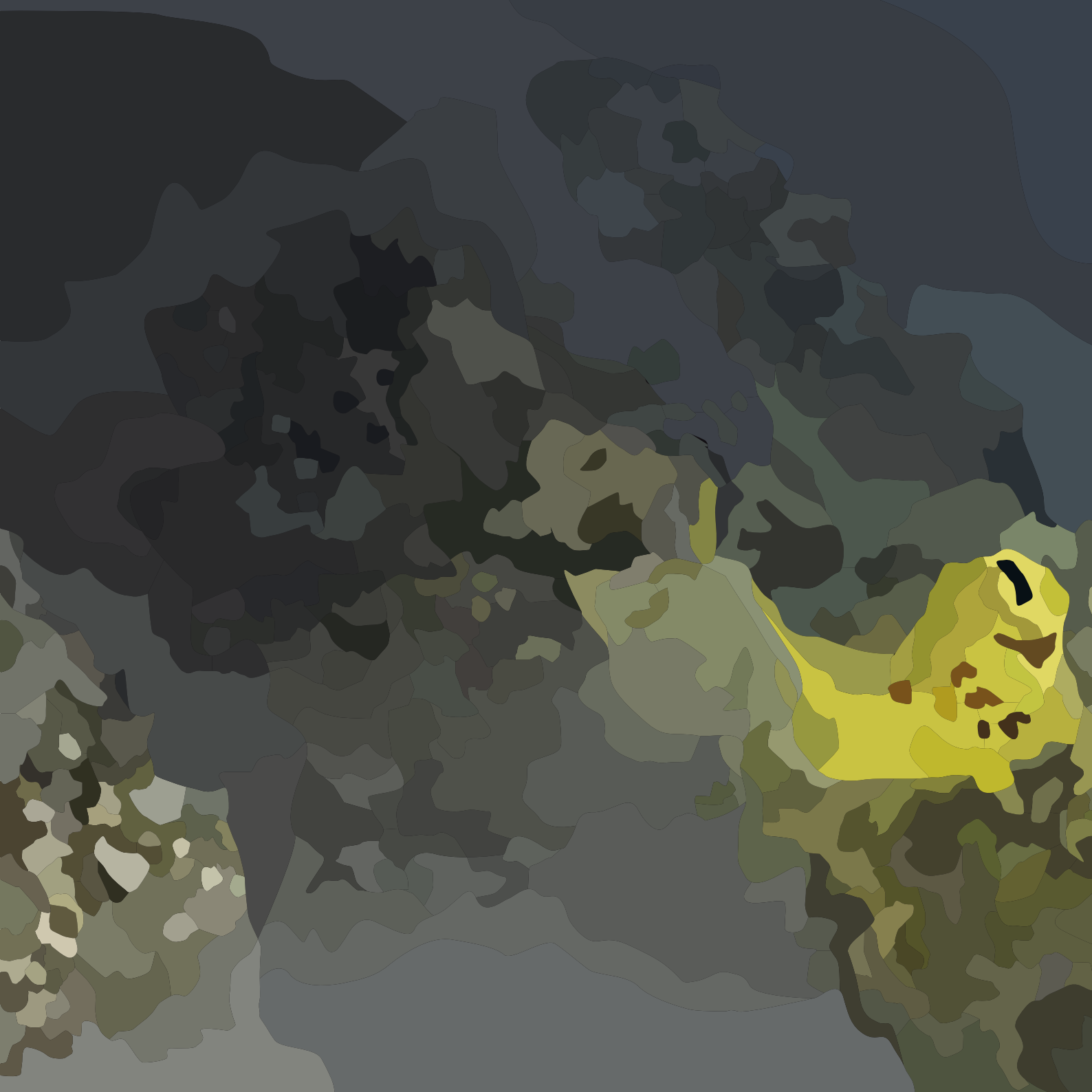
Blocklava





Fumarolen



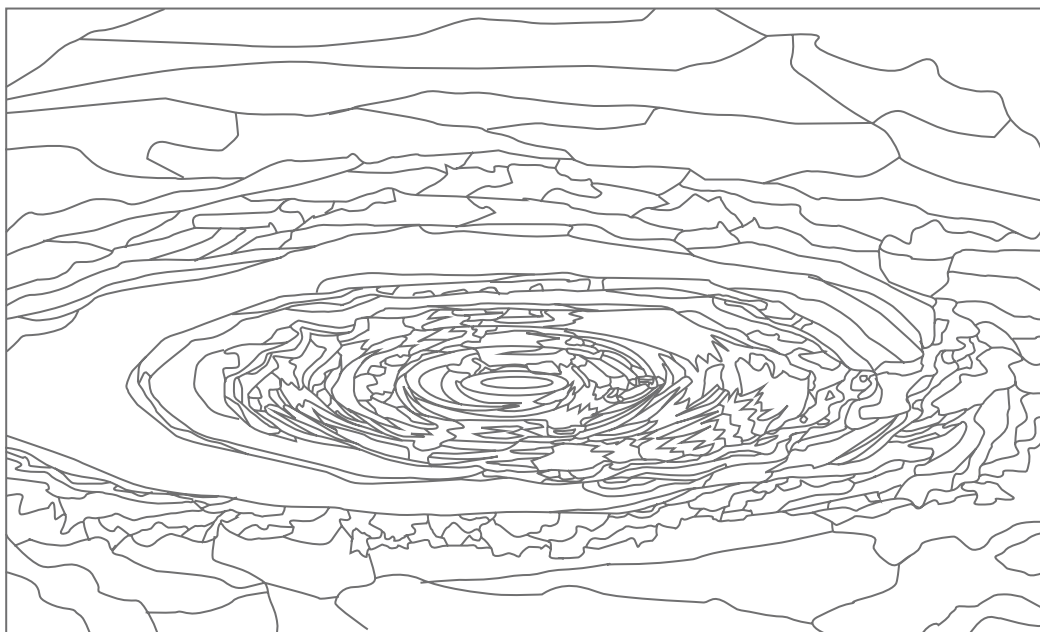


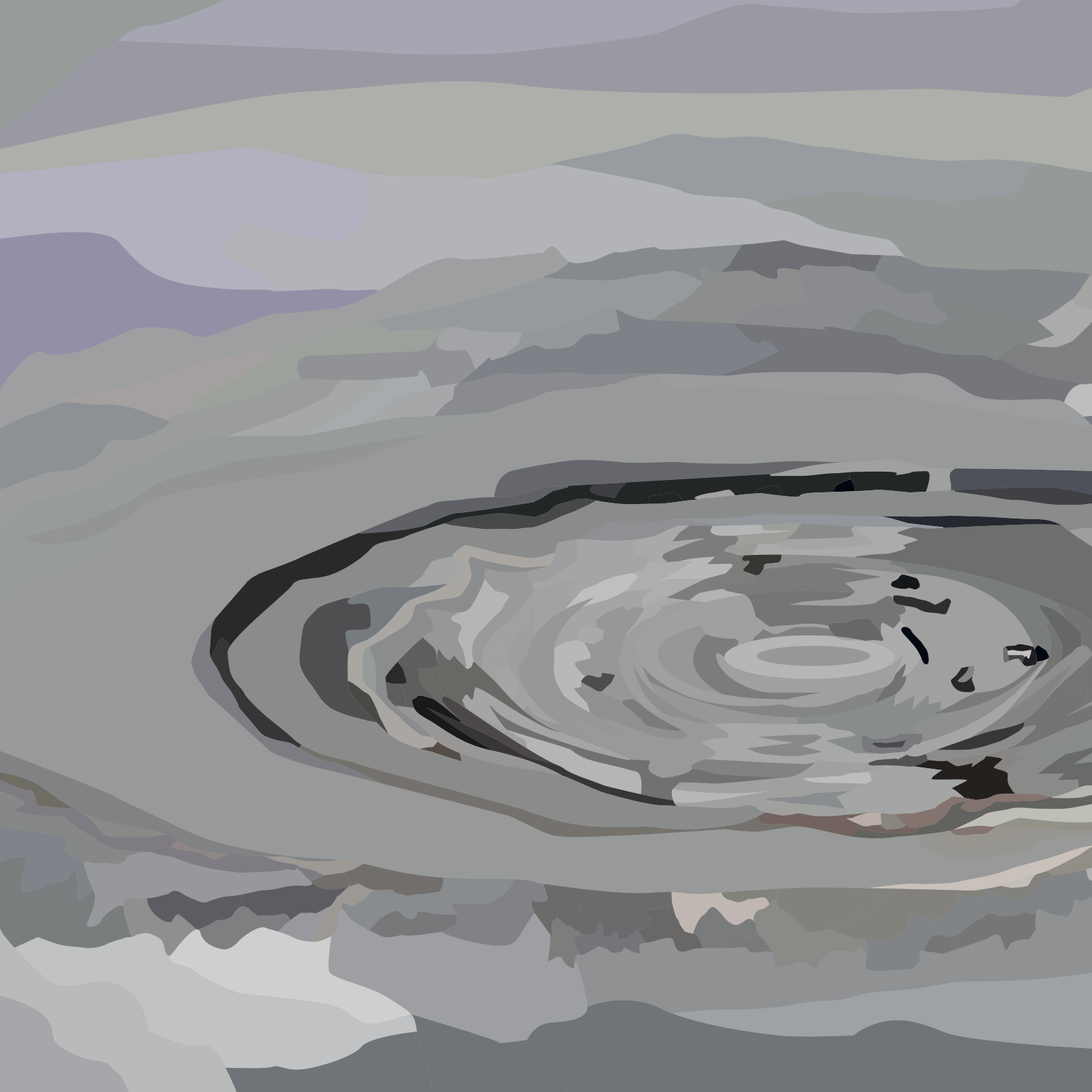
Solfataren





Mofetten



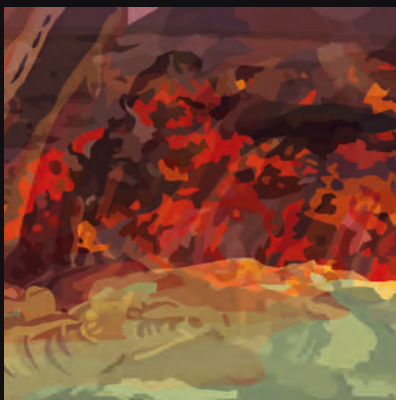


VEKTORGRAFIKEN ÜBERLAGERT

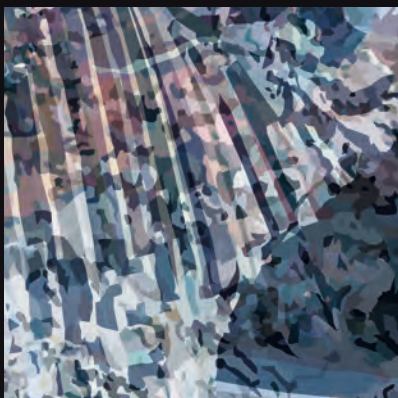
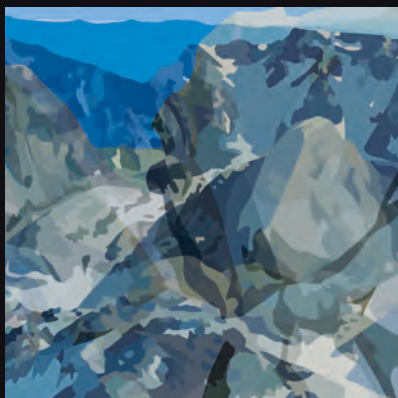
FLÄCHE



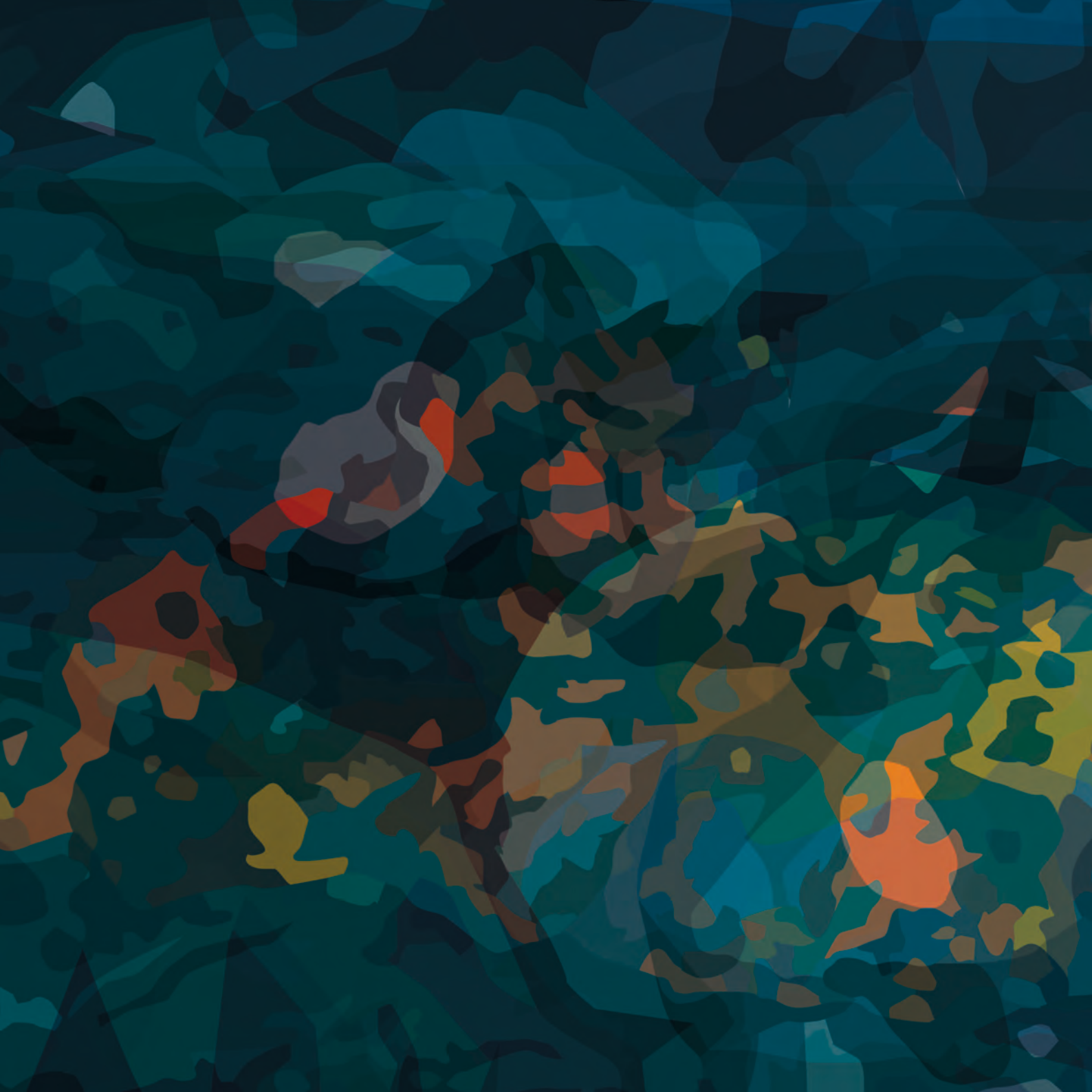


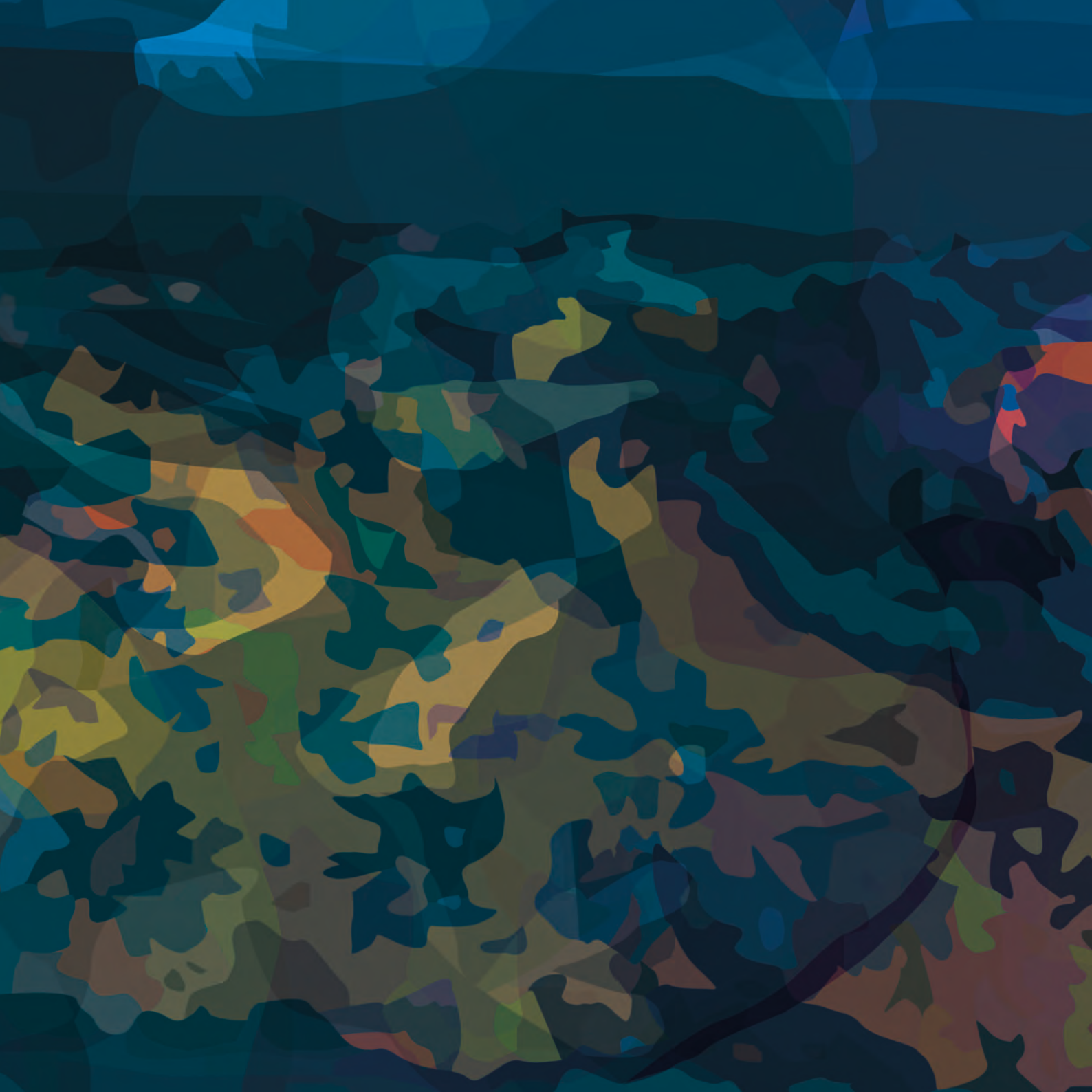




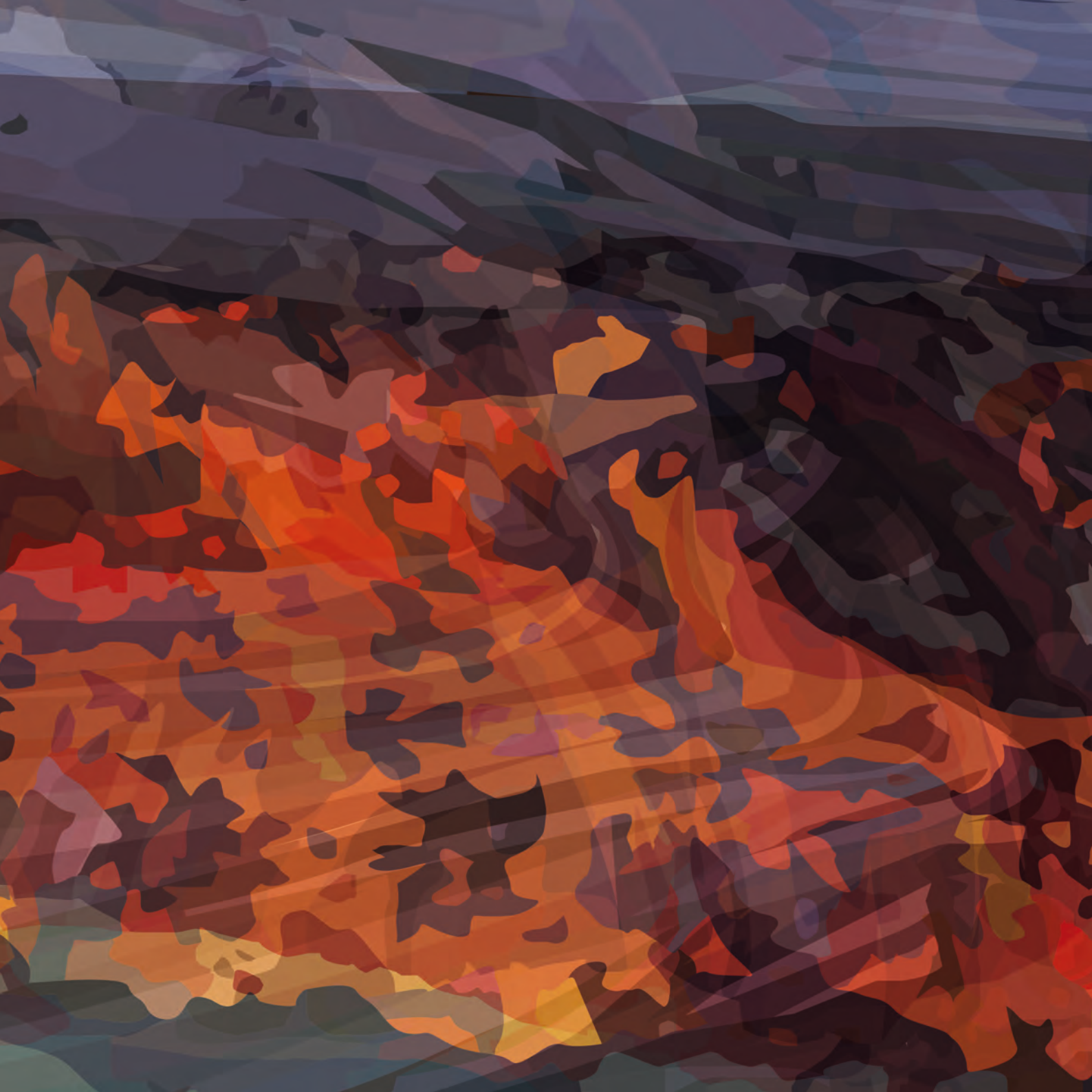




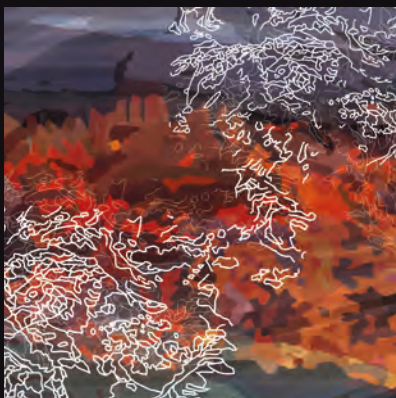
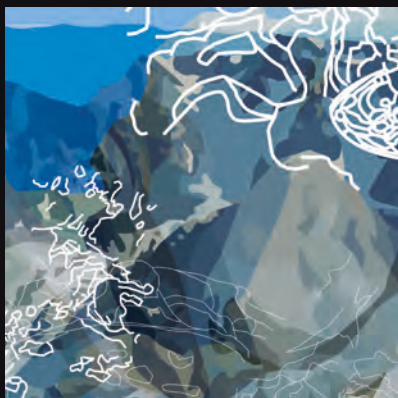


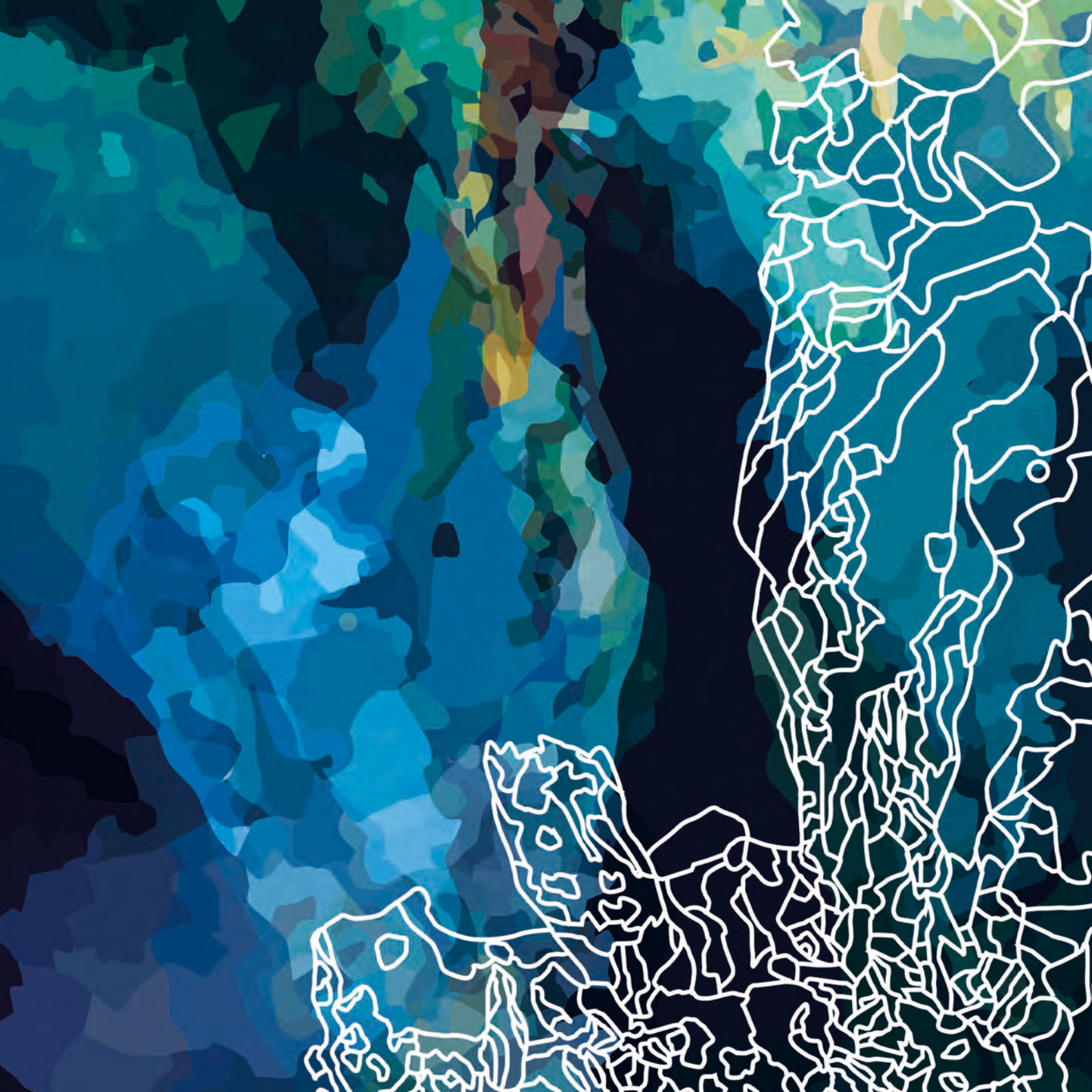




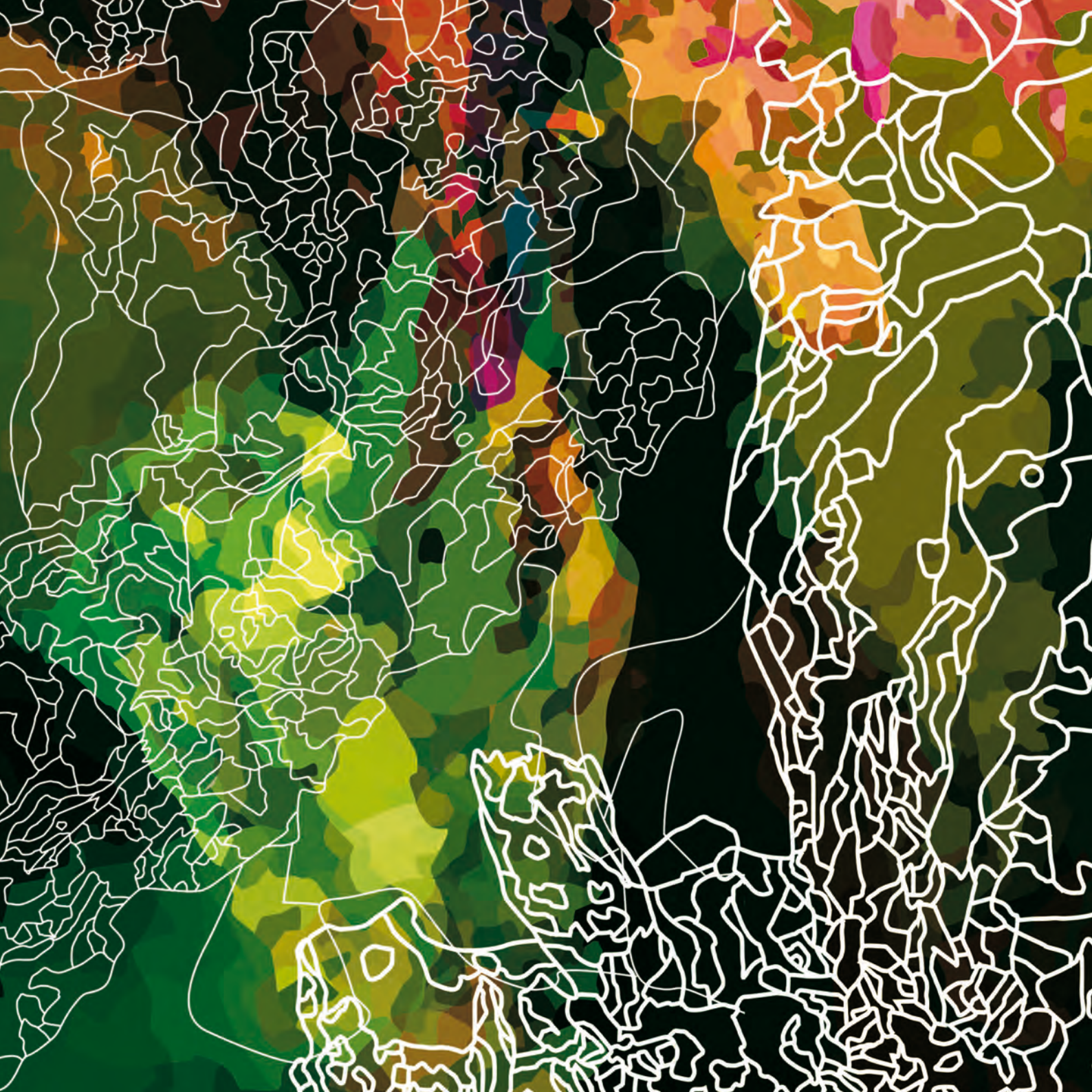


FLÄCHE UND LINIEN







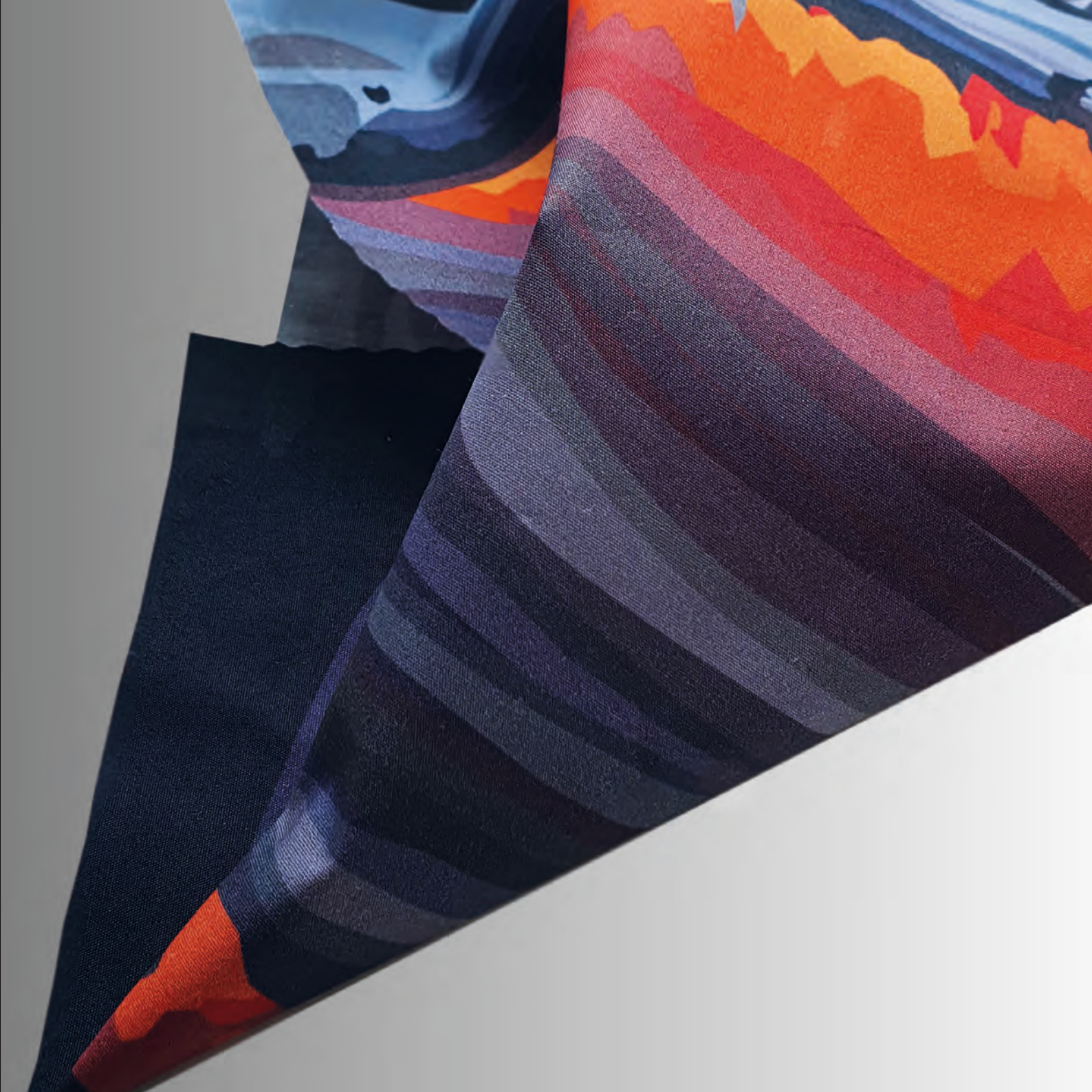


WEITERVERARBEITUNG ZEICHNUNGEN

DIGITALDRUCK

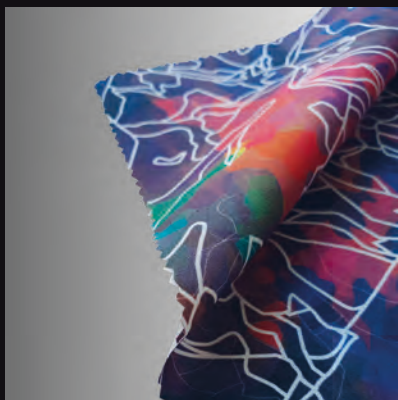
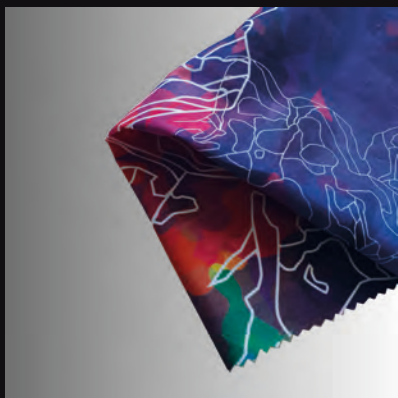
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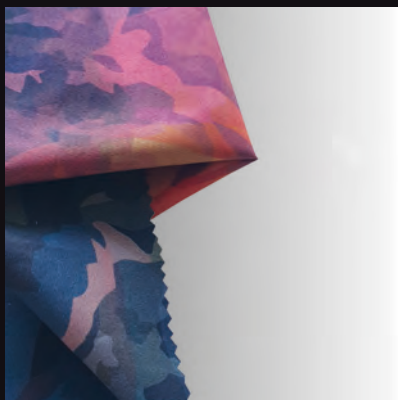




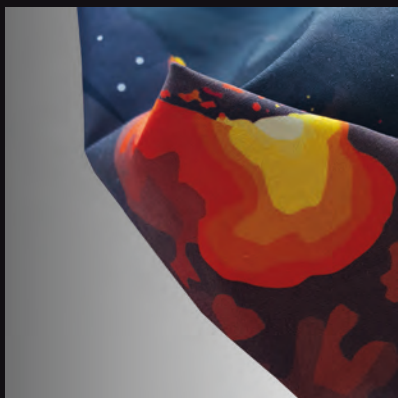








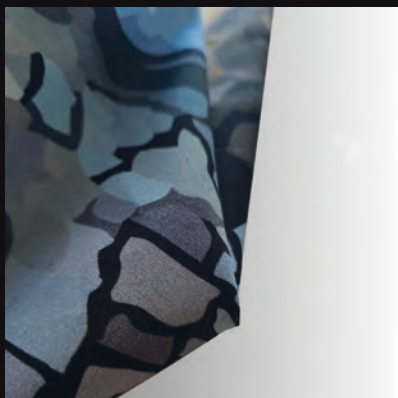




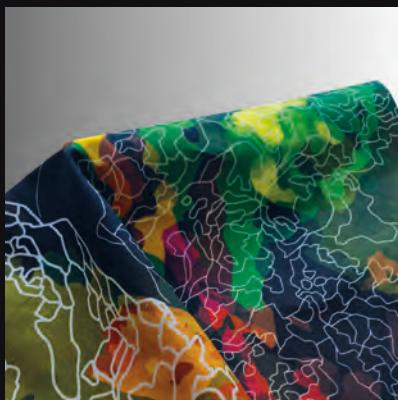
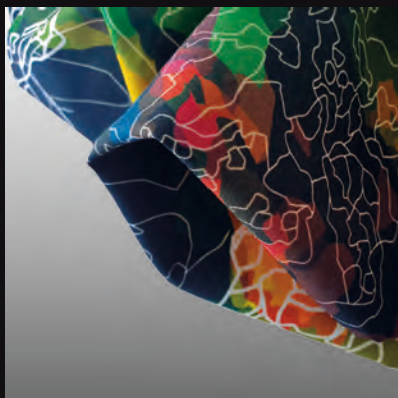








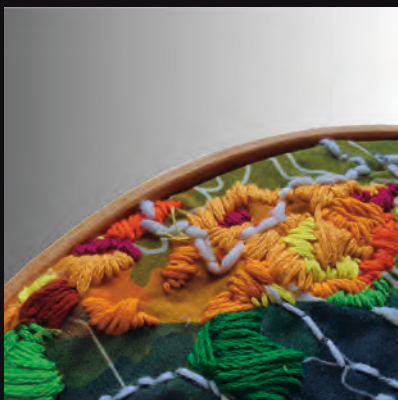
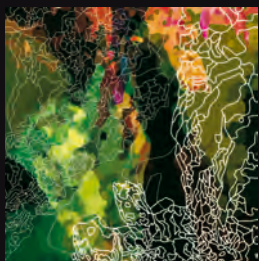




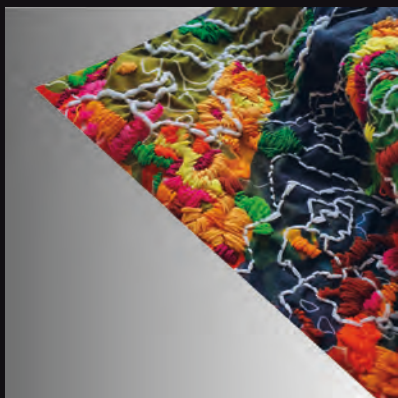


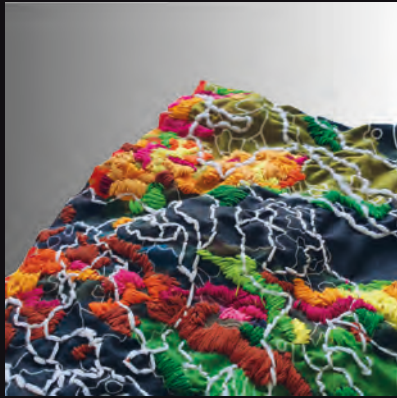
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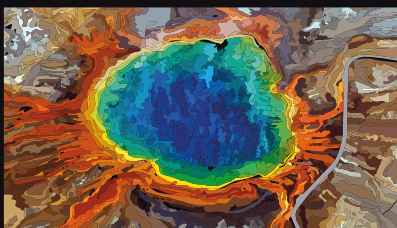
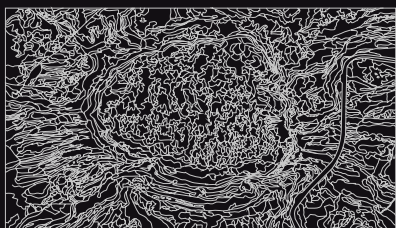
Sticken

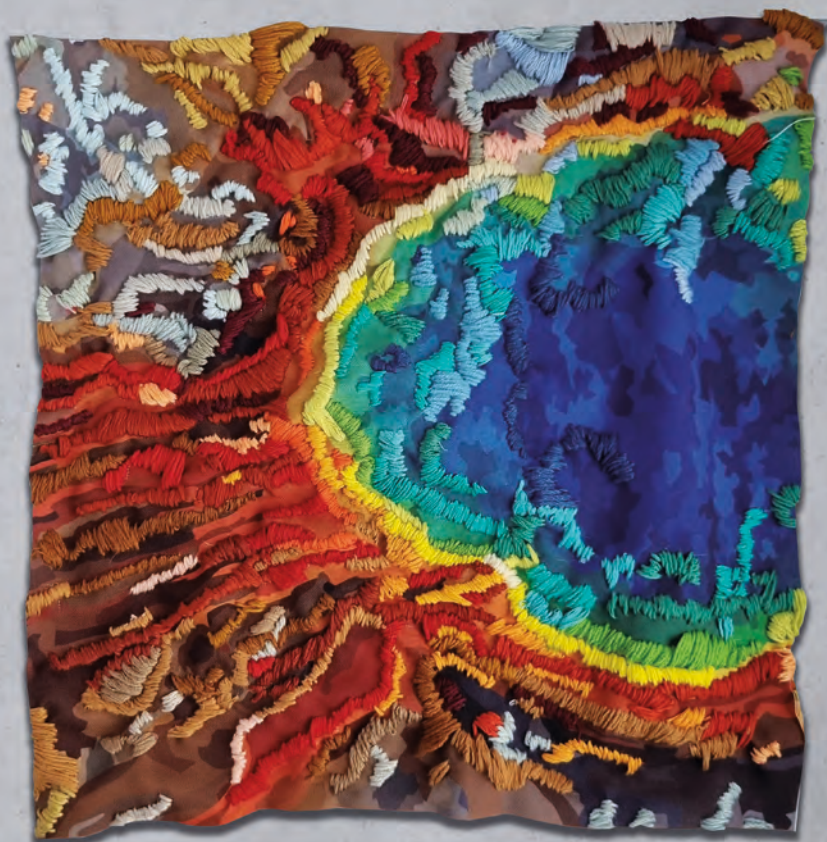


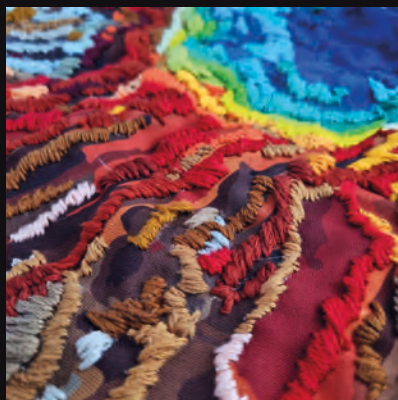
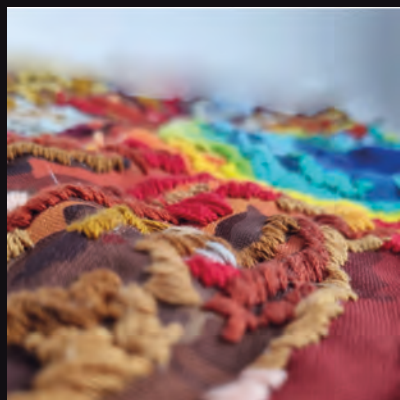








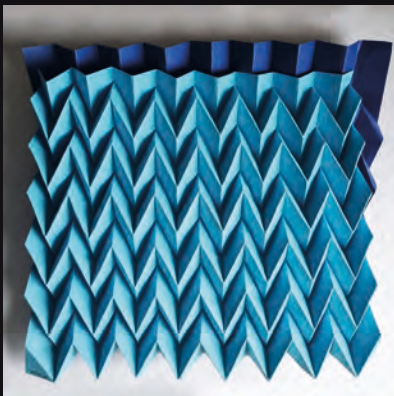
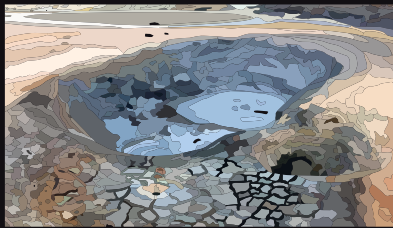
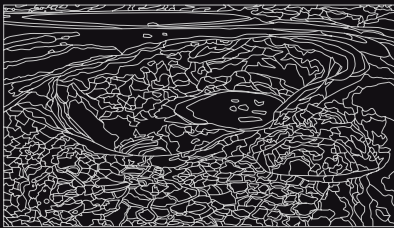




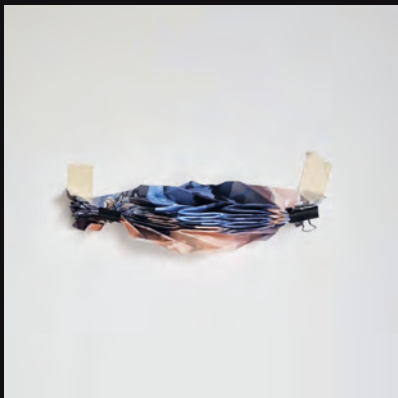




Plissieren

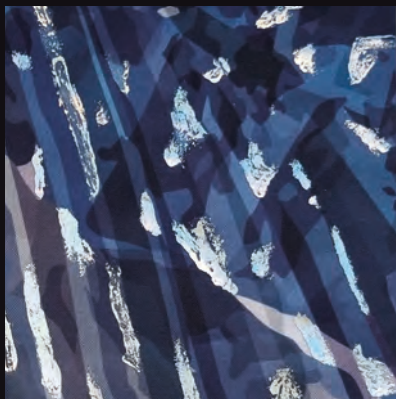
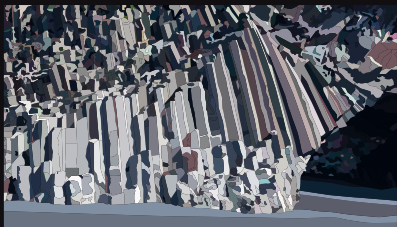
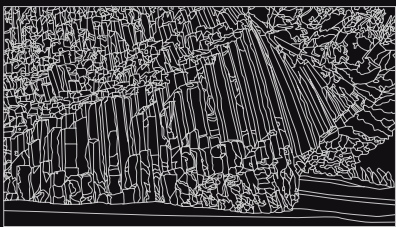


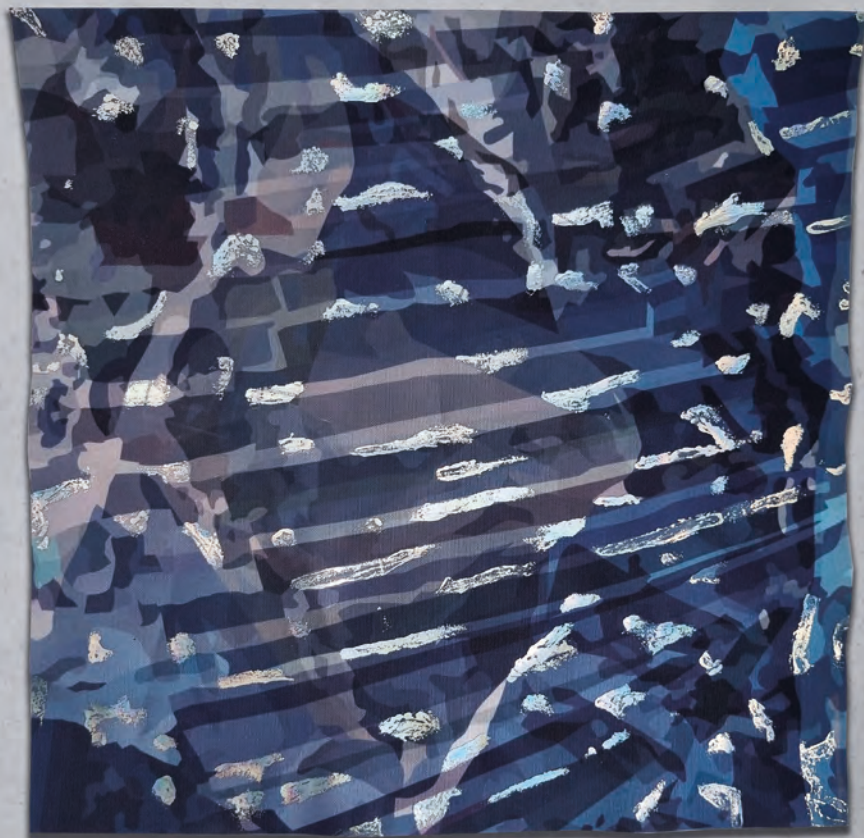






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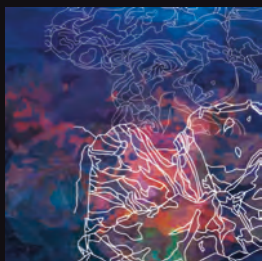








Transferfolie und Sticken







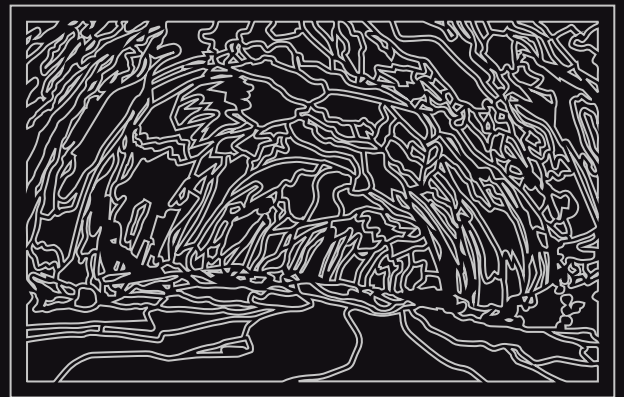
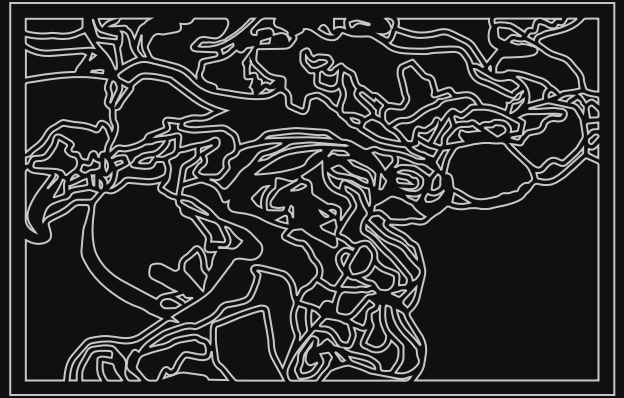


CUTOUTS

VORBEREITUNG

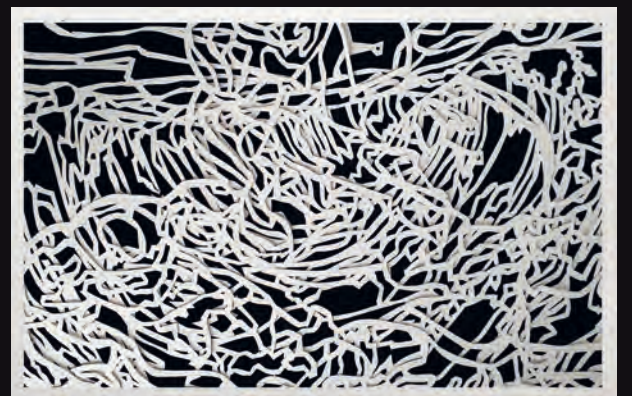
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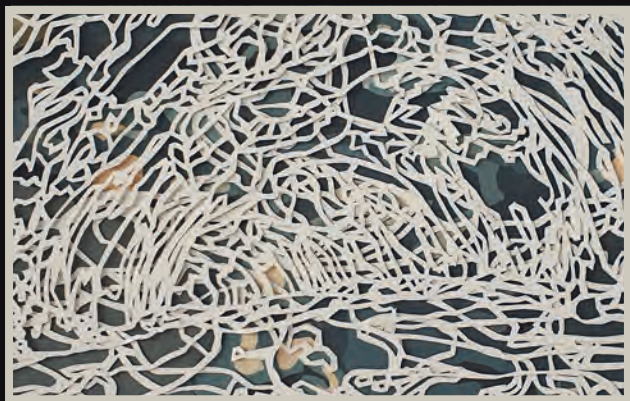


Ausschneiden

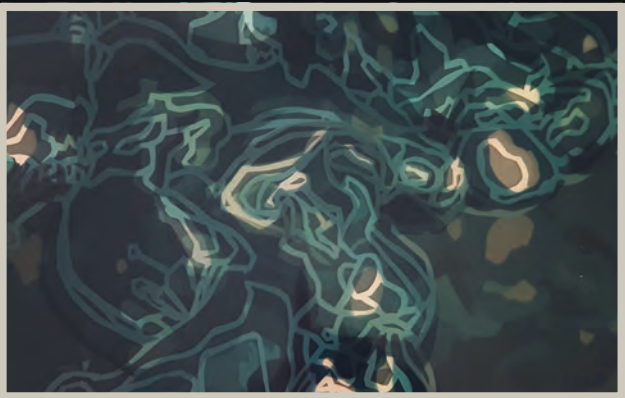
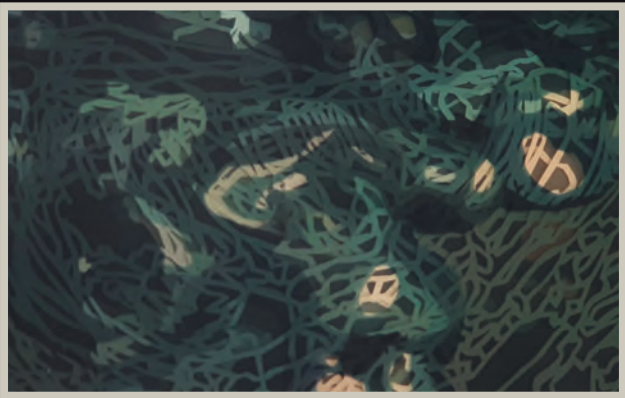




Schichtweise überlagert



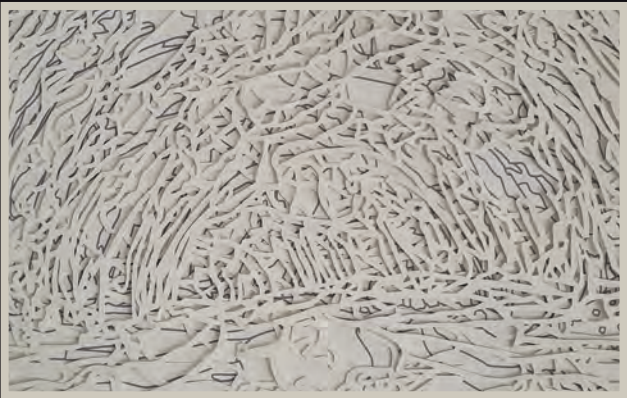
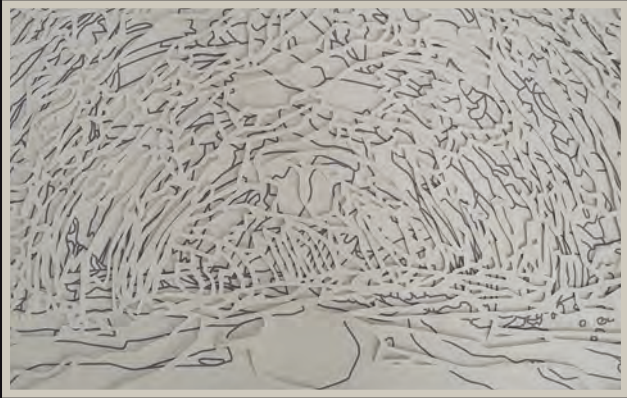






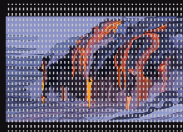


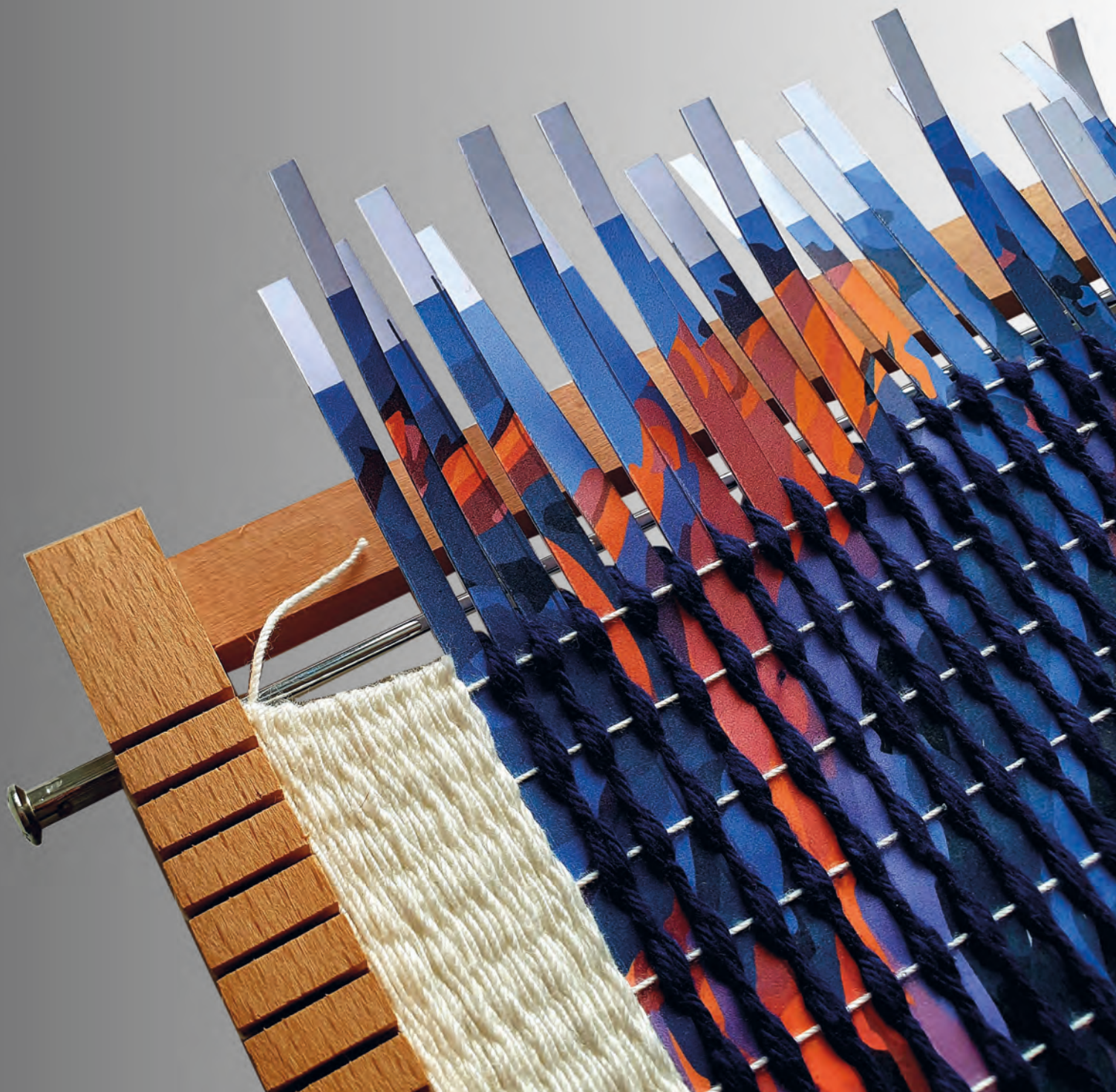






PAPIERWEBEN





PROJEKTION

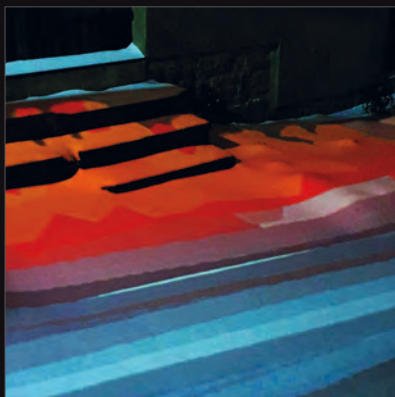
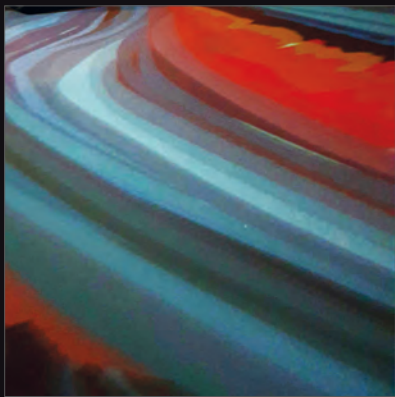
TEXTIL



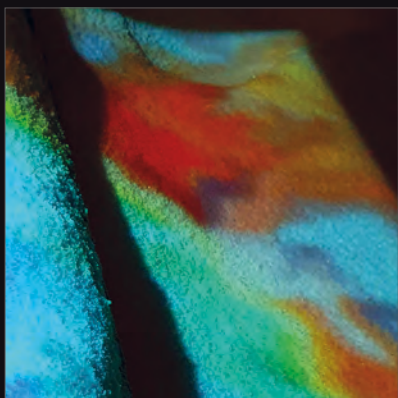
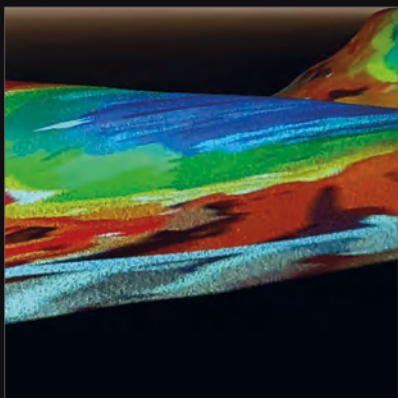


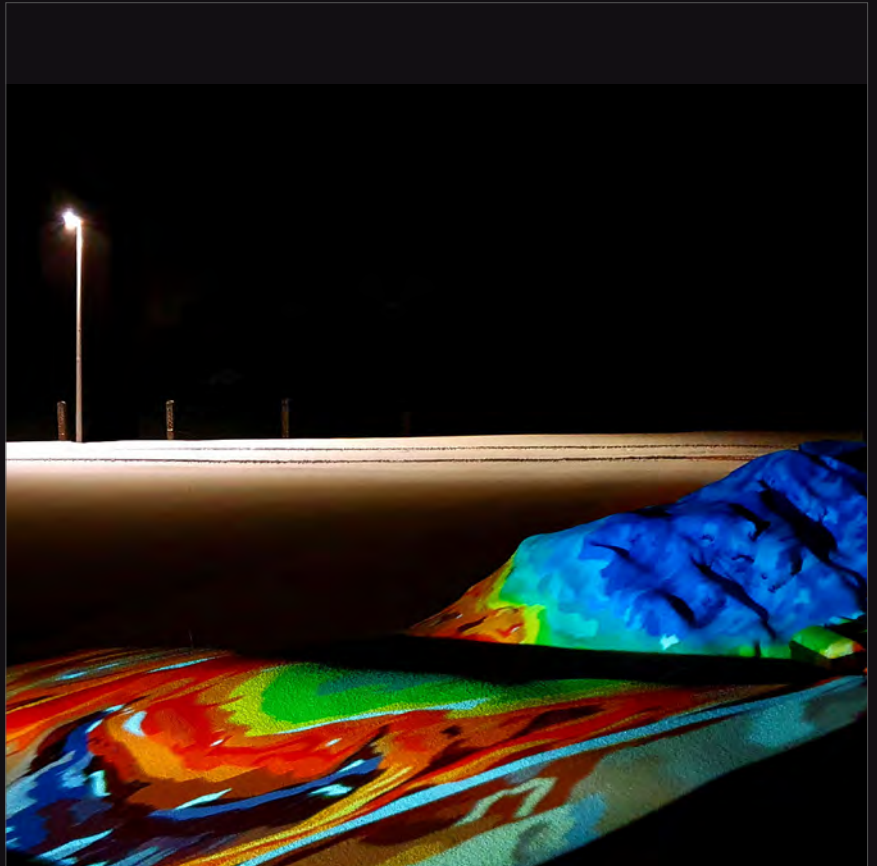
NATUR

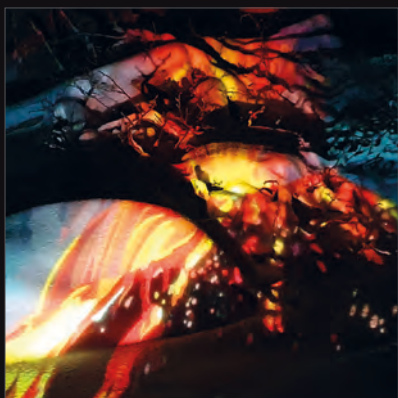
Kontrast Heiß - Kalt



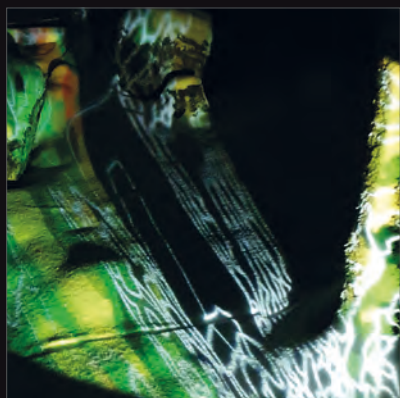


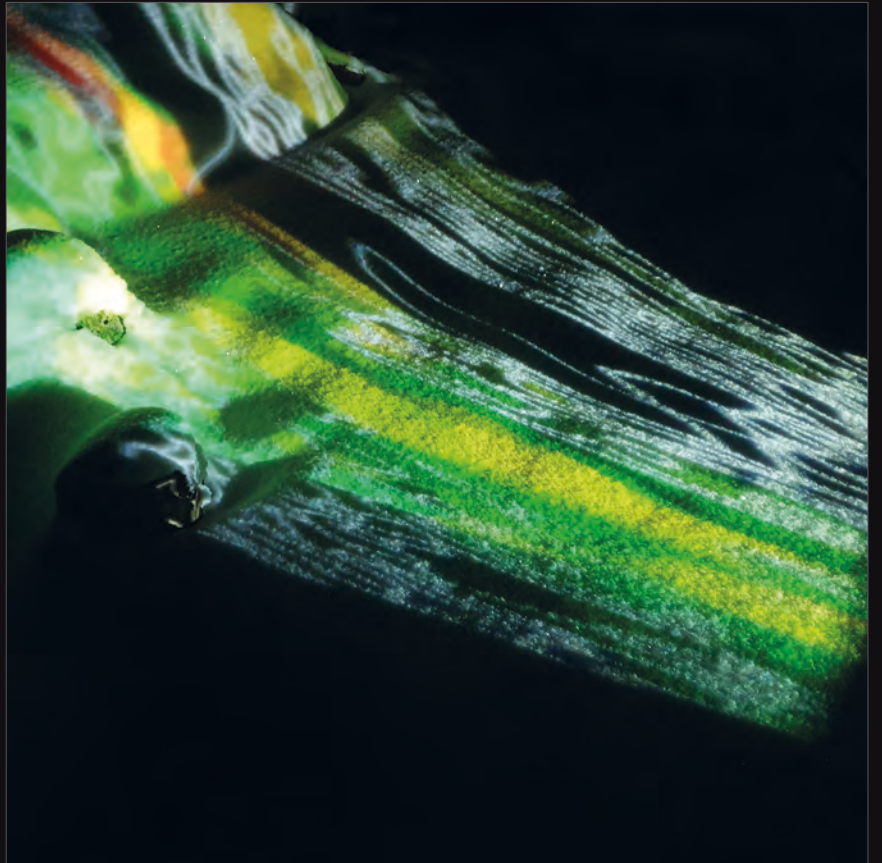






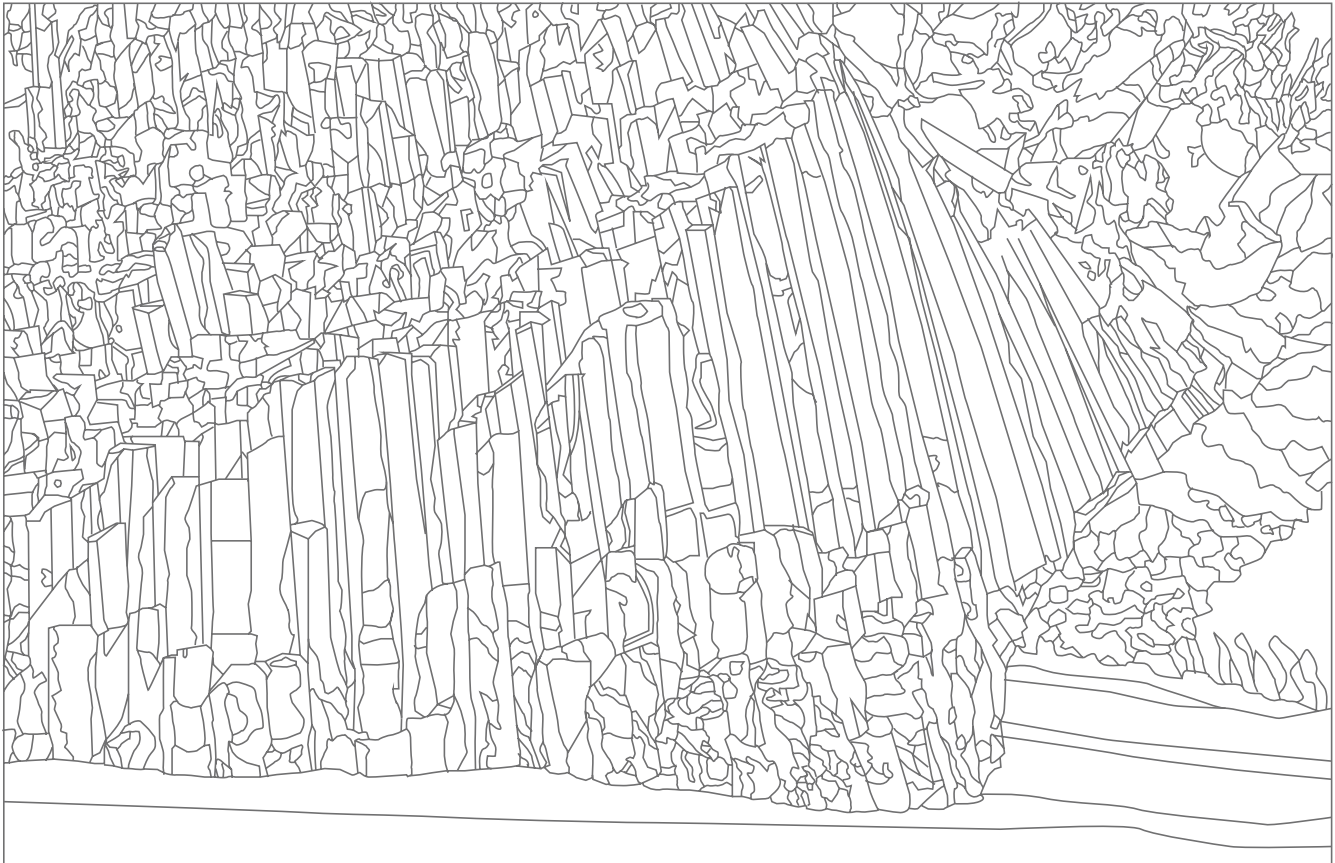


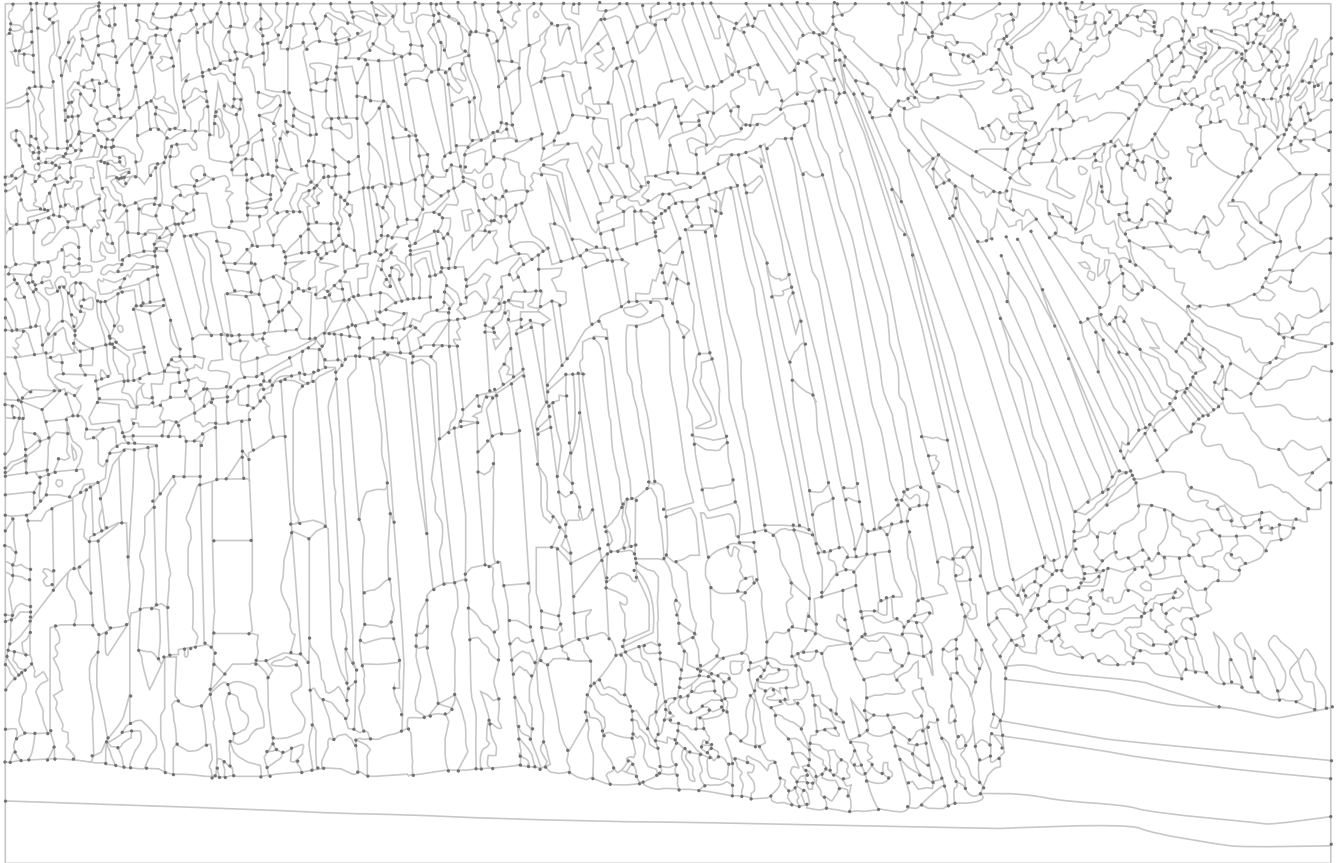




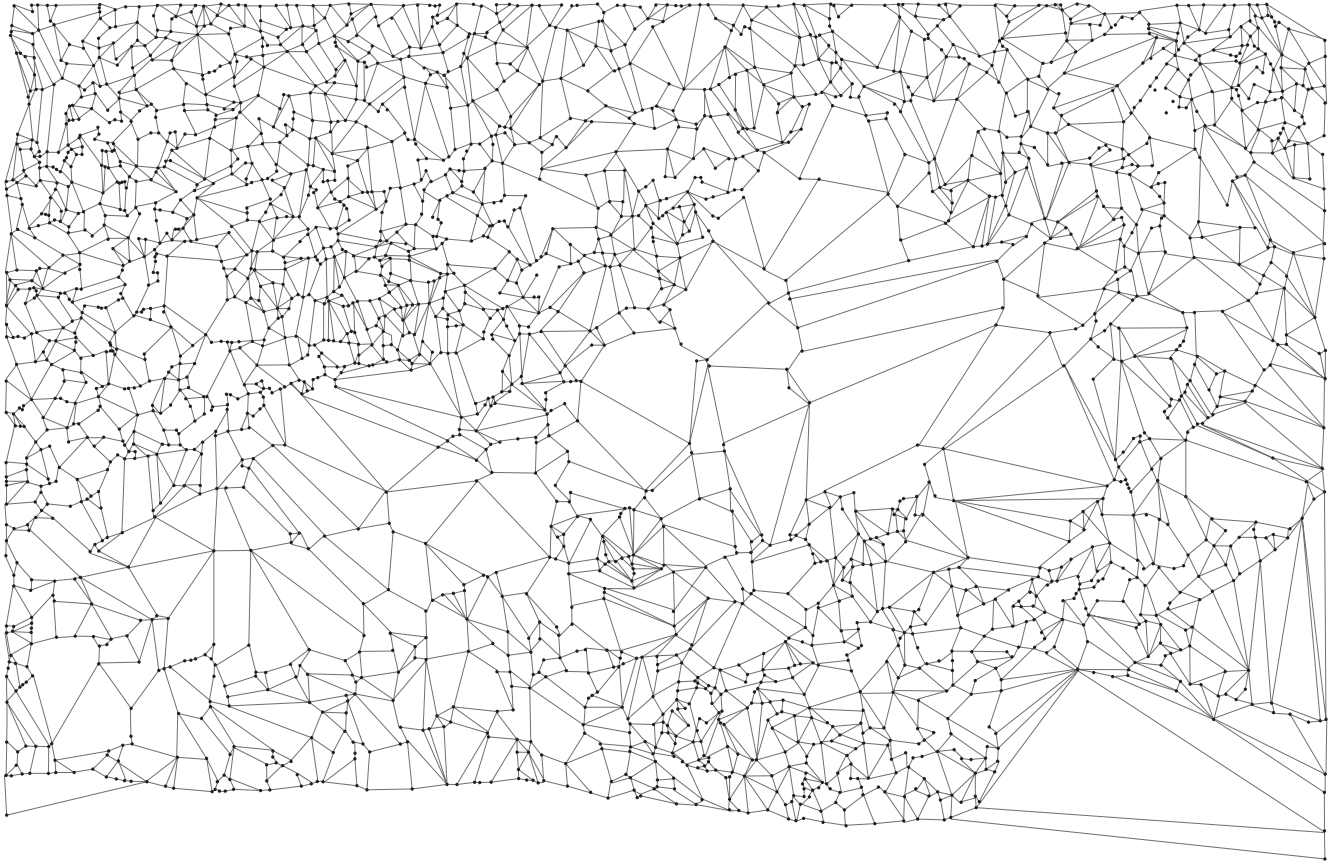
ENTWICKLUNG GEOMETRISCHES DESIGN

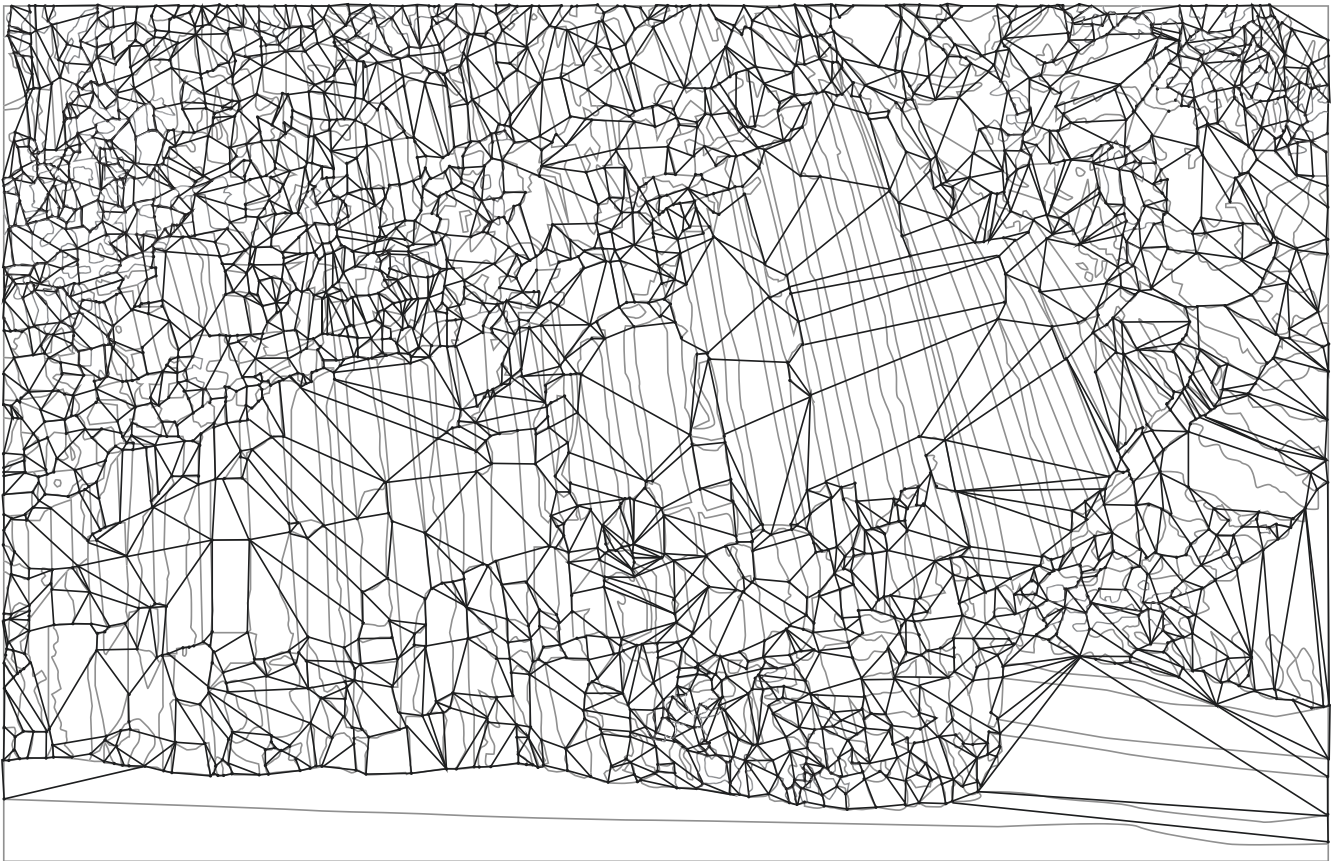
PFADSCHNITTSTELLEN MARKIEREN





PFADSCHNITTSTELLEN NEU VERBINDEN UND ERGEBNISSE ÜBERLAGERN

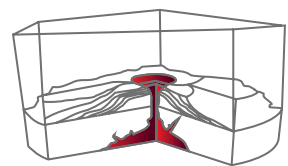




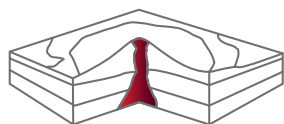
MODELLBAU AUS ZEICHNUNGEN

OBJEKTE

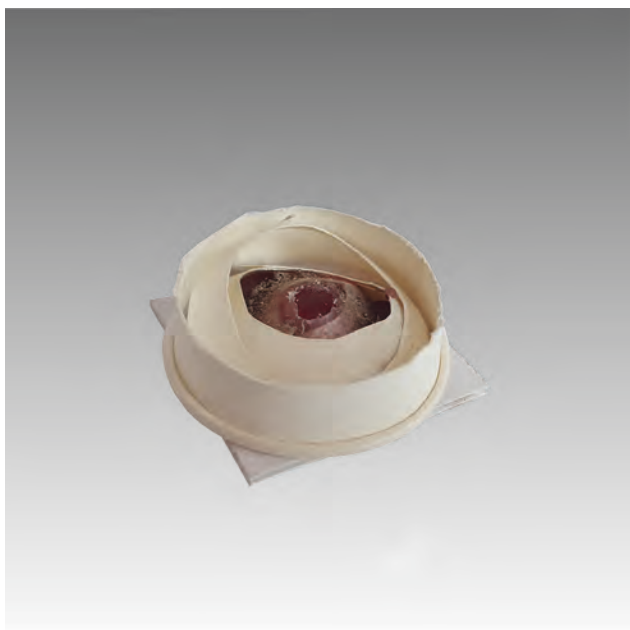
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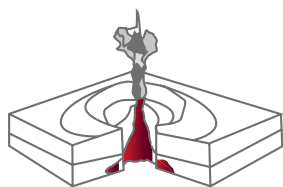


02



03





04



05

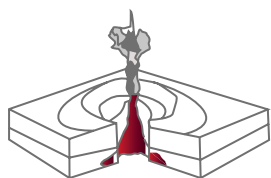


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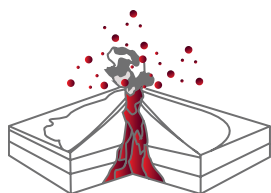


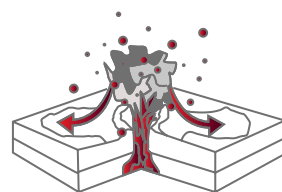
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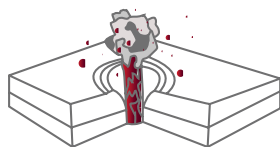


10





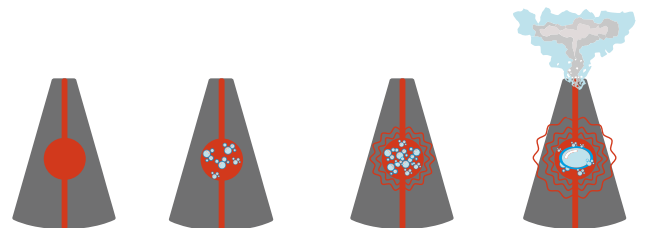
12



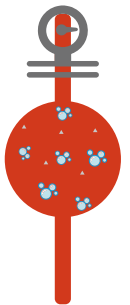
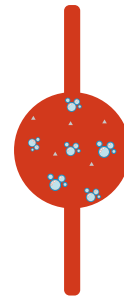










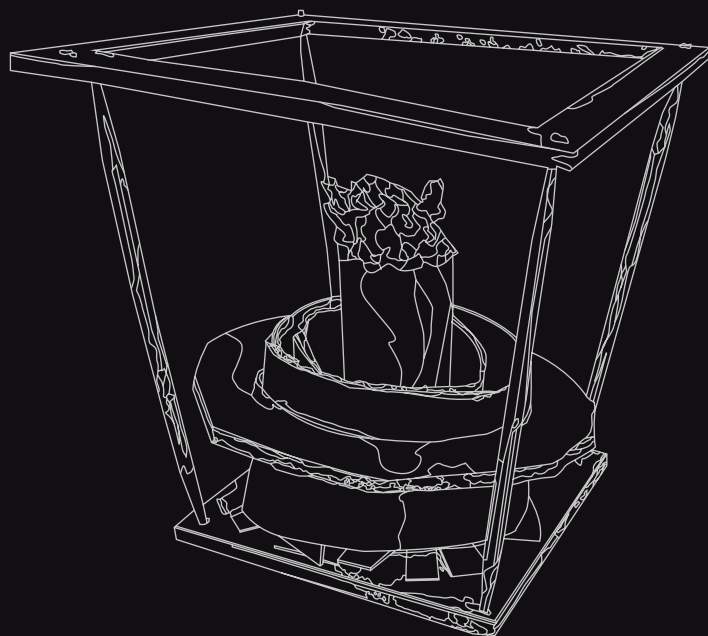
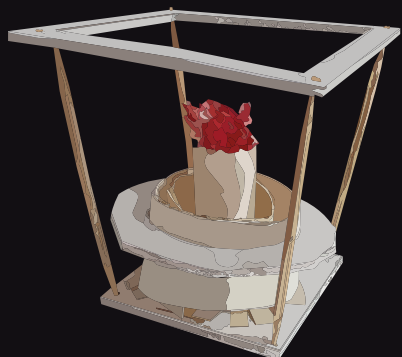


WEITERVERARBEITUNG MODELLE

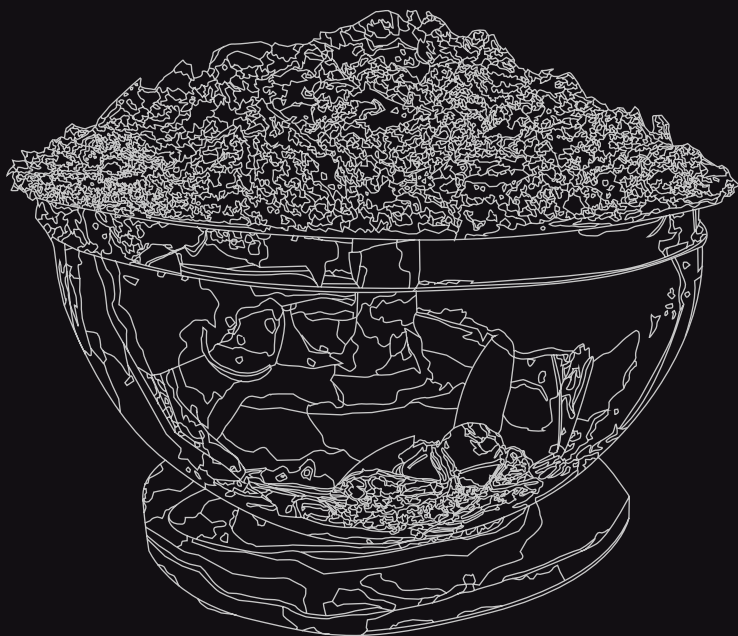
MODELLE VEKTORISIEREN

01

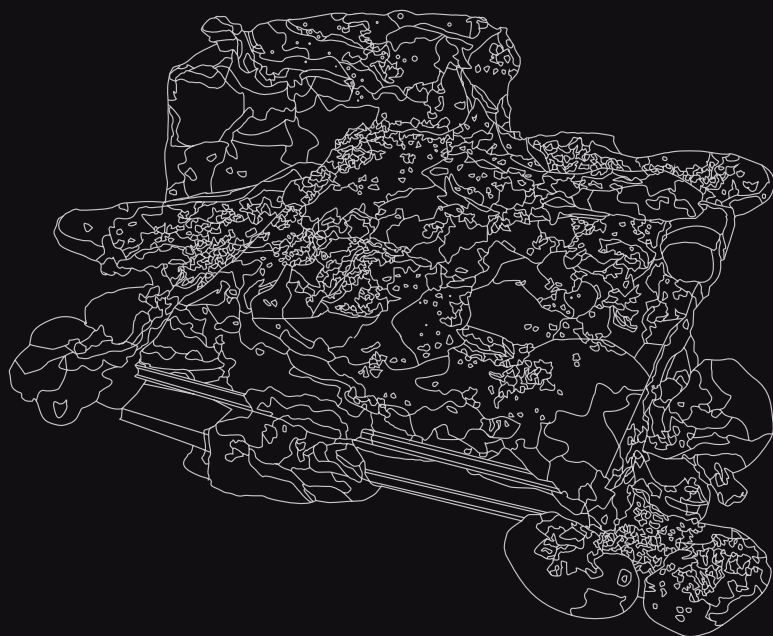
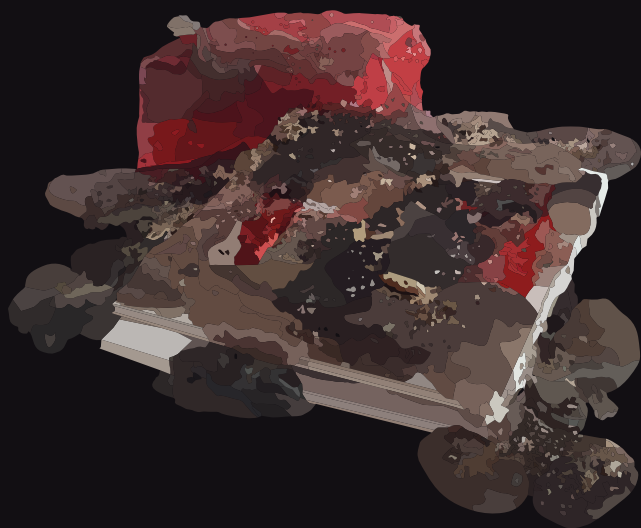




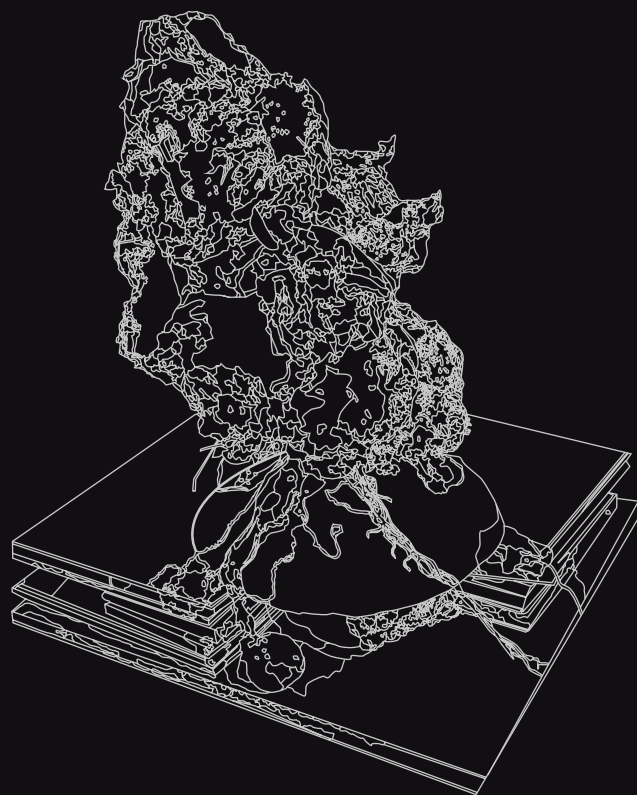
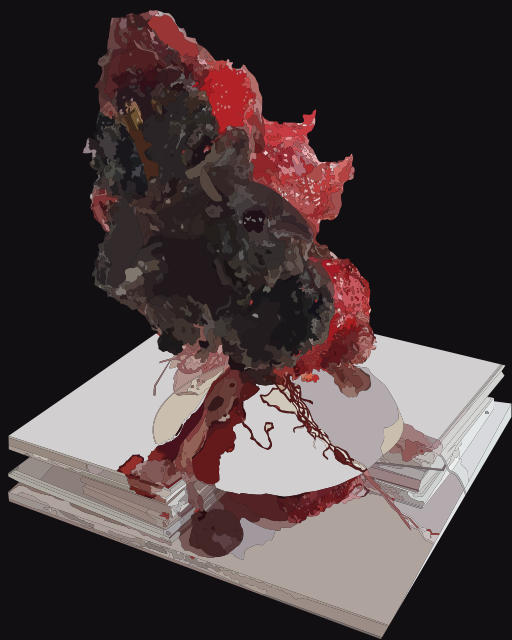








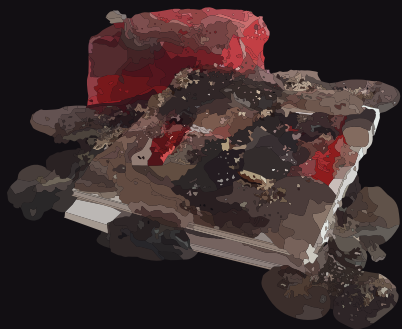




ANWENDUNG DIGITALDRUCK

POLY GEORGETTE 65 G/M²

07

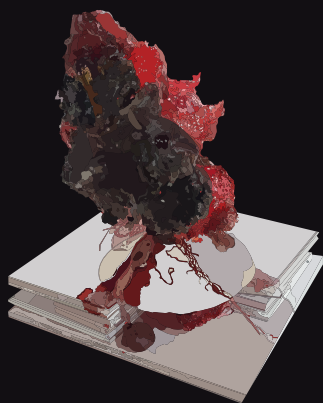


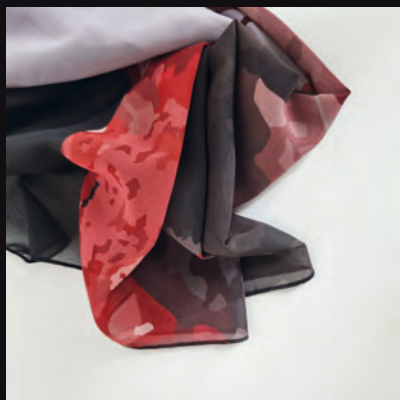




CREPE DE CHINE (POLY) 85 G/M²

08









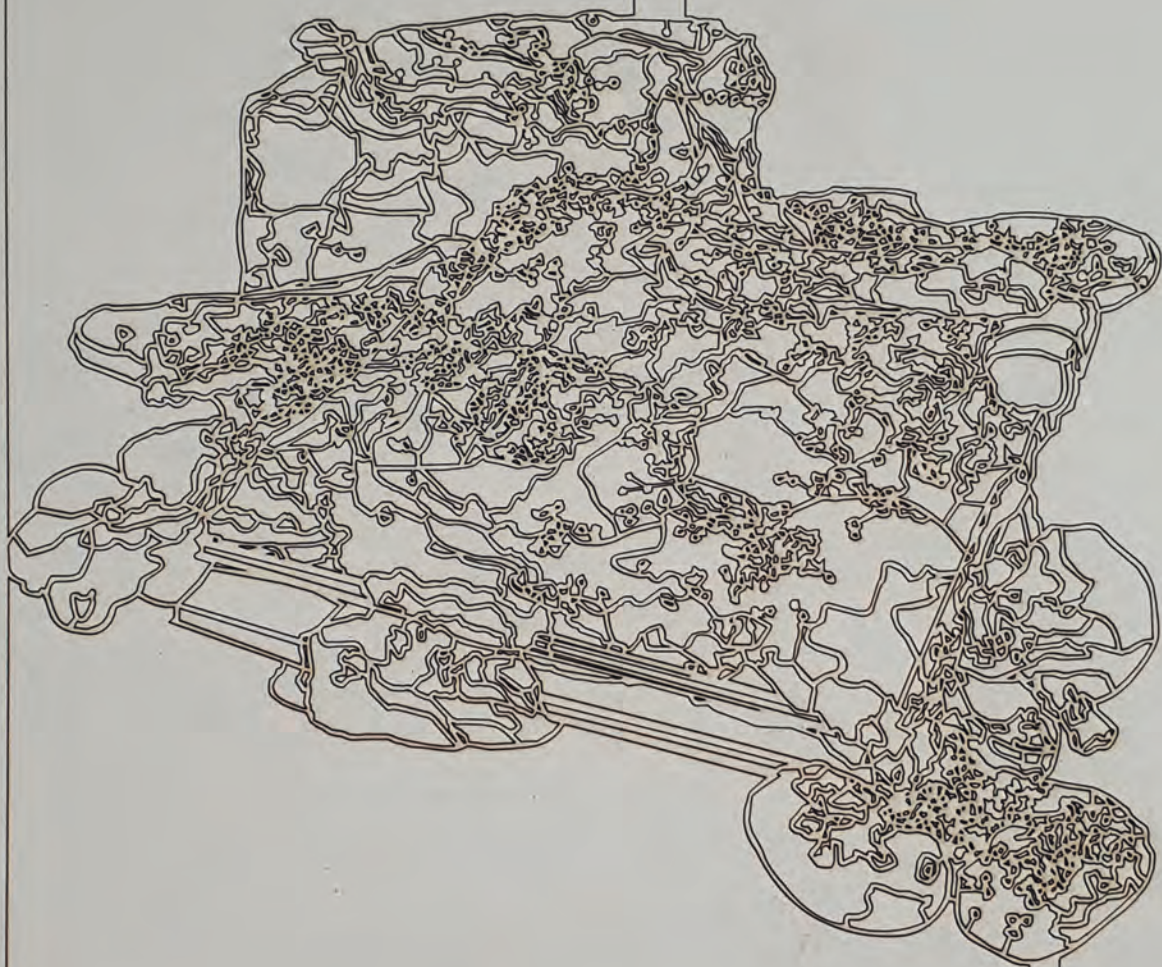
LASERCUT MODELL 07

FINNPAPPE, 3mm

Graviert Ausschnitt

Das Ergebnis zeigt einen Ausschnitt aus der Vektorgrafik zu Modell sieben. Ursprünglich sollte die komplette Grafik ausgecuttet werden. Allerdings entsprachen die Lasercuteinstellungen nicht dem Material, sodass die Intensität des Lasercutters nicht ausreichend war, um durch die 3mm dicke Finnpappe durchzuschneiden. Deswegen wurde das Material nur graviert. Dies entsprach aber nicht der geplanten Umsetzung, sodass der Lasercutvorgang abgebrochen wurde. Dennoch ist dieses unfertige Ergebnis besonders ästhetisch.





Cutout Gesamtgrafik







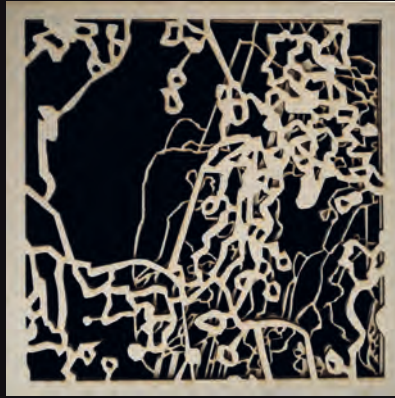
FINNPAPPE, 1mm

Ausschnitte



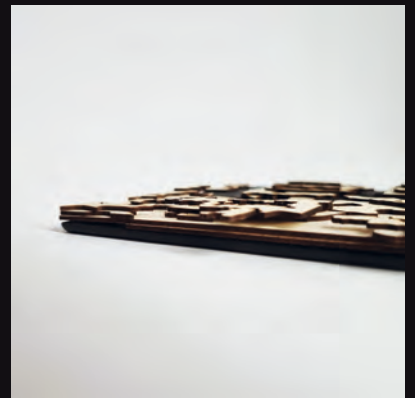






Lasercutreste







FILZ, 1mm

Ausschnitt

Bei diesem Cutoutprozess wurde eine hellrote, mittelrote und dunkelrote Filzschicht überlagert und gleichzeitig ausgecuttet. Ziel war es Zeit zu sparen und mehr Ergebnisse auf einmal zu erzielen. Allerdings war der Filz zu fein für diesen Prozess, sodass die einzelnen Schichten nach Fertigstellung des Auscuttens nicht mehr separiert werden konnten. In Folge dessen entstand ein Bild mit unterschiedlichen Höhenstrukturen und Farbvariationen.





LASERGRAVUR

ACRYLGLAS 3MM

Ausschnitt





BAUPLANERSTELLUNG

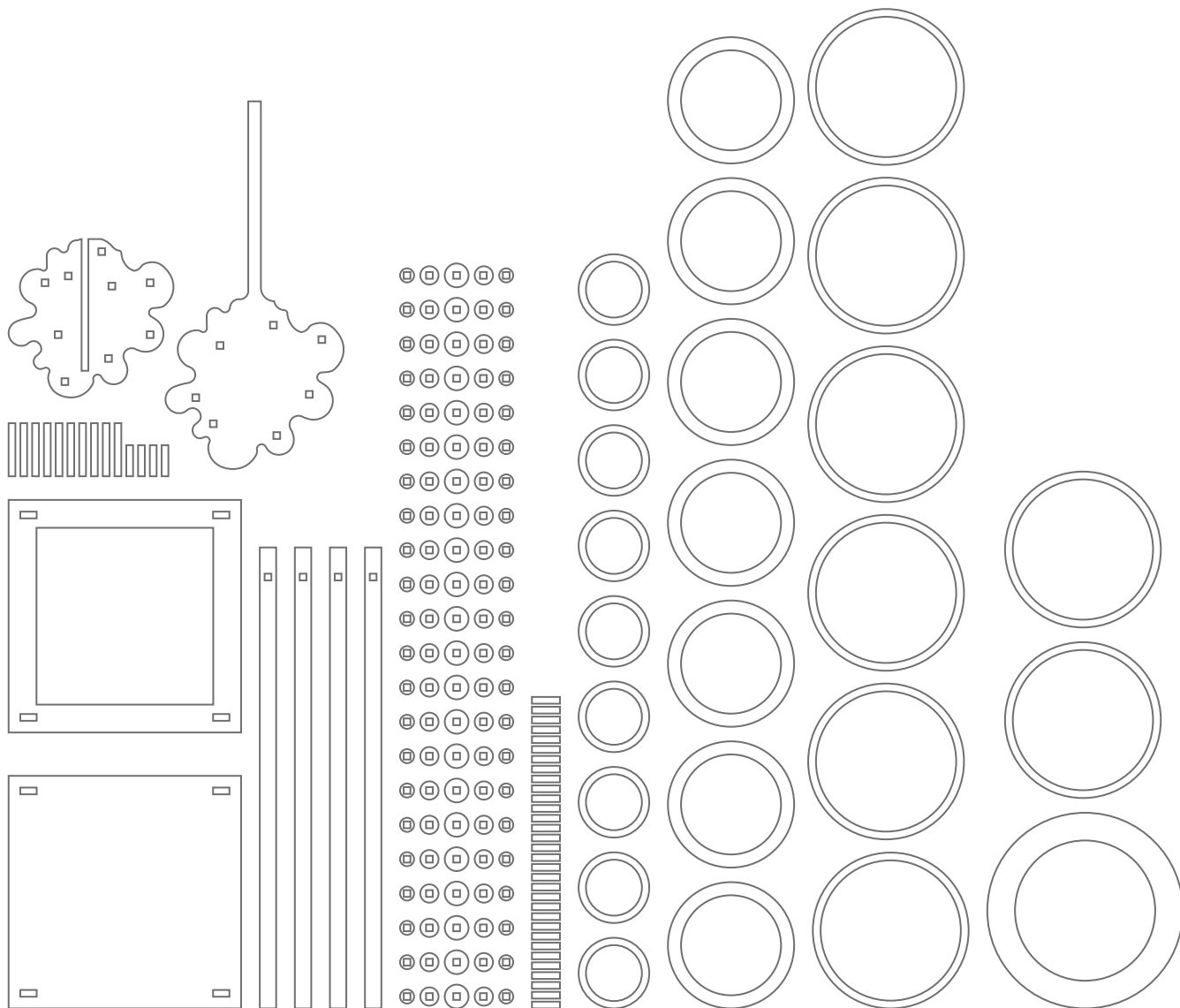
ORGANISCH WIRD GEOMETRISCH

VOM MODELL ZUM BAUPLAN

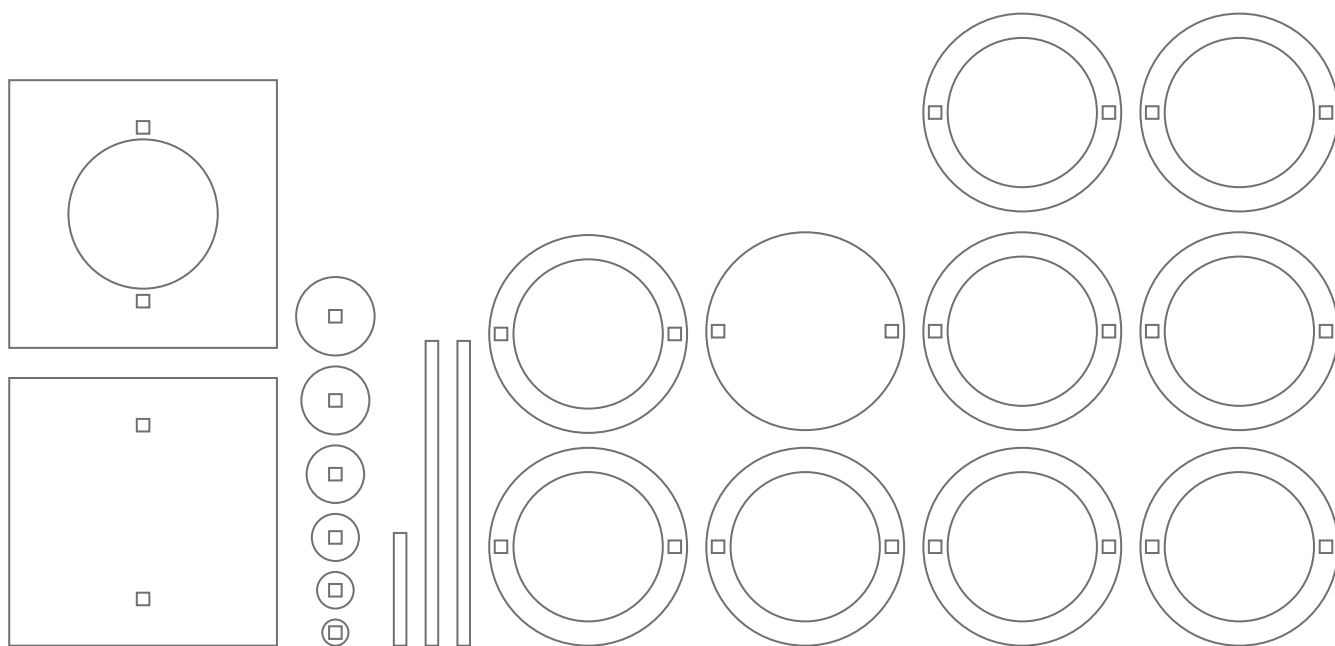
Die zweidimensionalen theoretischen Darstellungen aus dem ersten Rechercheteil der Arbeit wurden, wie bereits visualisiert, als dreidimensionale Modelle nachgebaut. Die dafür verwendeten Materialien sind Kapakarton, Holz, Draht, Wachs, Wolle und Papier. Die dabei entstandenen Objekte werden nun wieder in ihre zweidimensionalen, aber geometrischen, Grundformen zerlegt. In Folge dessen entsteht ein zum Objekt dazugehöriger Bauplan, der im nächsten Schritt präzise, mittels der Technologie Lasercut, ausgeschnitten werden kann.

01

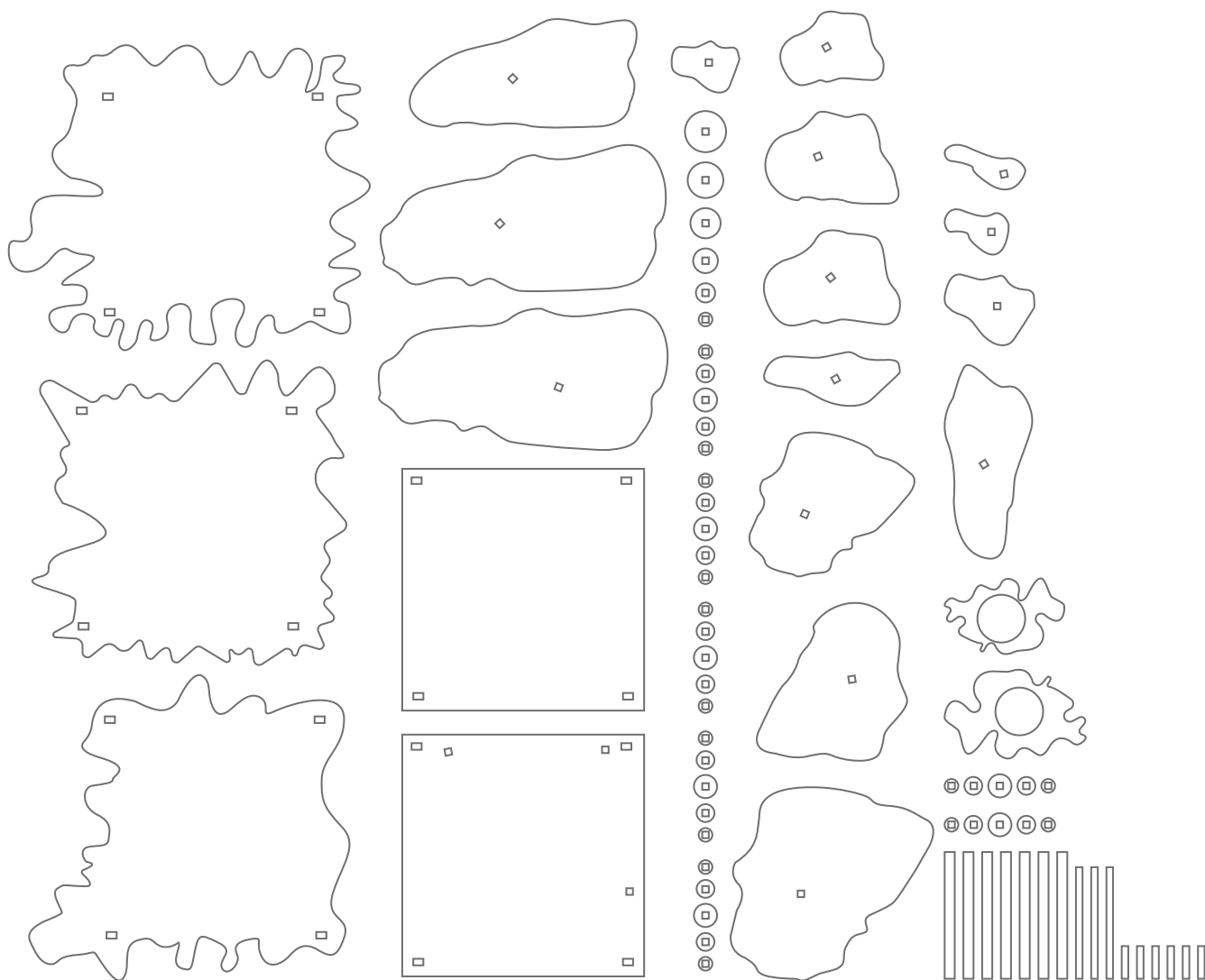




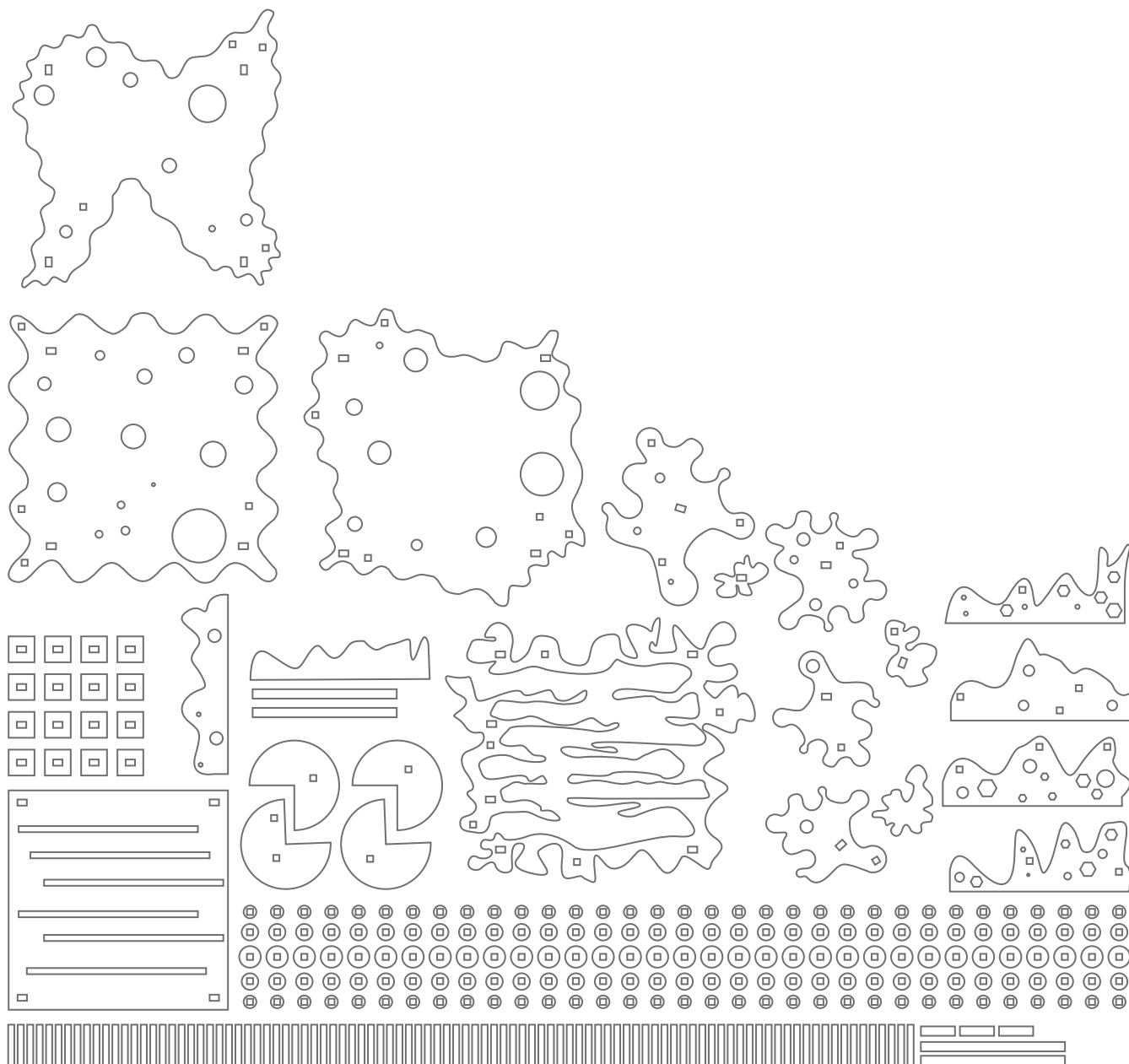




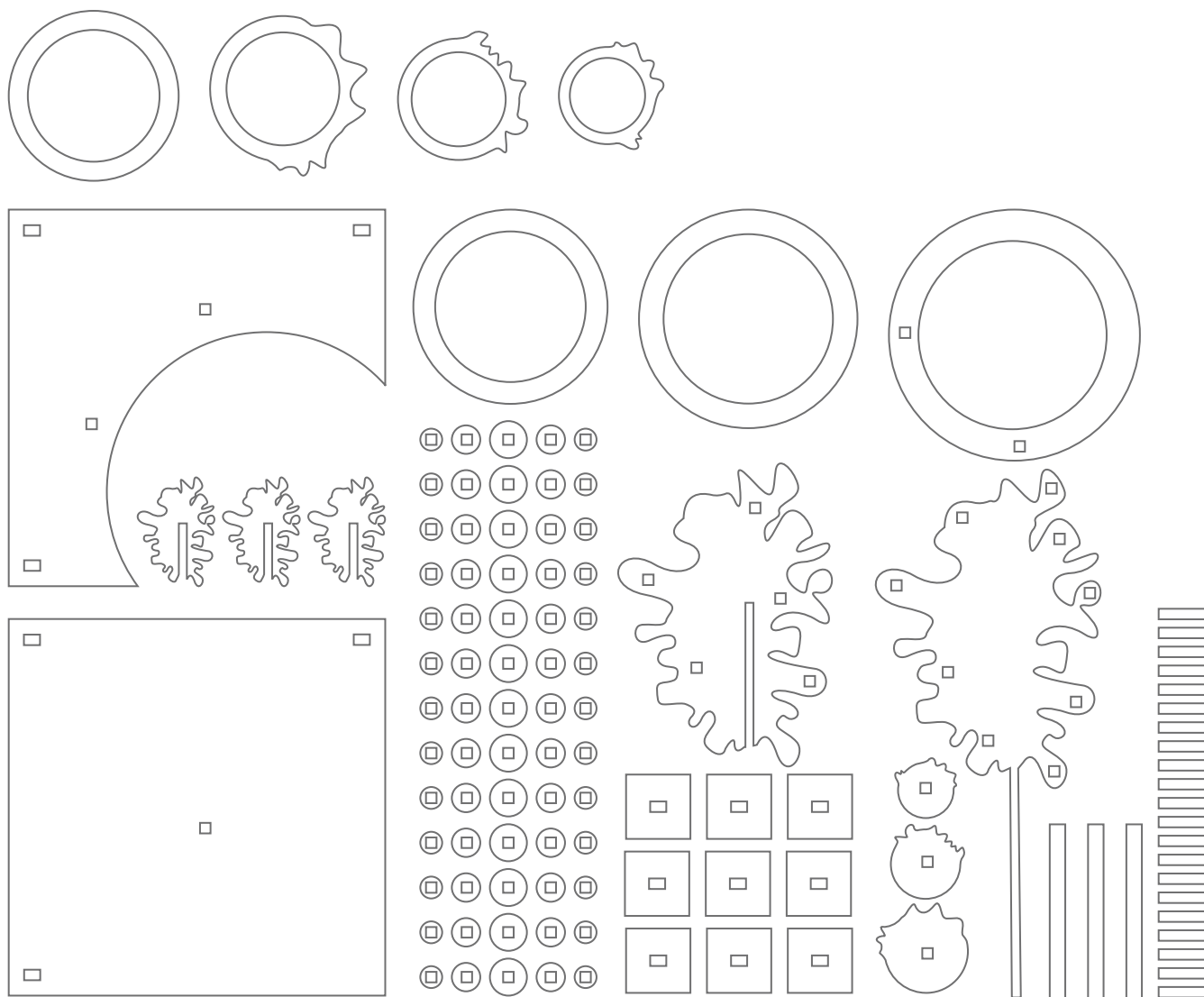




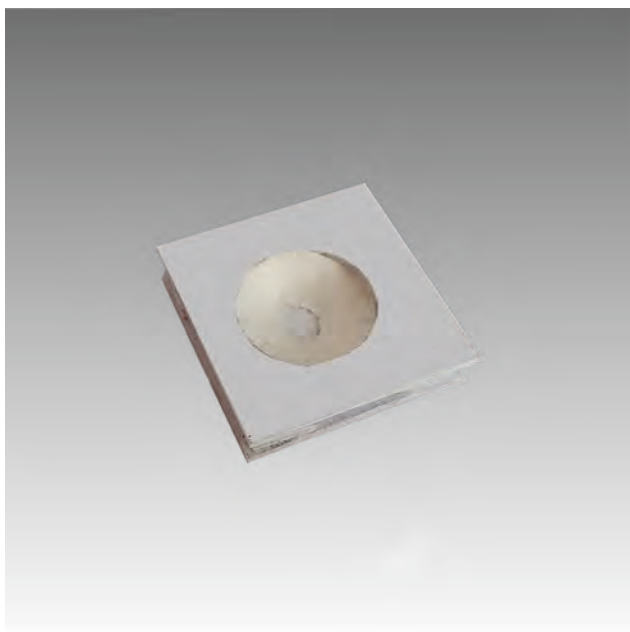


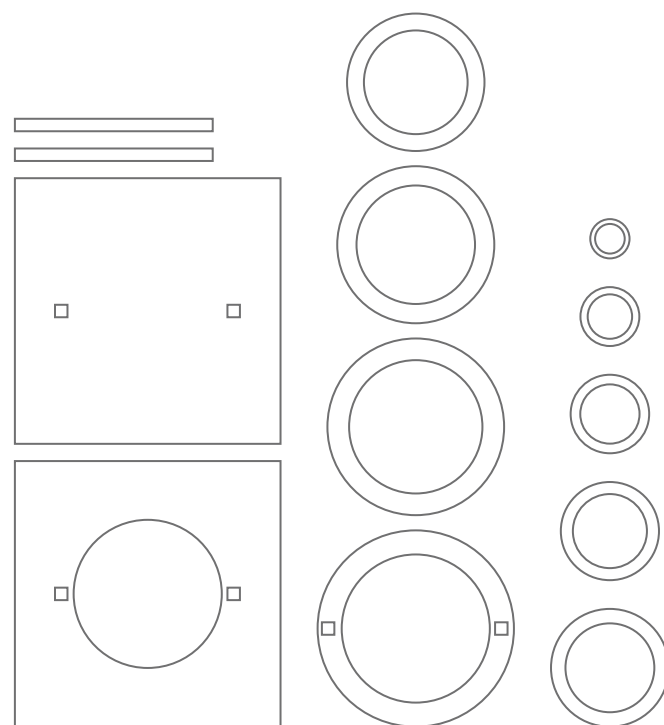




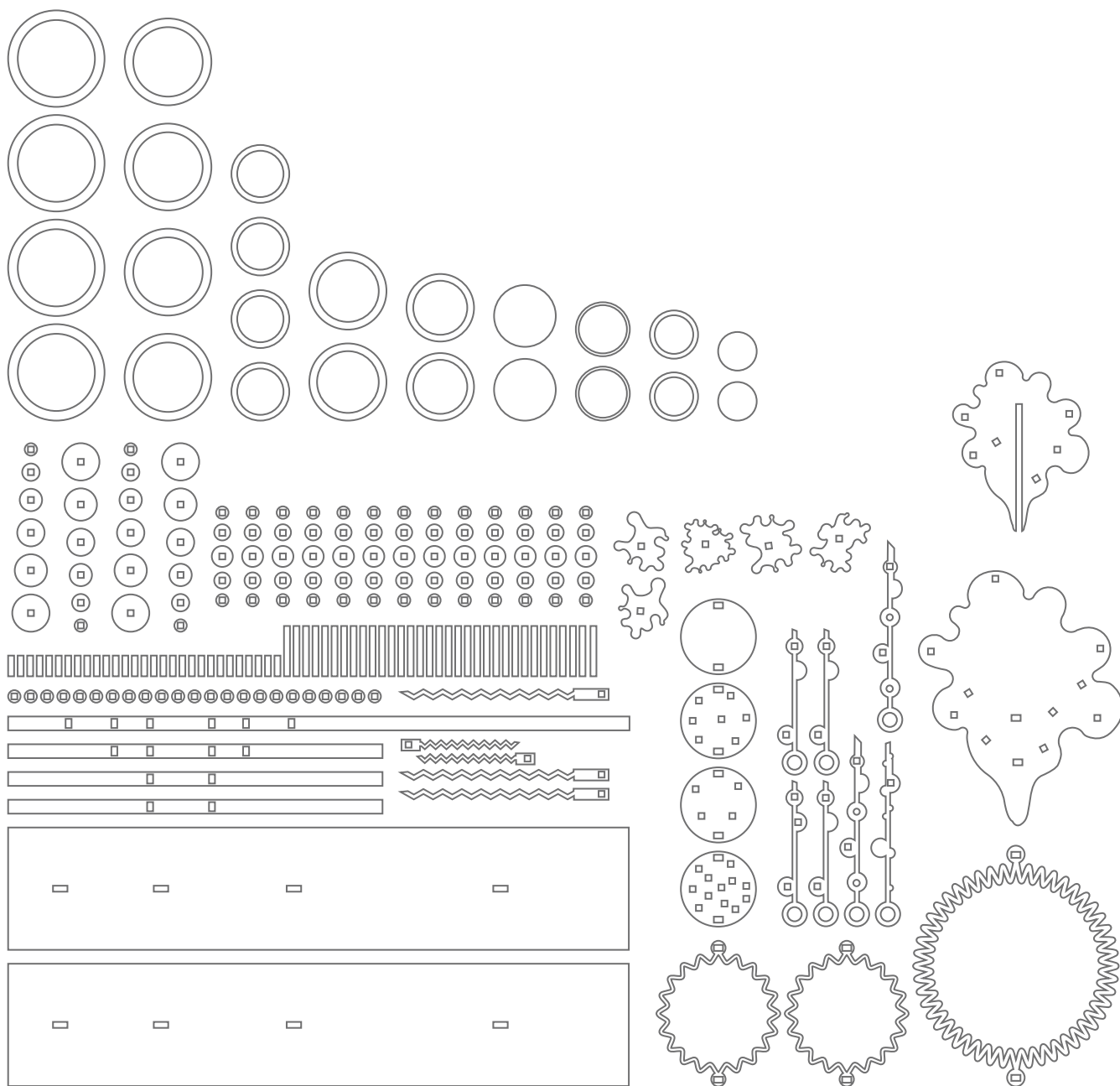




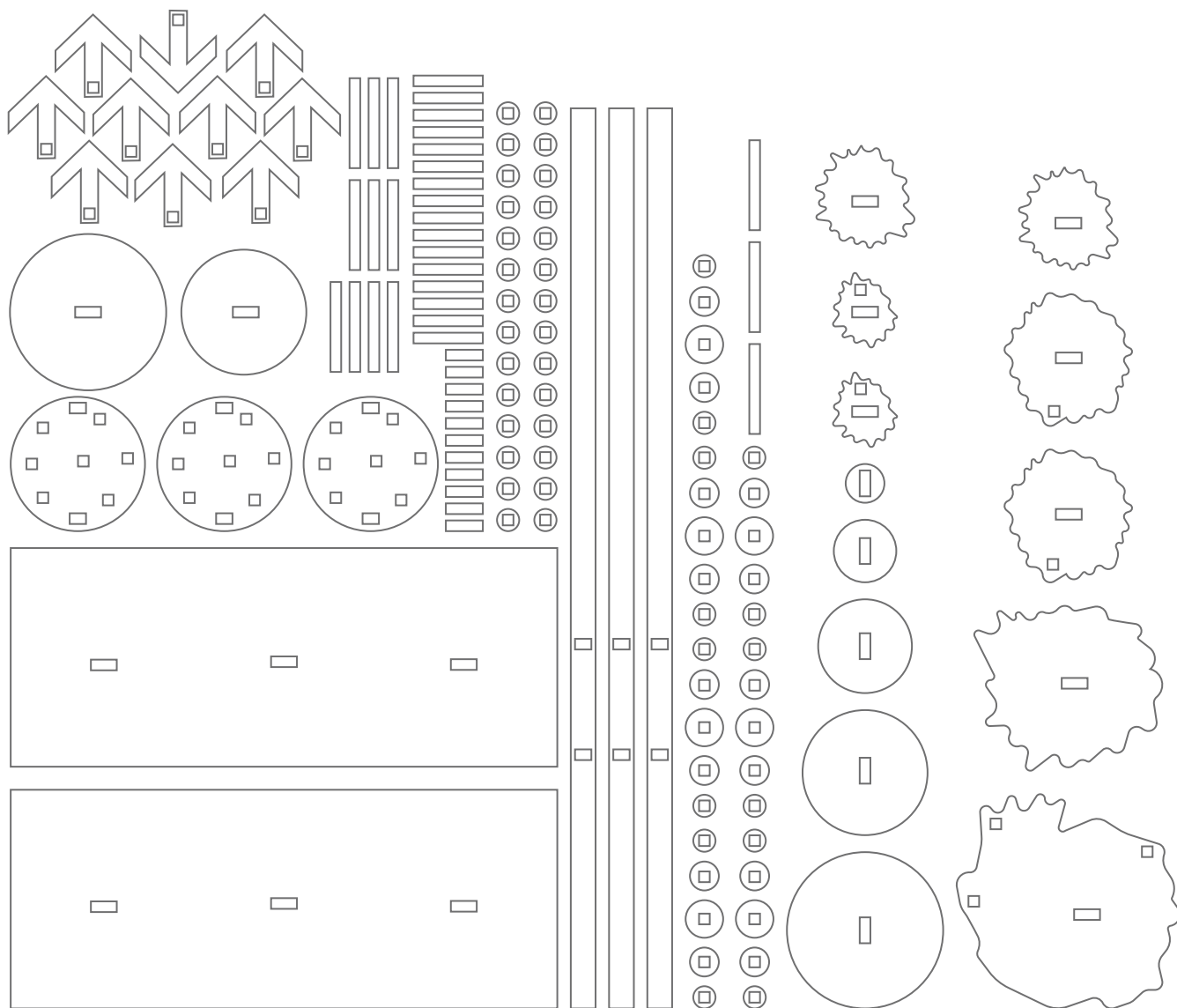










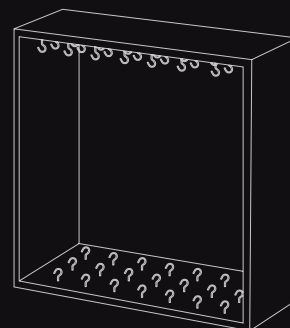
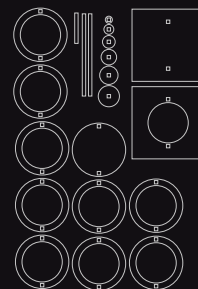


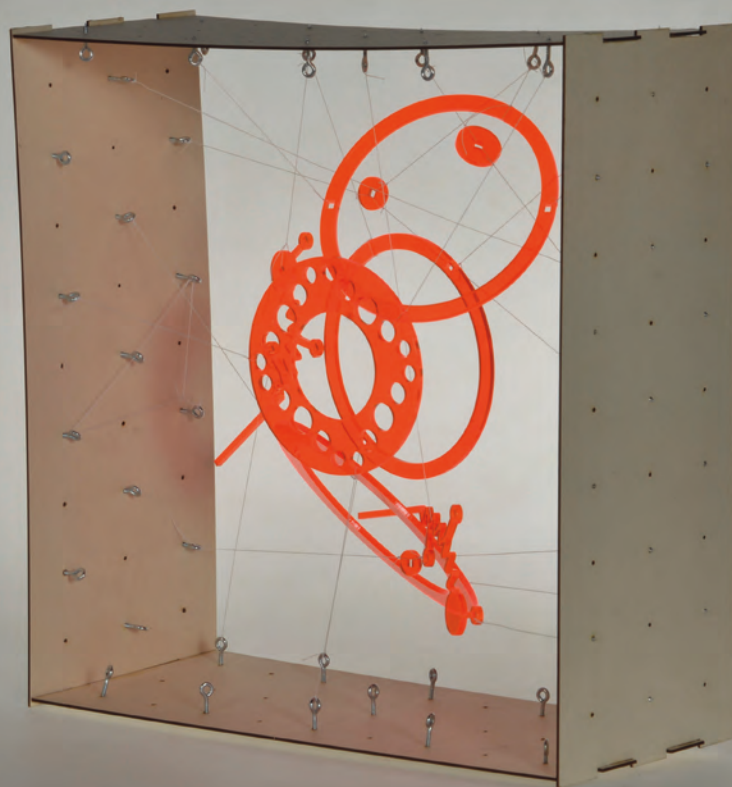
BAUPLAN FLUORESZIEREND

BAUPLANKOMBINATIONEN

BOX EINS

Beim Auscutten der Baupläne wird jedem Objekt eine eigene Farbe zugeordnet. So kann ich mehrere Baupläne miteinander kombinieren und dennoch später einzelne Elemente ihrem ursprünglichen Objekt wieder zuordnen.

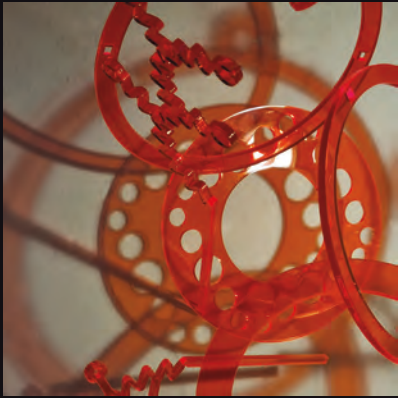


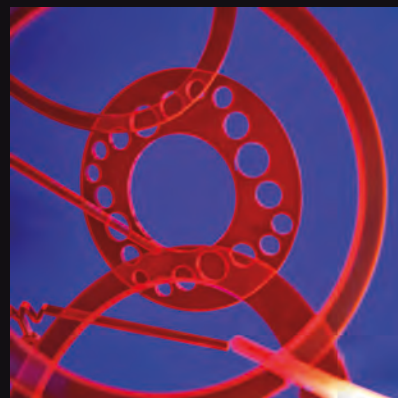


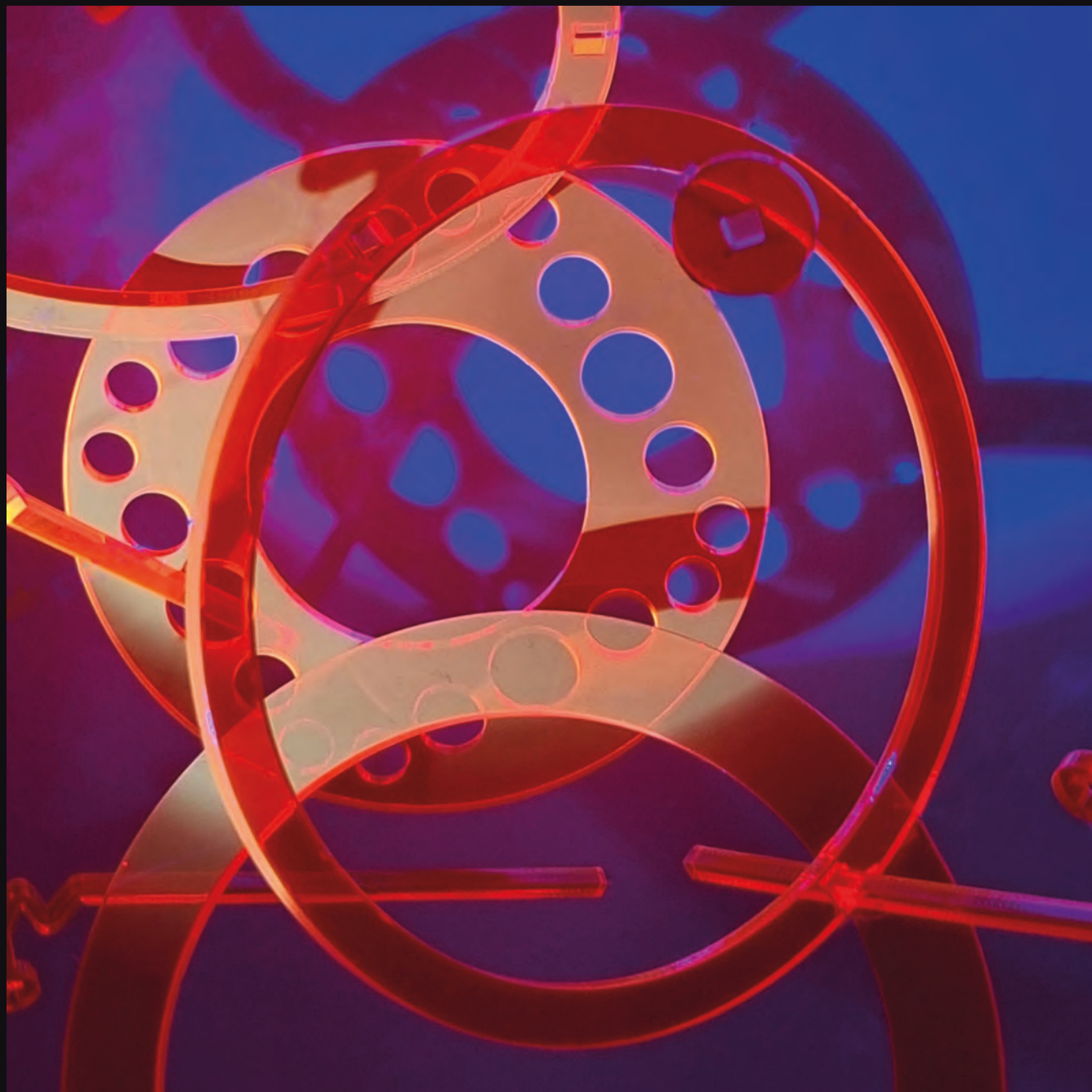


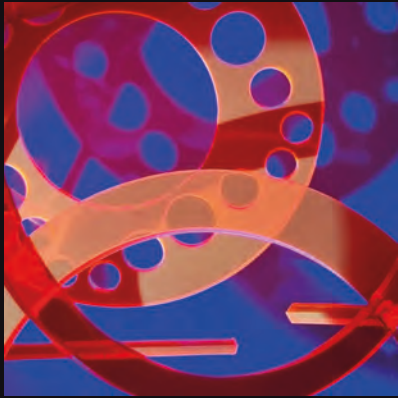


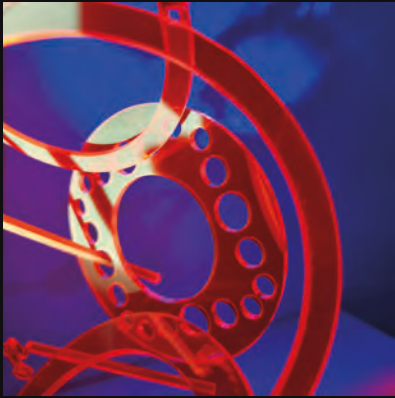




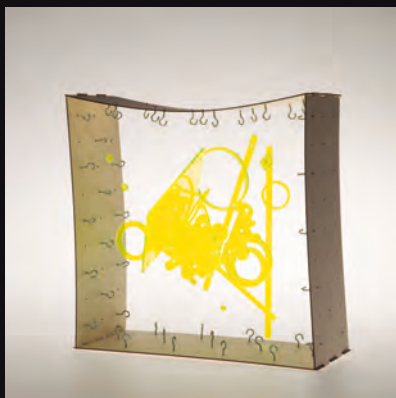




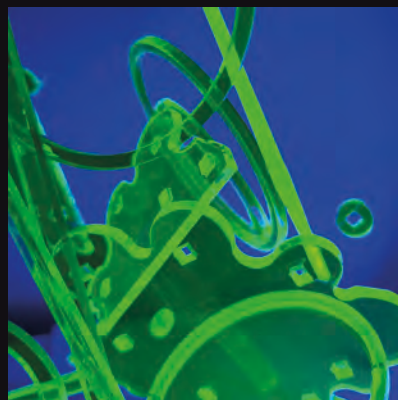
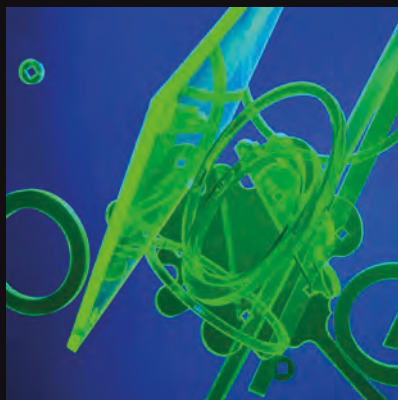
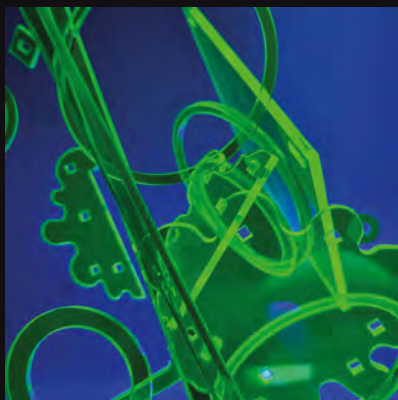


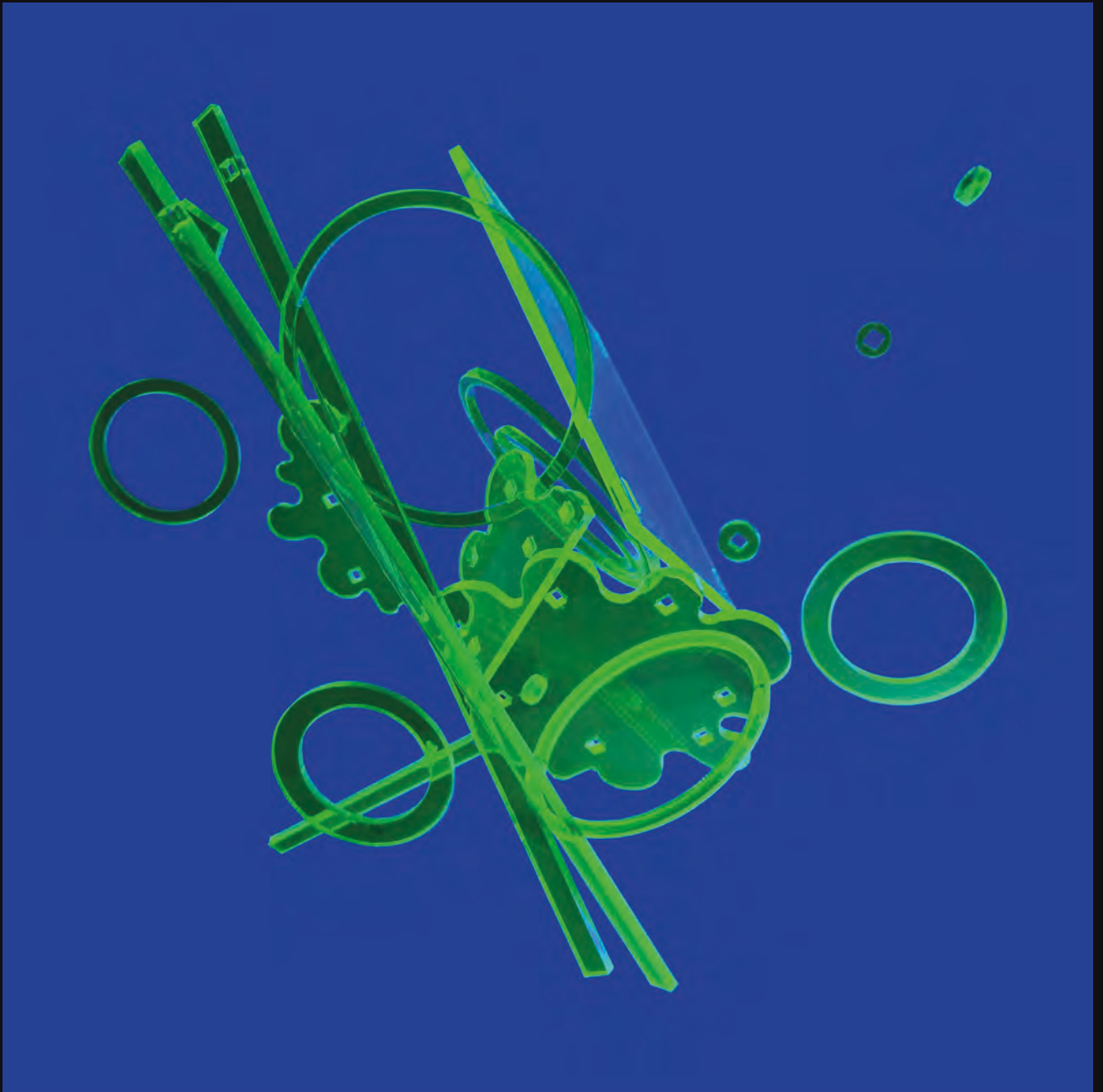


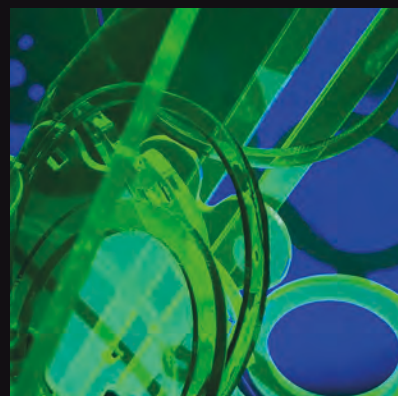
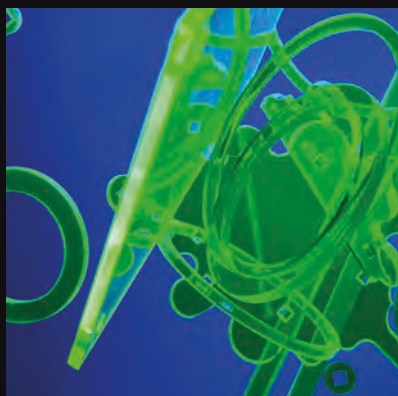
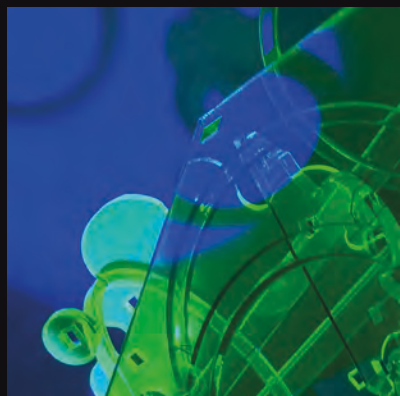
BOX ZWEI

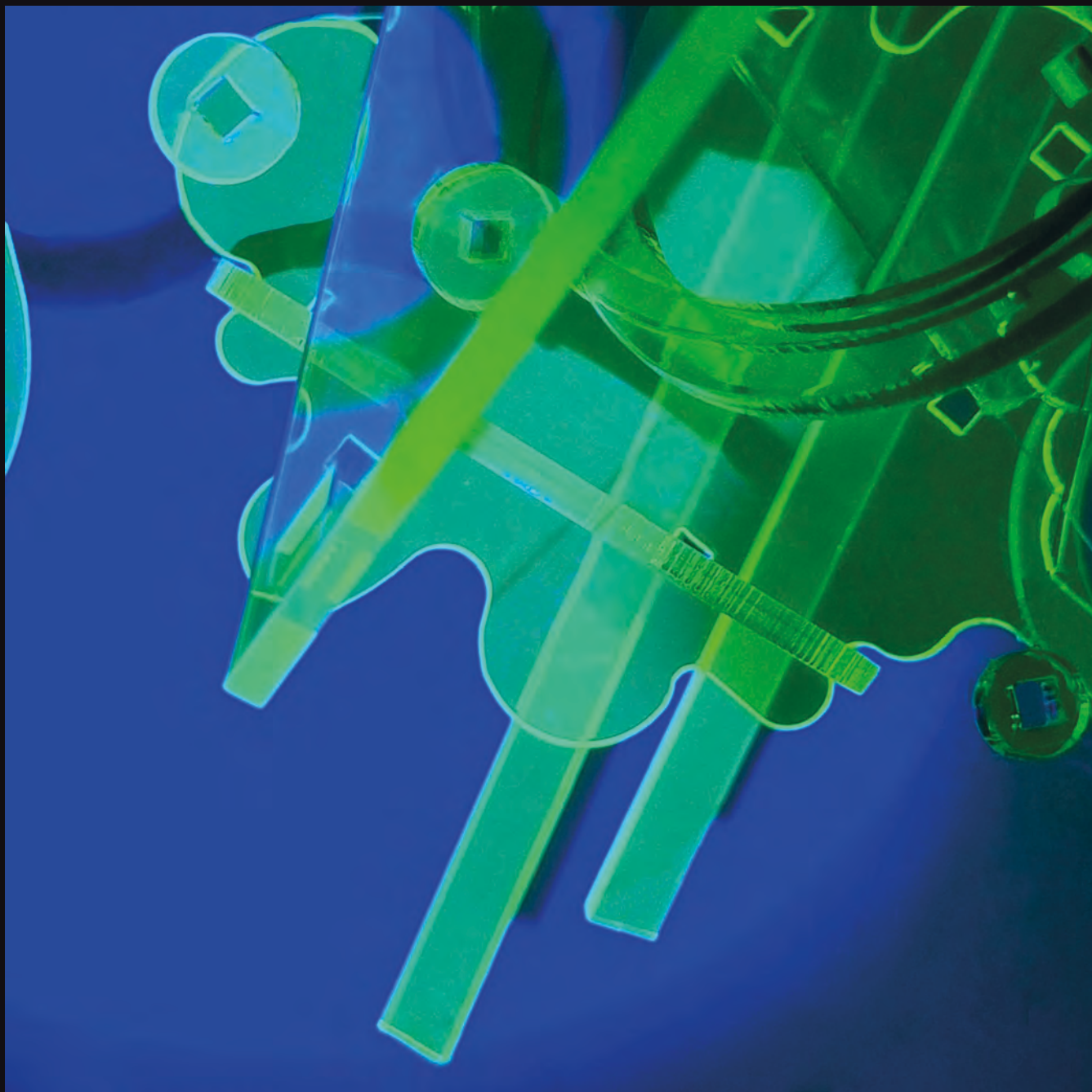


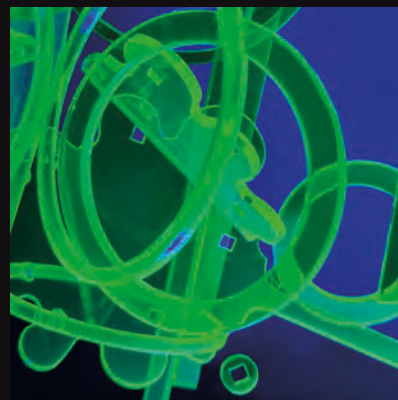
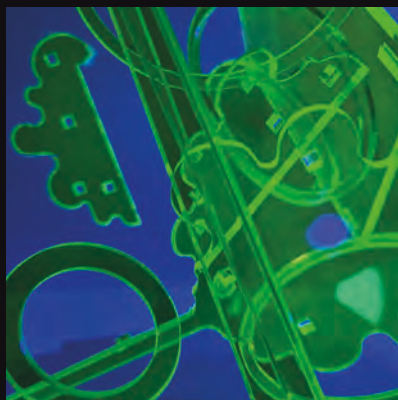
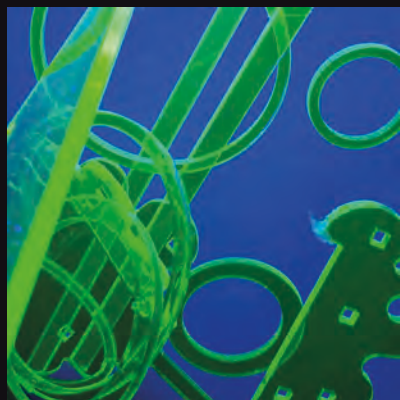


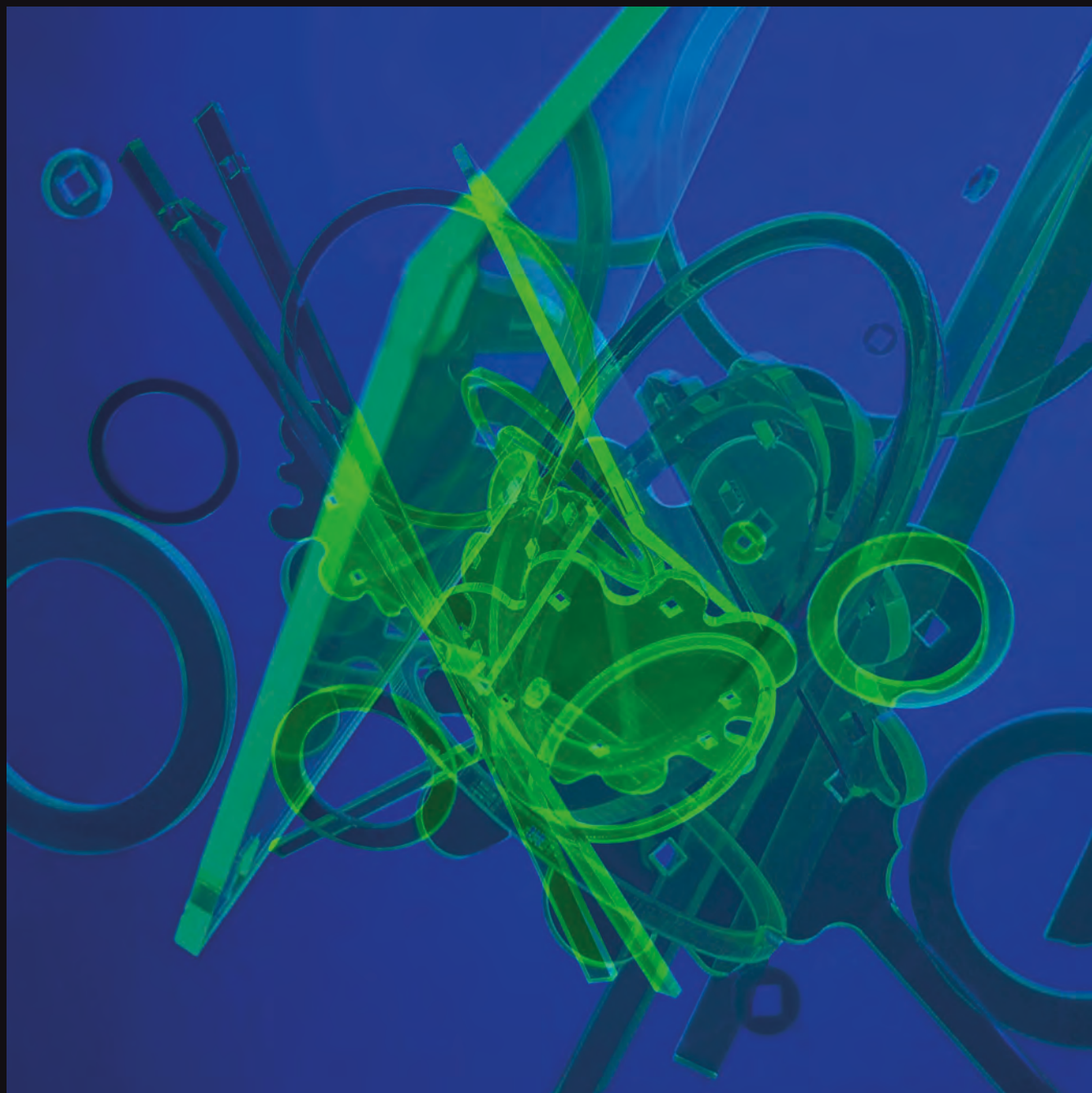






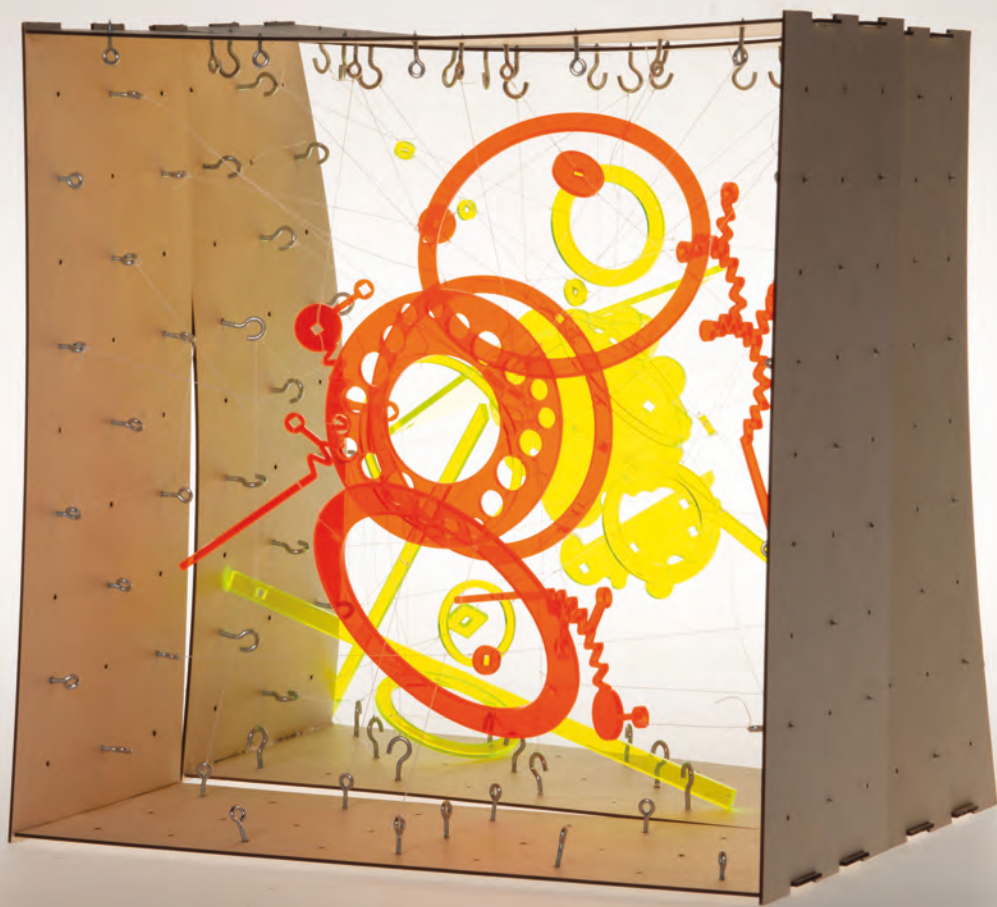


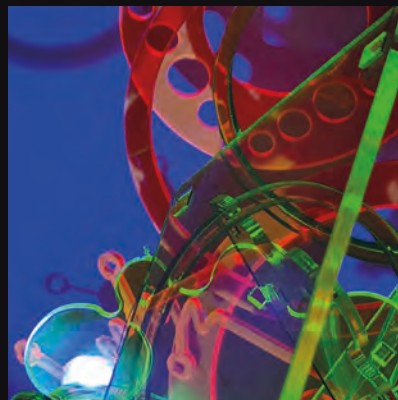
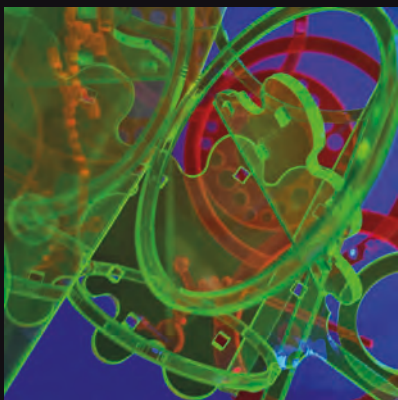
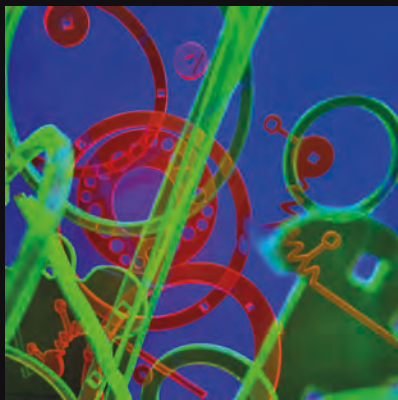




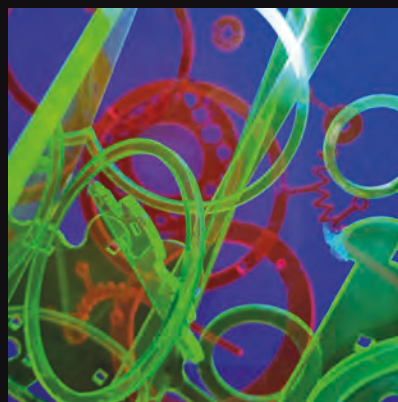
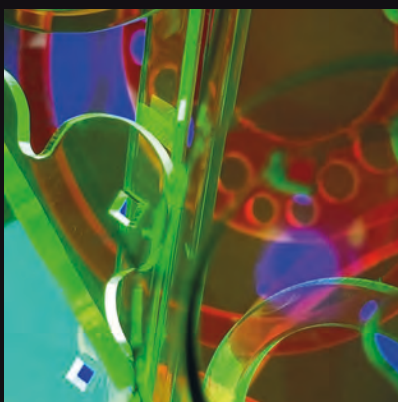
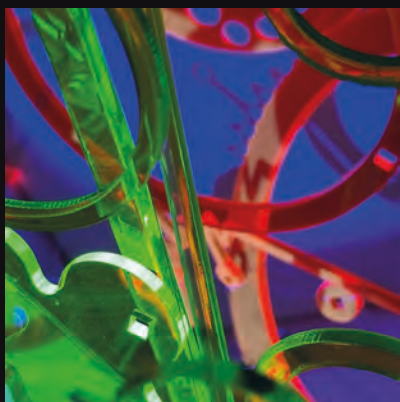
BOX EINS UND ZWEI

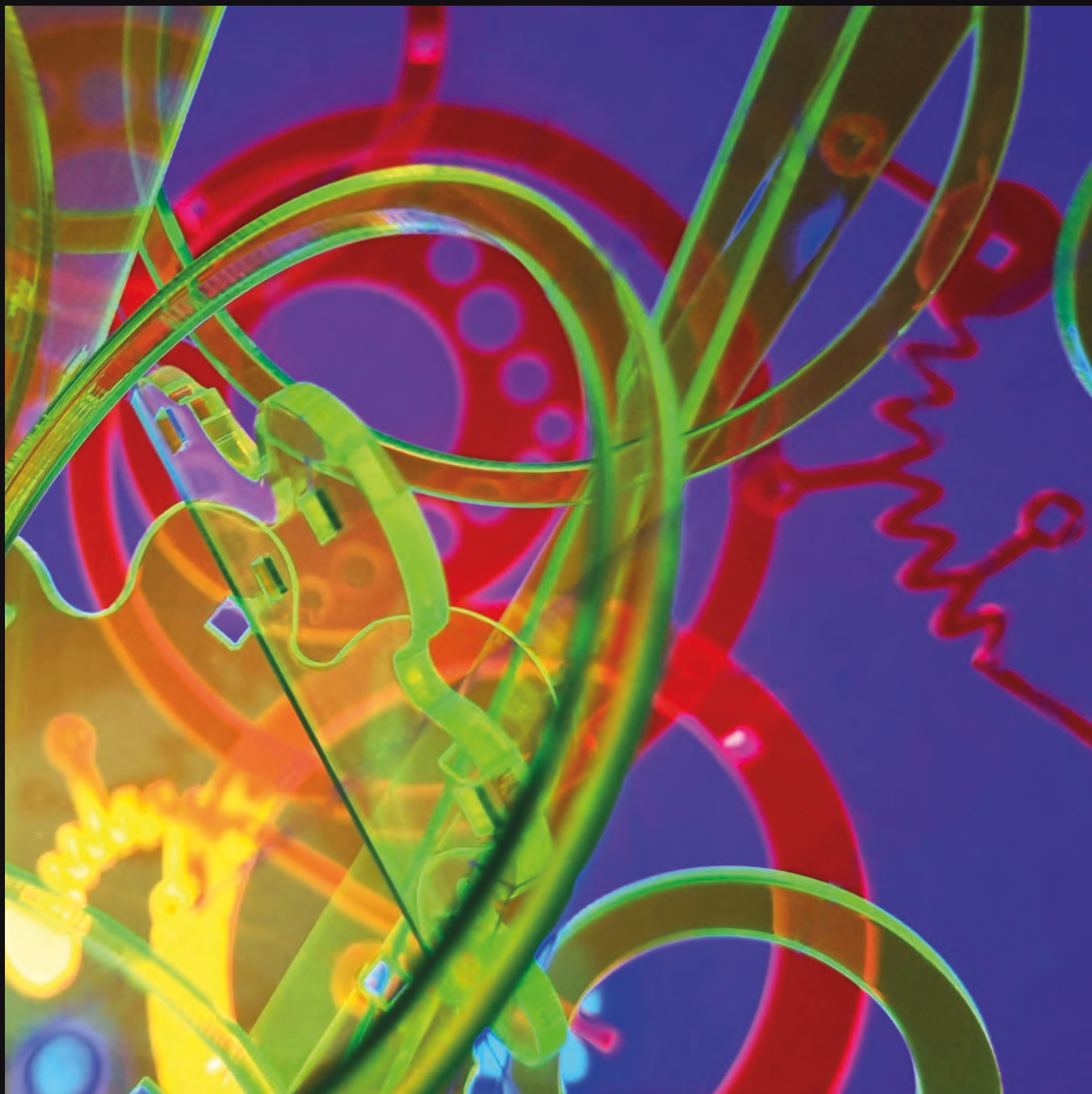






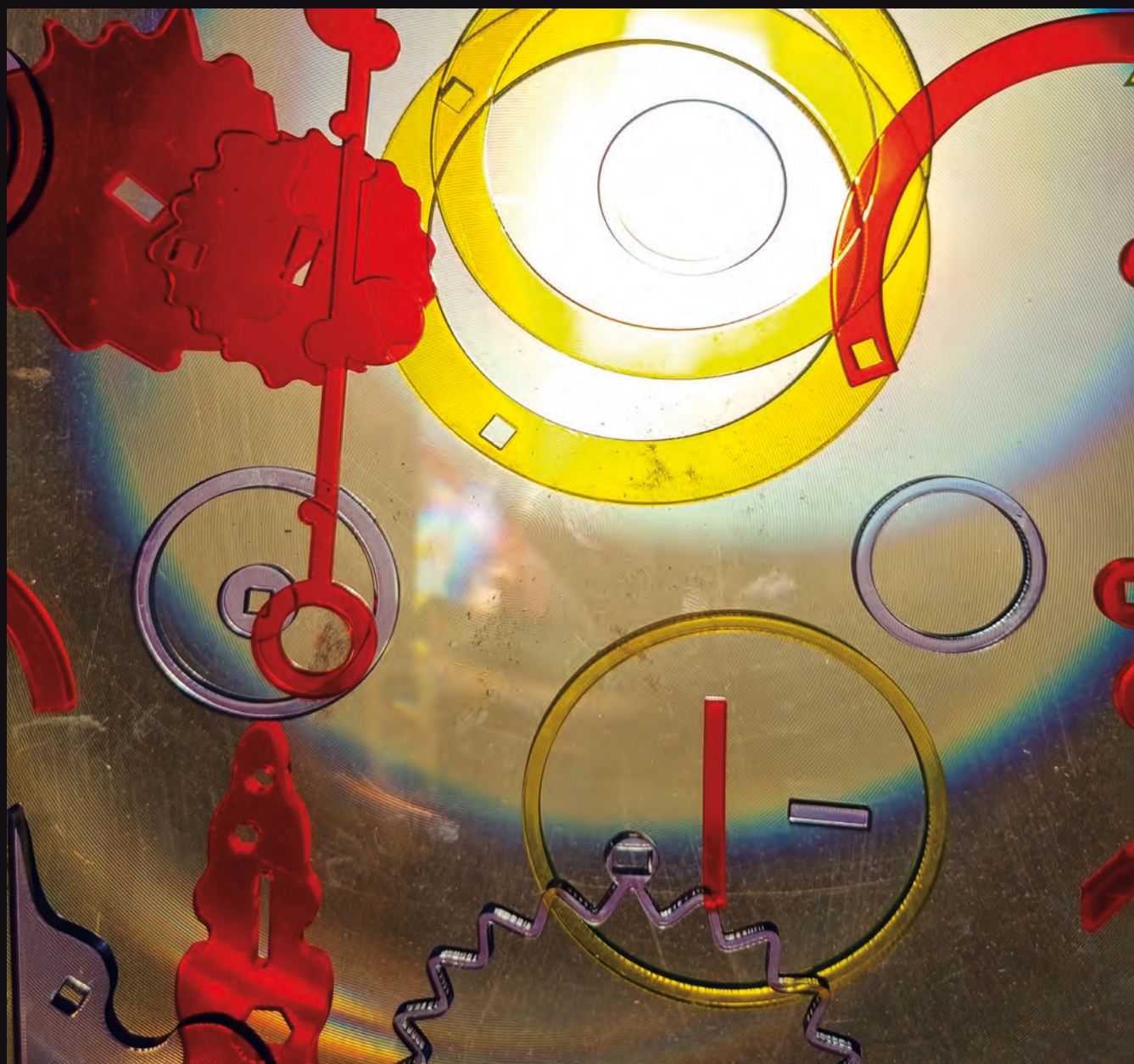


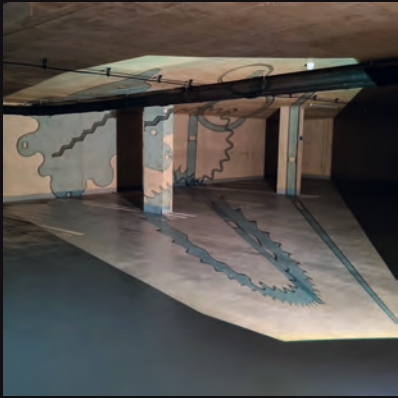




BAUPLANPROJEKTIONEN









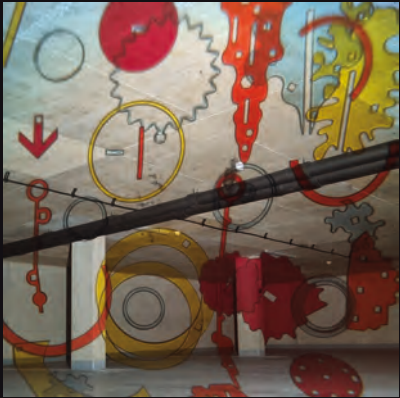




















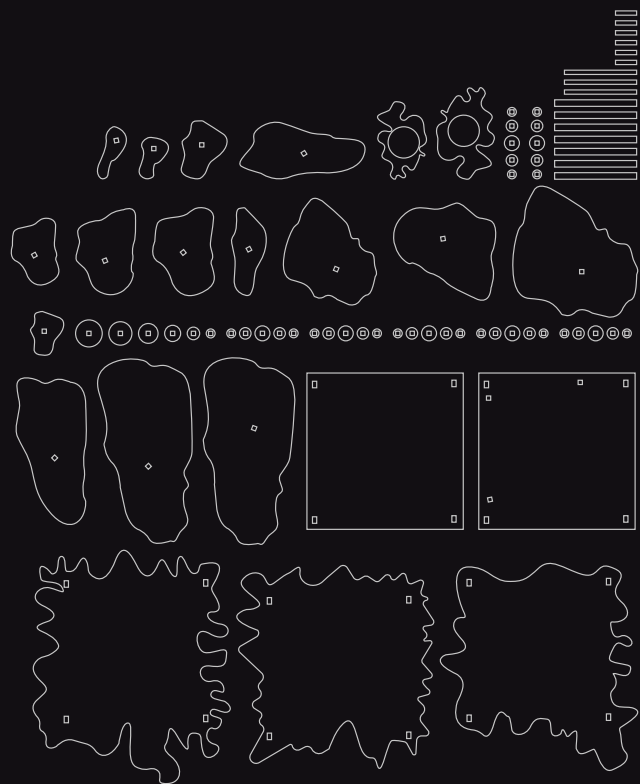








ACRYLGLASMODELLE



CUTOUT 04

EINZELTEILE



STEP BY STEP



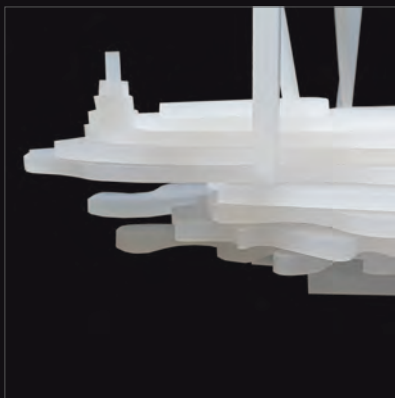


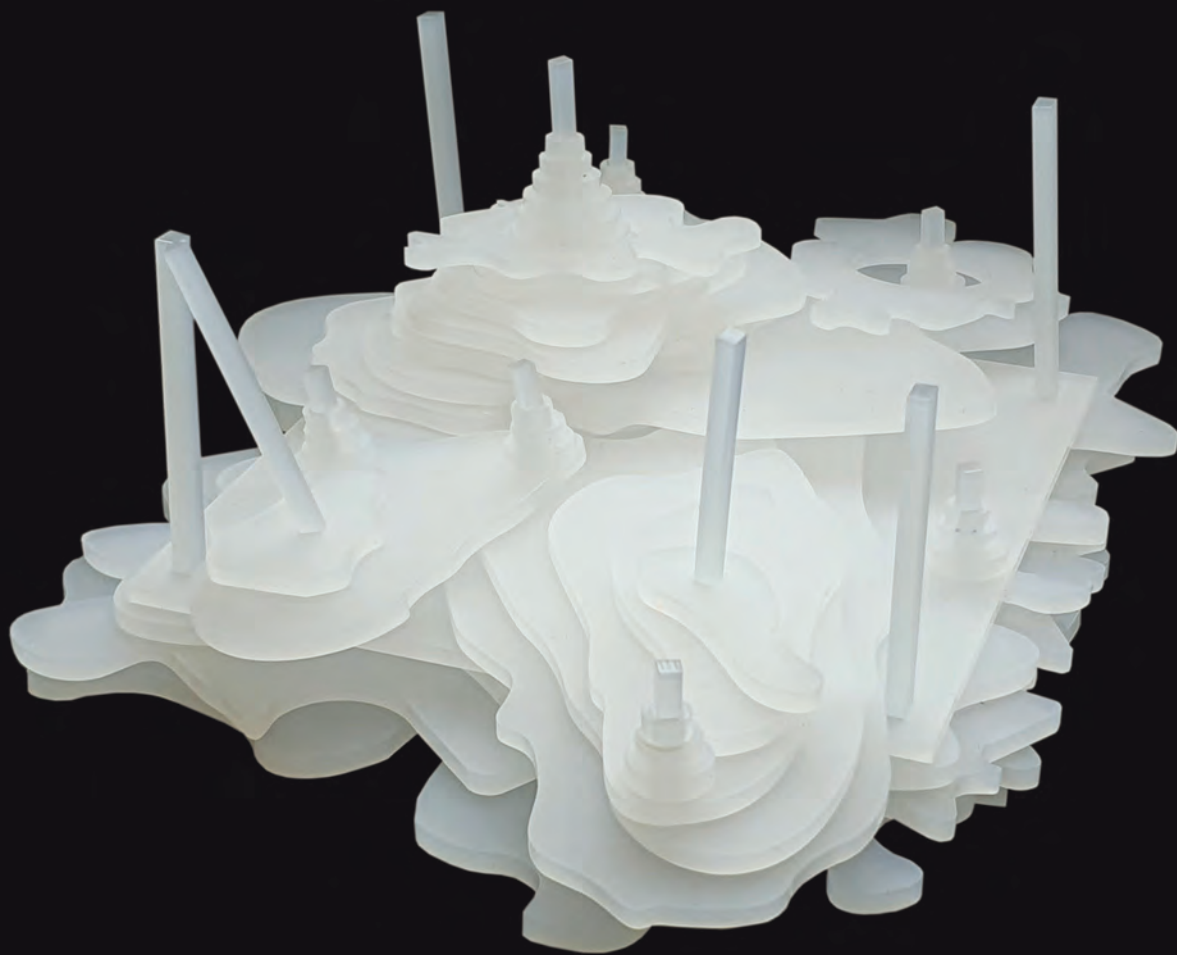




GEPLANTES OBJEKT

Gesteckt





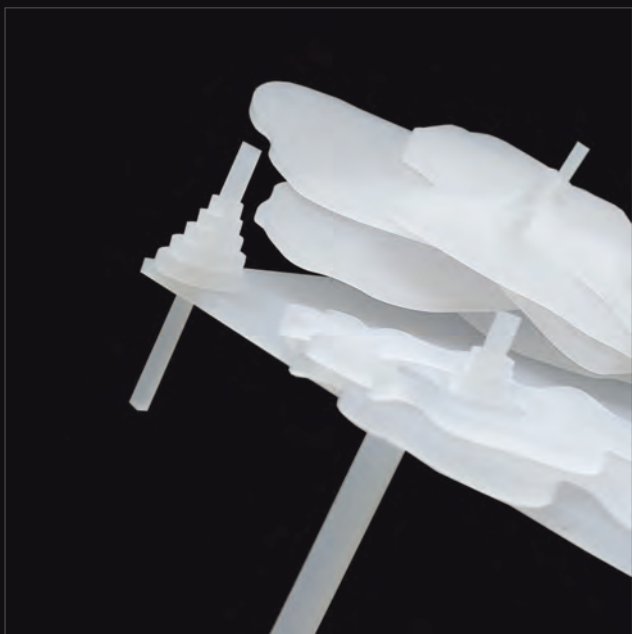
STECKVARIATIONEN

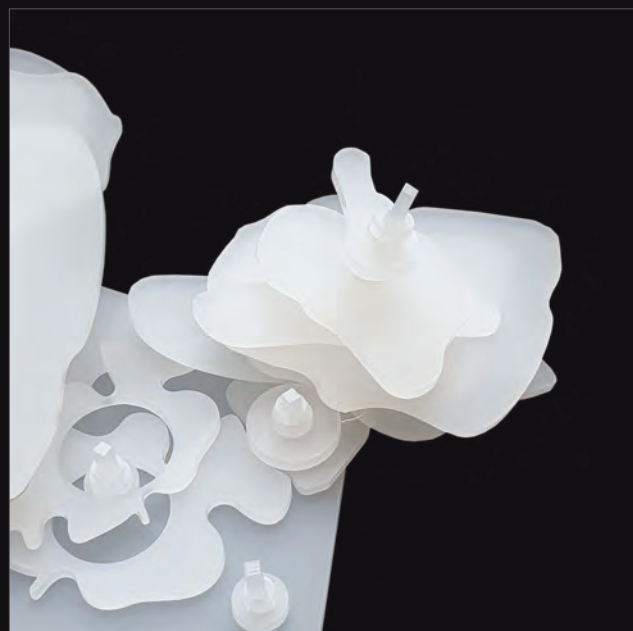
Vollbild

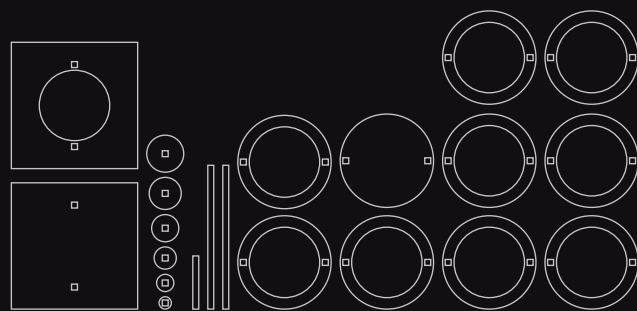




Details



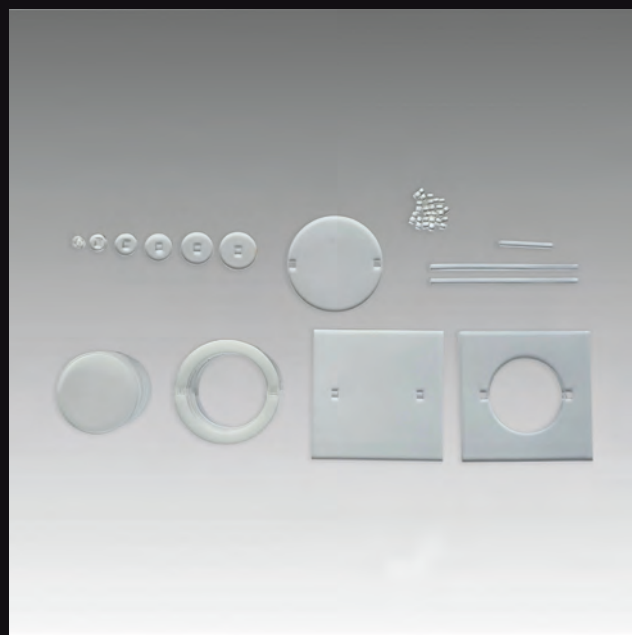




CUTOUT 16

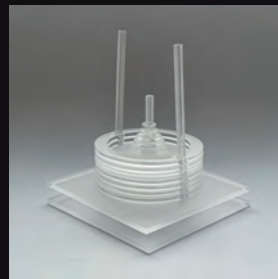
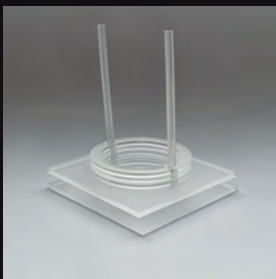
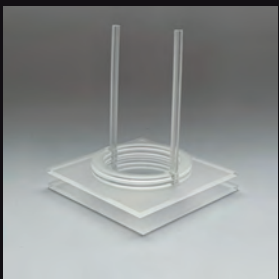
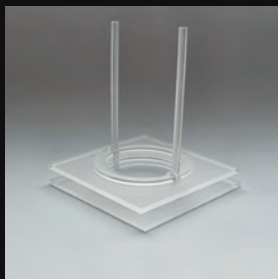
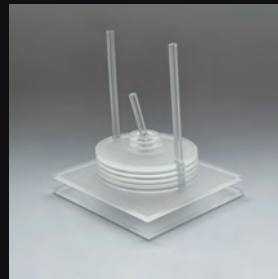
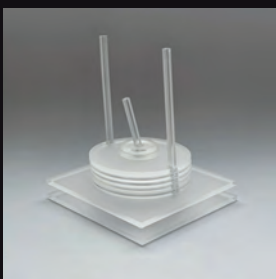
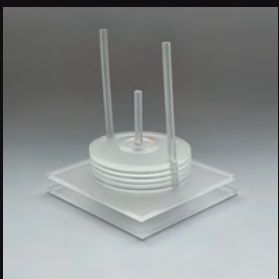
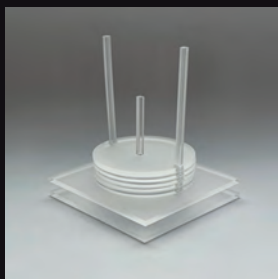
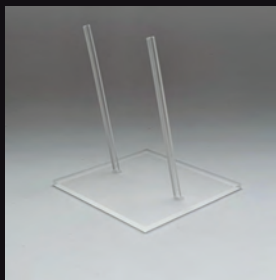
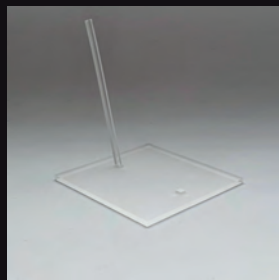
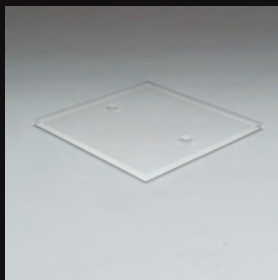
EINZELTEILE

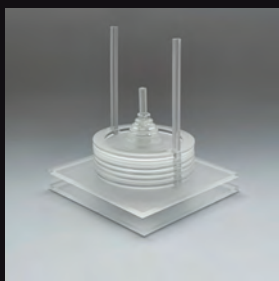
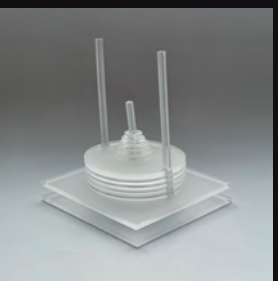
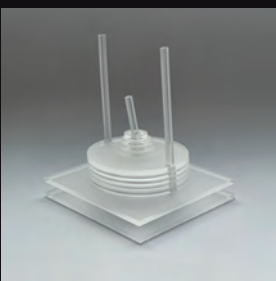
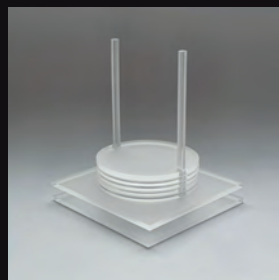
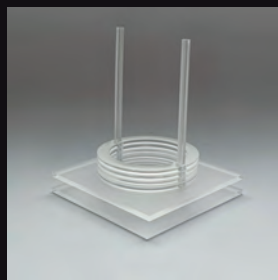
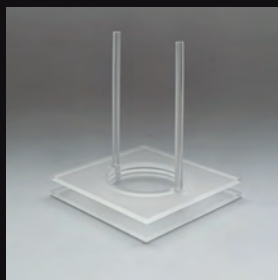






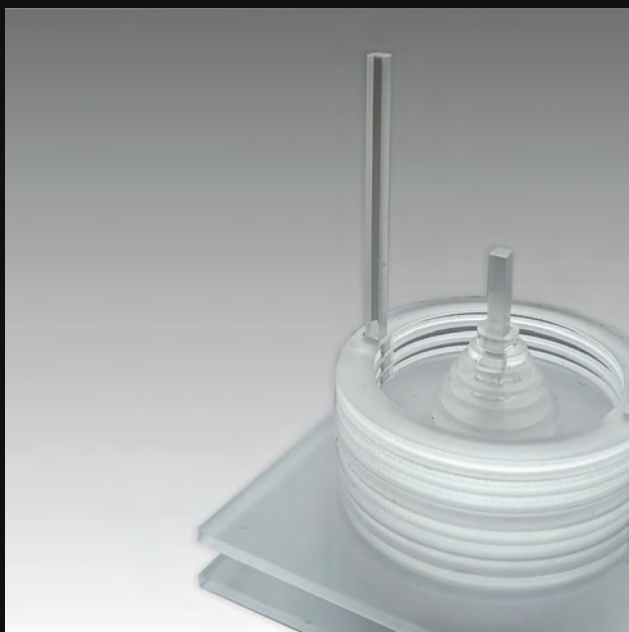
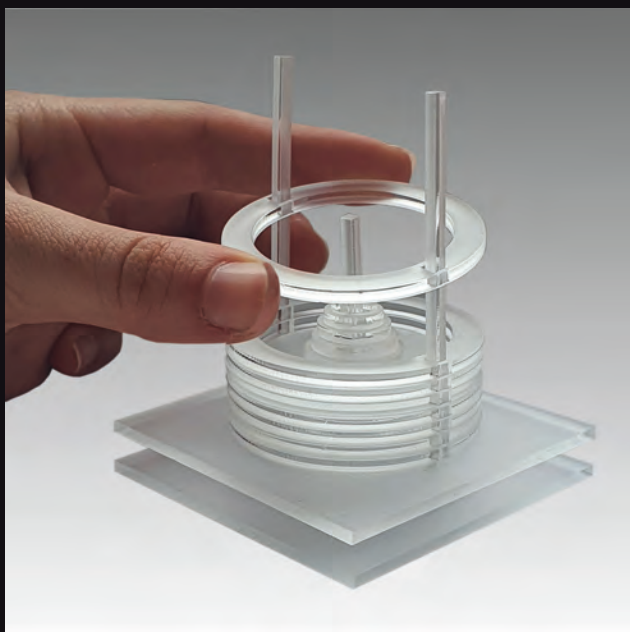
STEP BY STEP





GEPLANTES OBJEKT

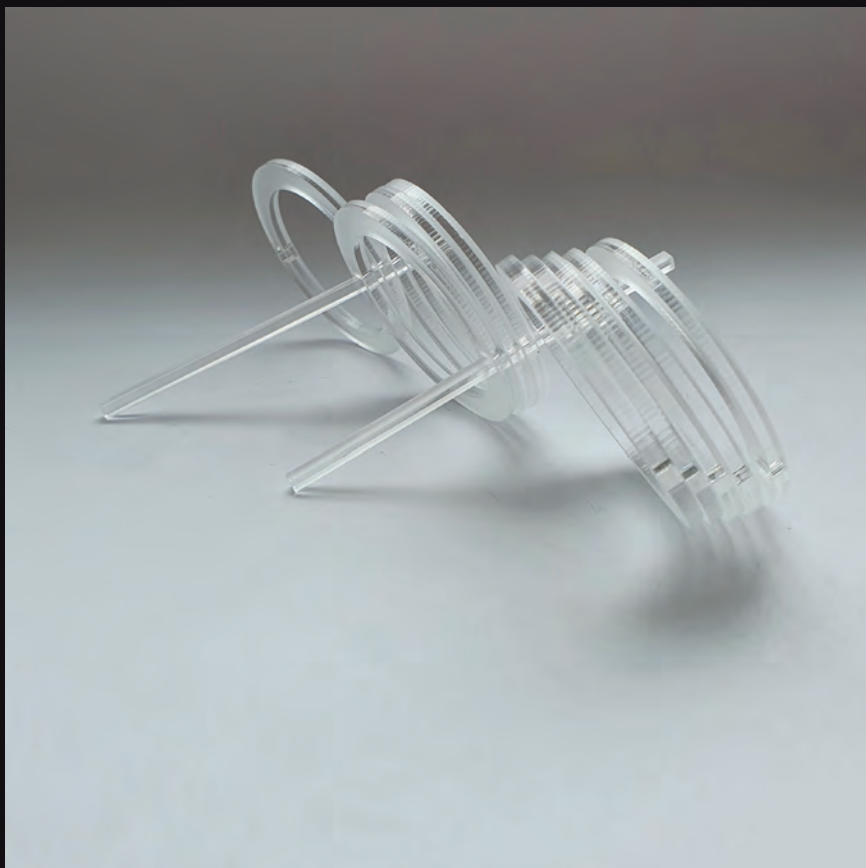
Gesteckt





STECKVARIATIONEN

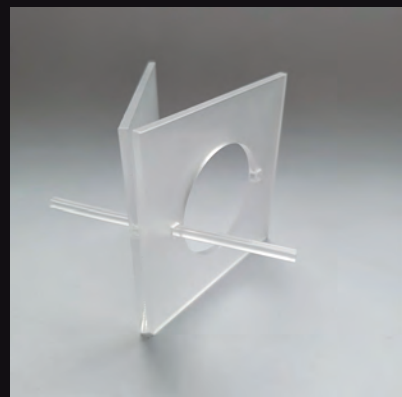


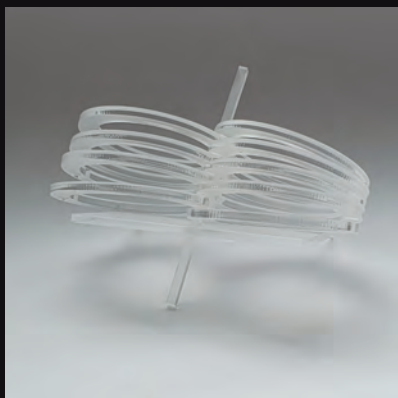


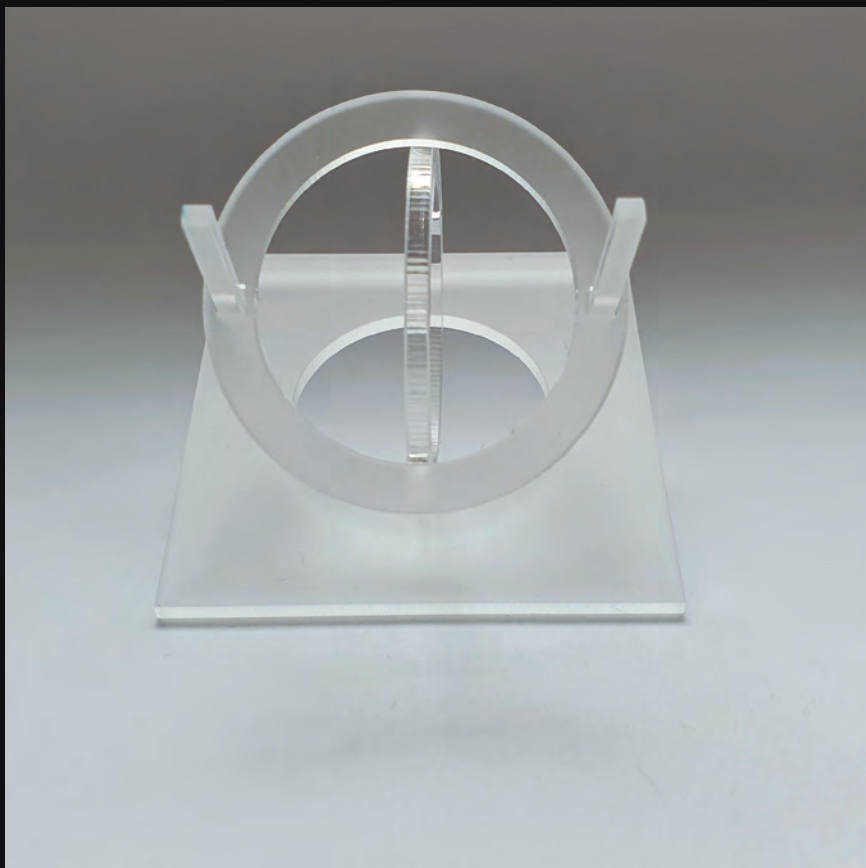
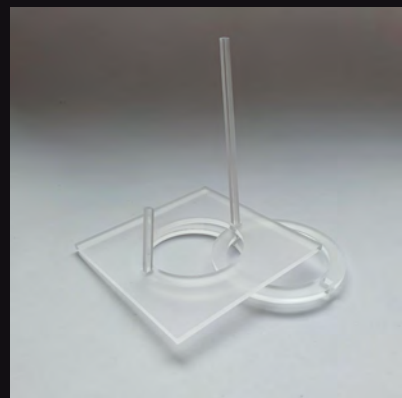






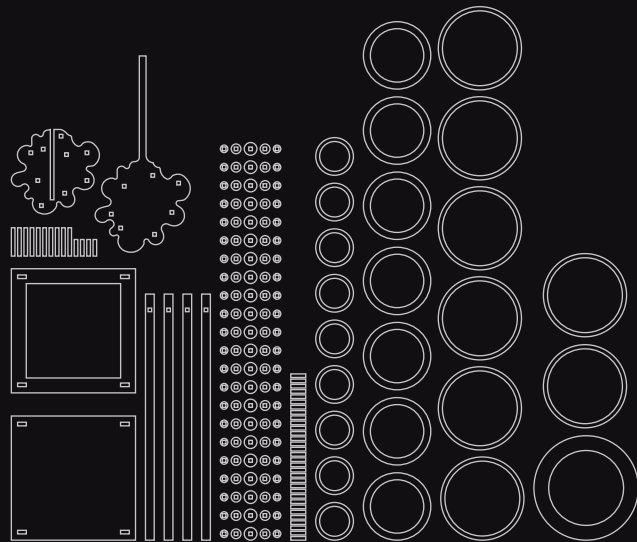






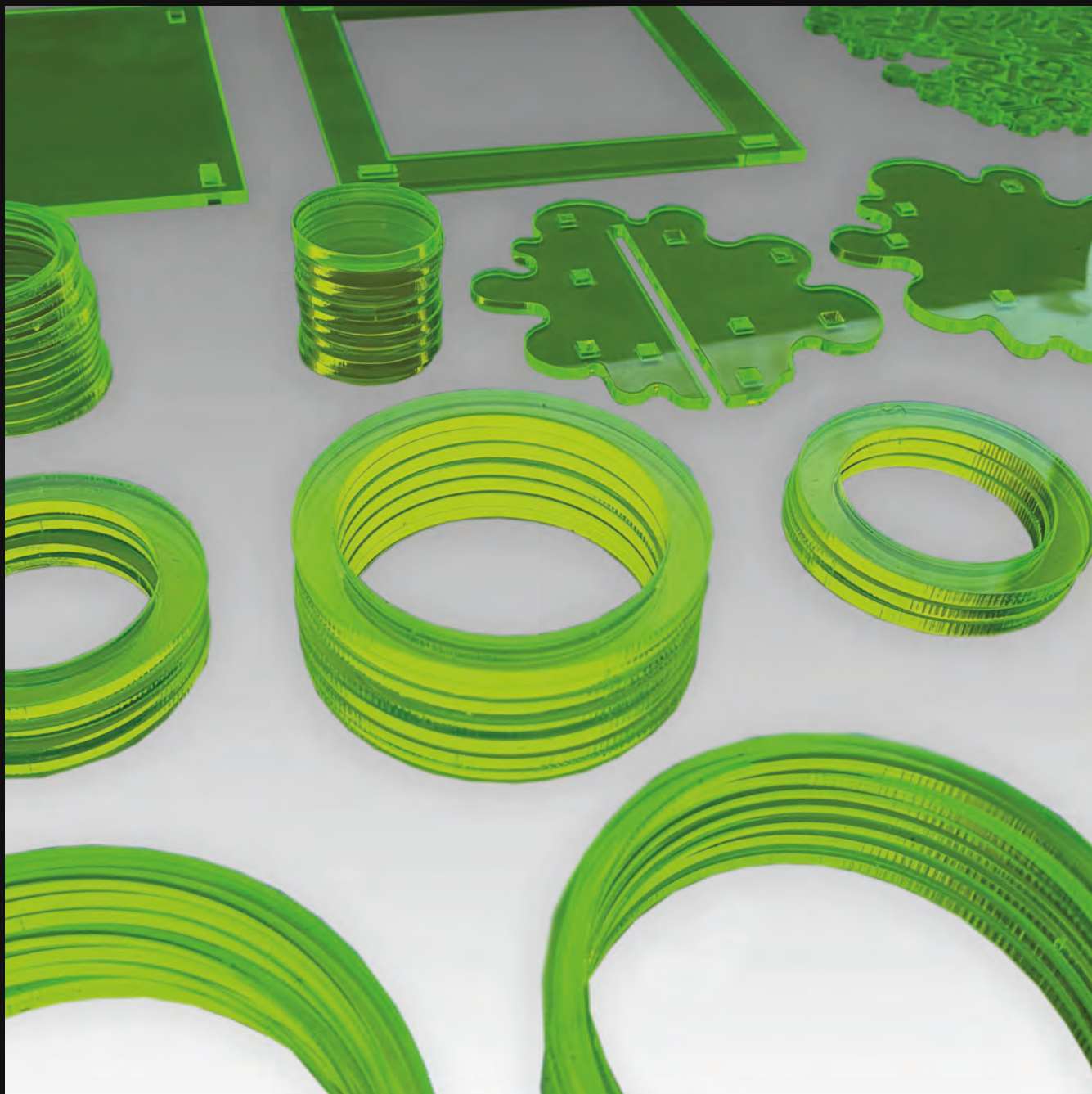






CUTOUT 01

EINZELTEILE



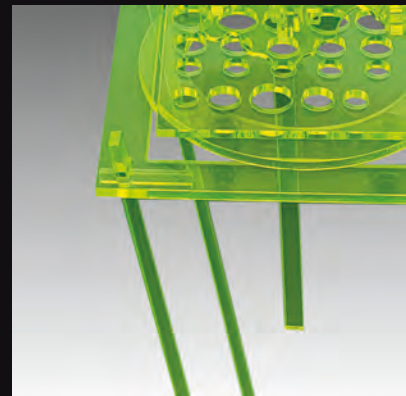
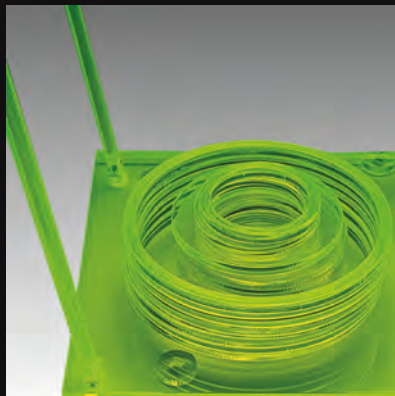
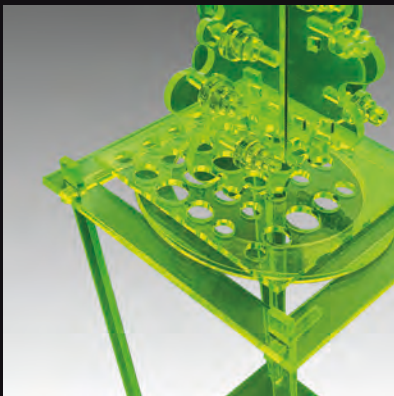


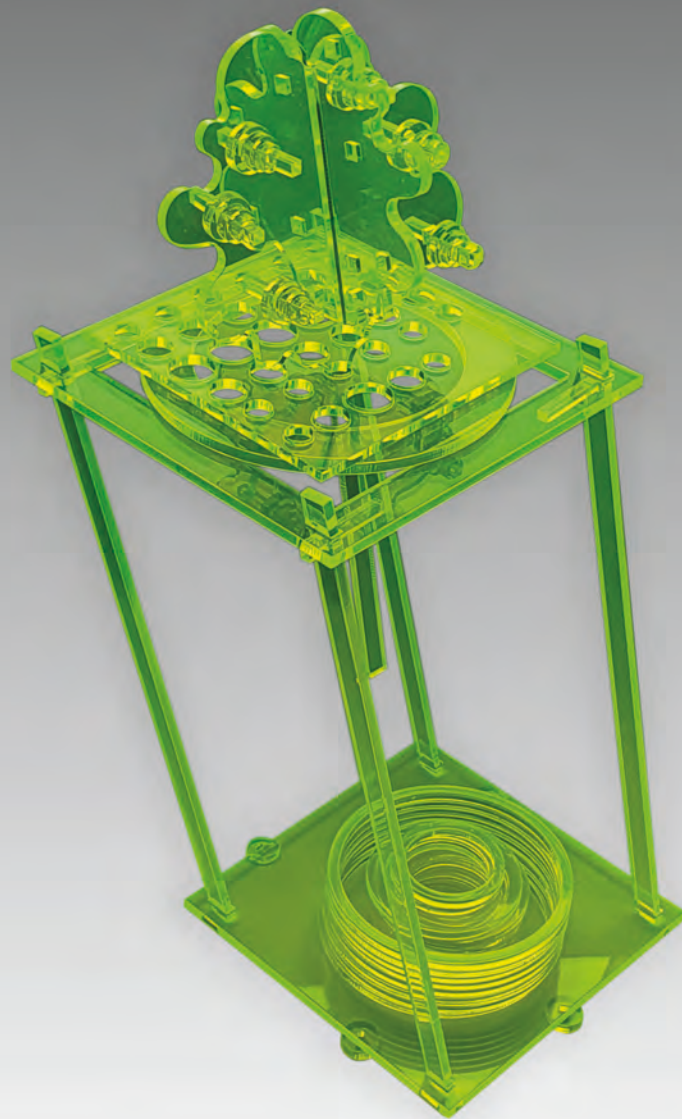


GEPLANTES OBJEKT

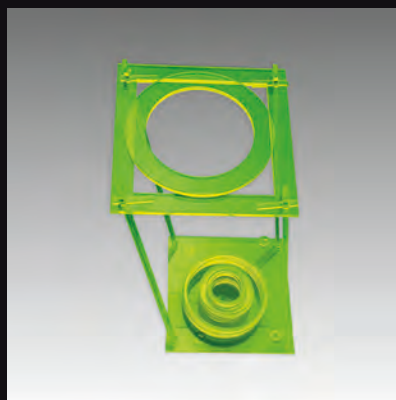
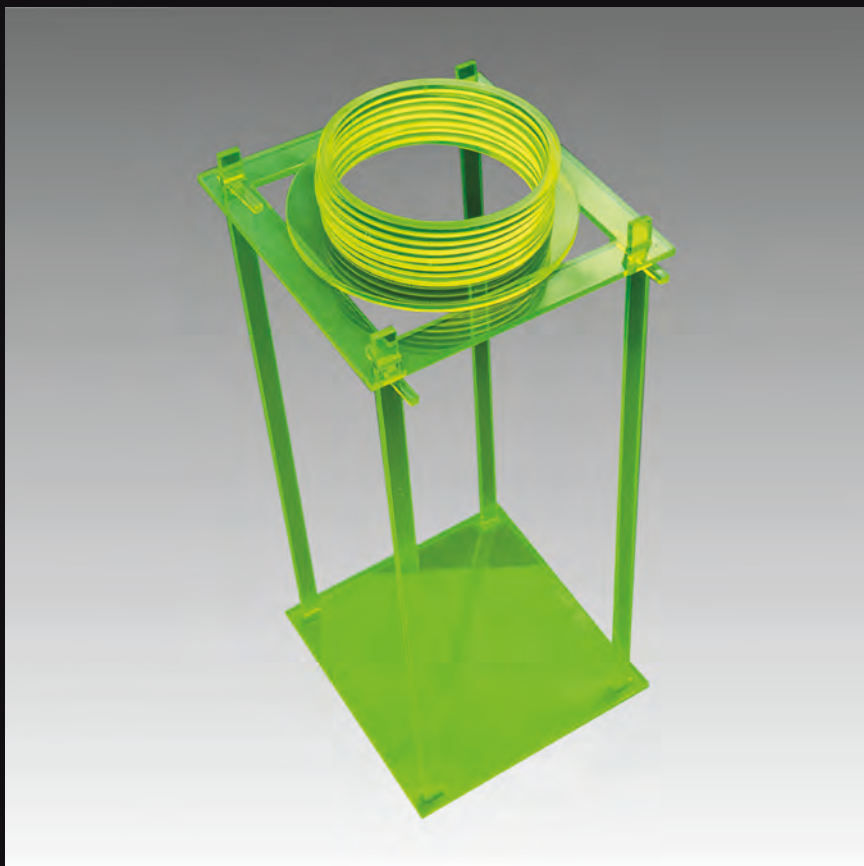
Gesteckt

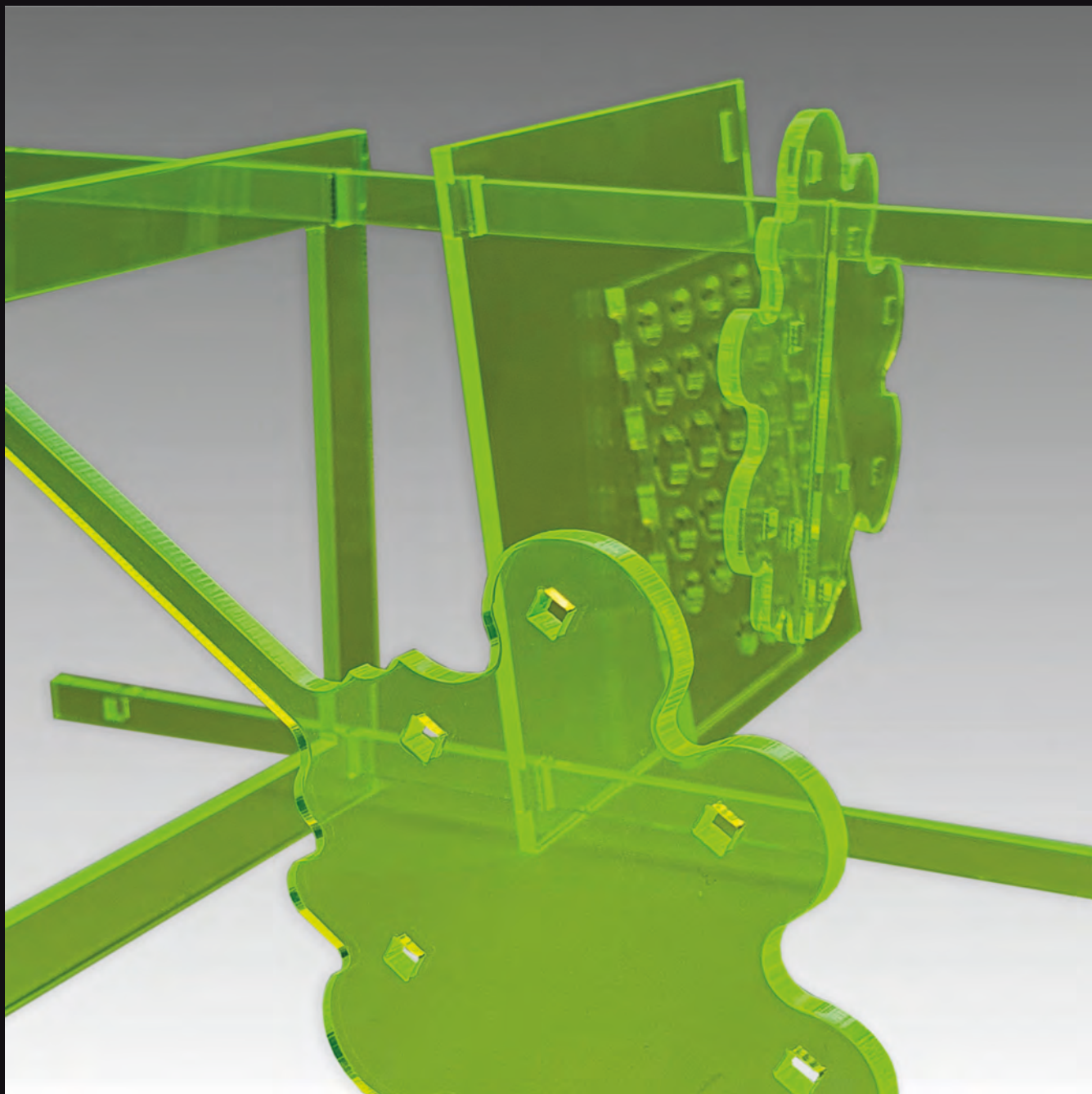
Das hier dargestellte Stecksystem entspricht in etwa 80 % der geplanten Version. Würden die Einzelteile tatsächlich miteinander verklebt werden, entspräche das Objekt 100% der beabsichtigten Umsetzung. Da die einzelnen Steckmodule aber mehrmals für verschiedenste Objektkombinationen verwendet werden sollen, bleibt es bei der Annäherung zum angedachten Objekt.

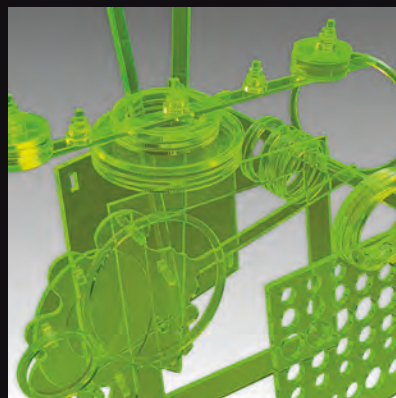
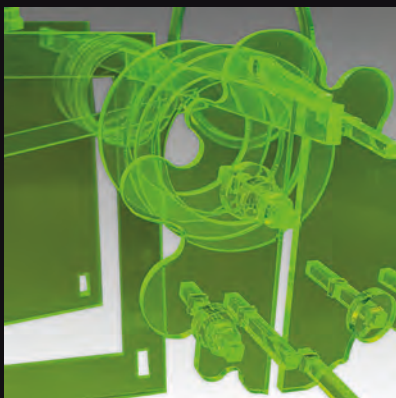
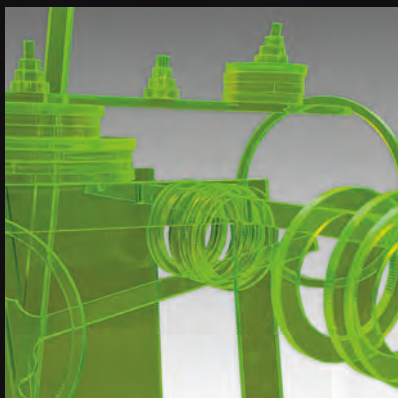


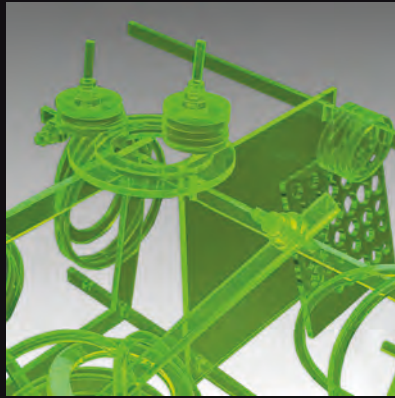


STECKVARIATIONEN





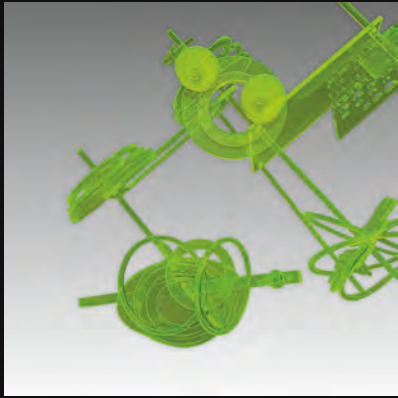


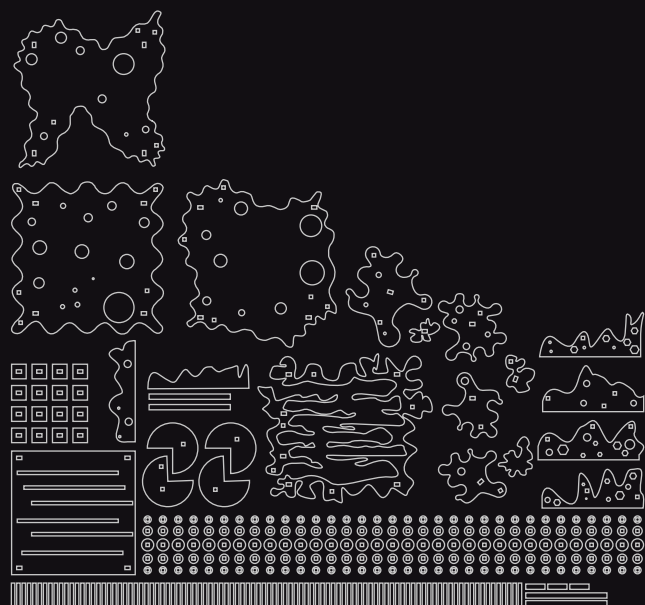






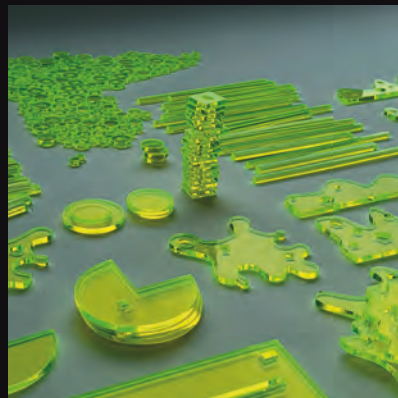
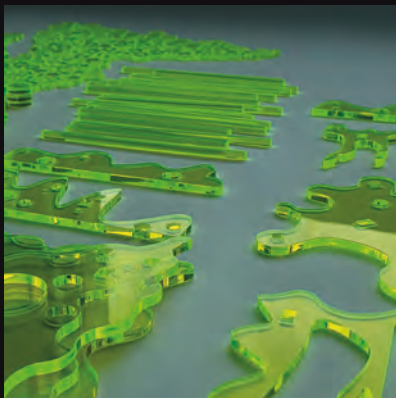
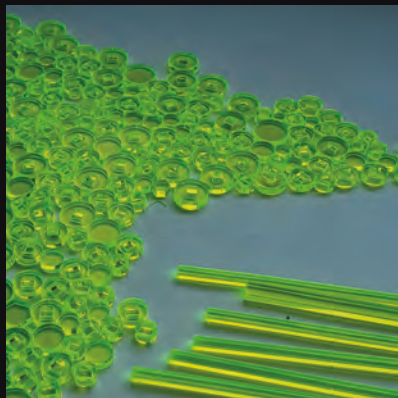


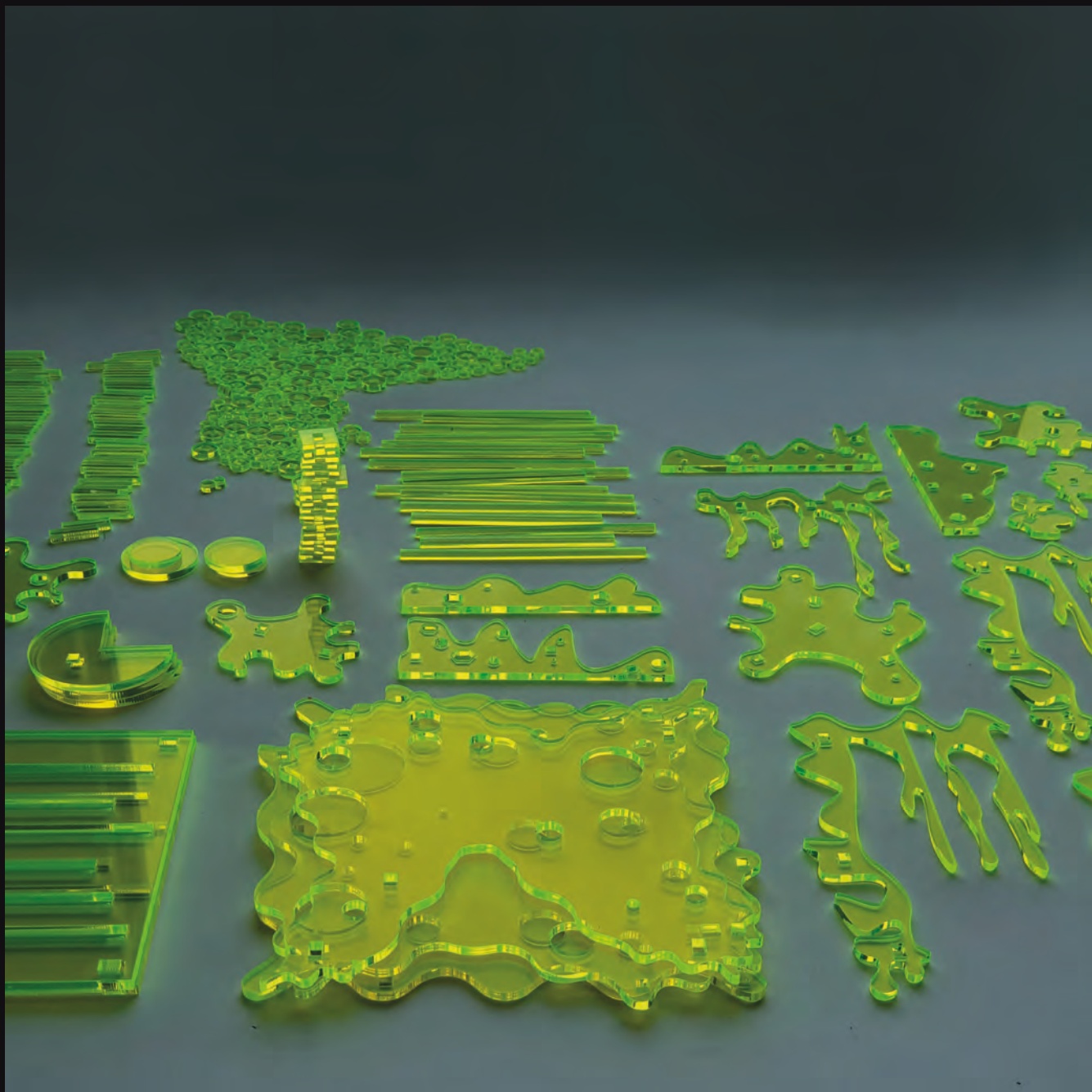


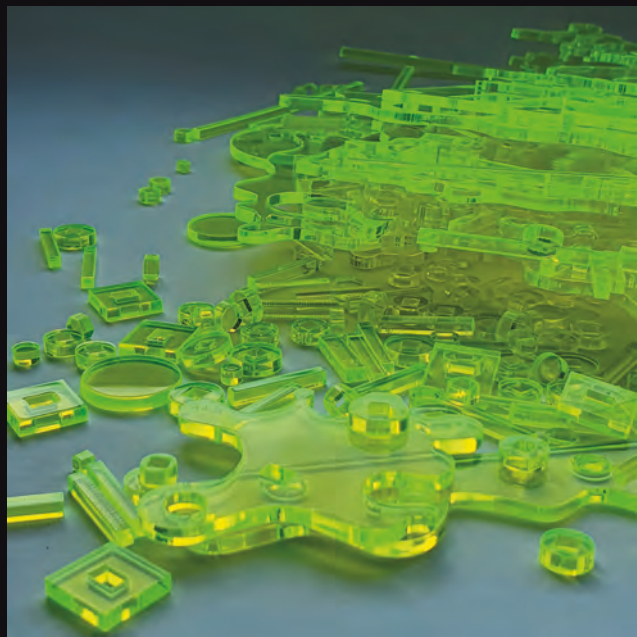


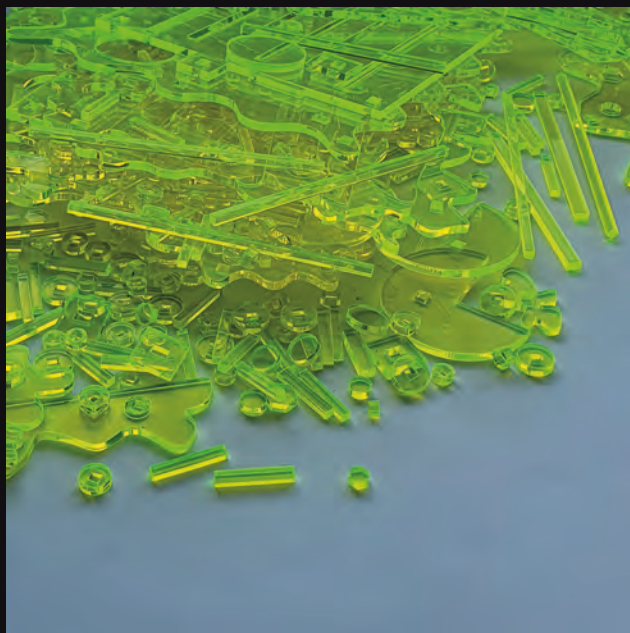
CUTOUT 06

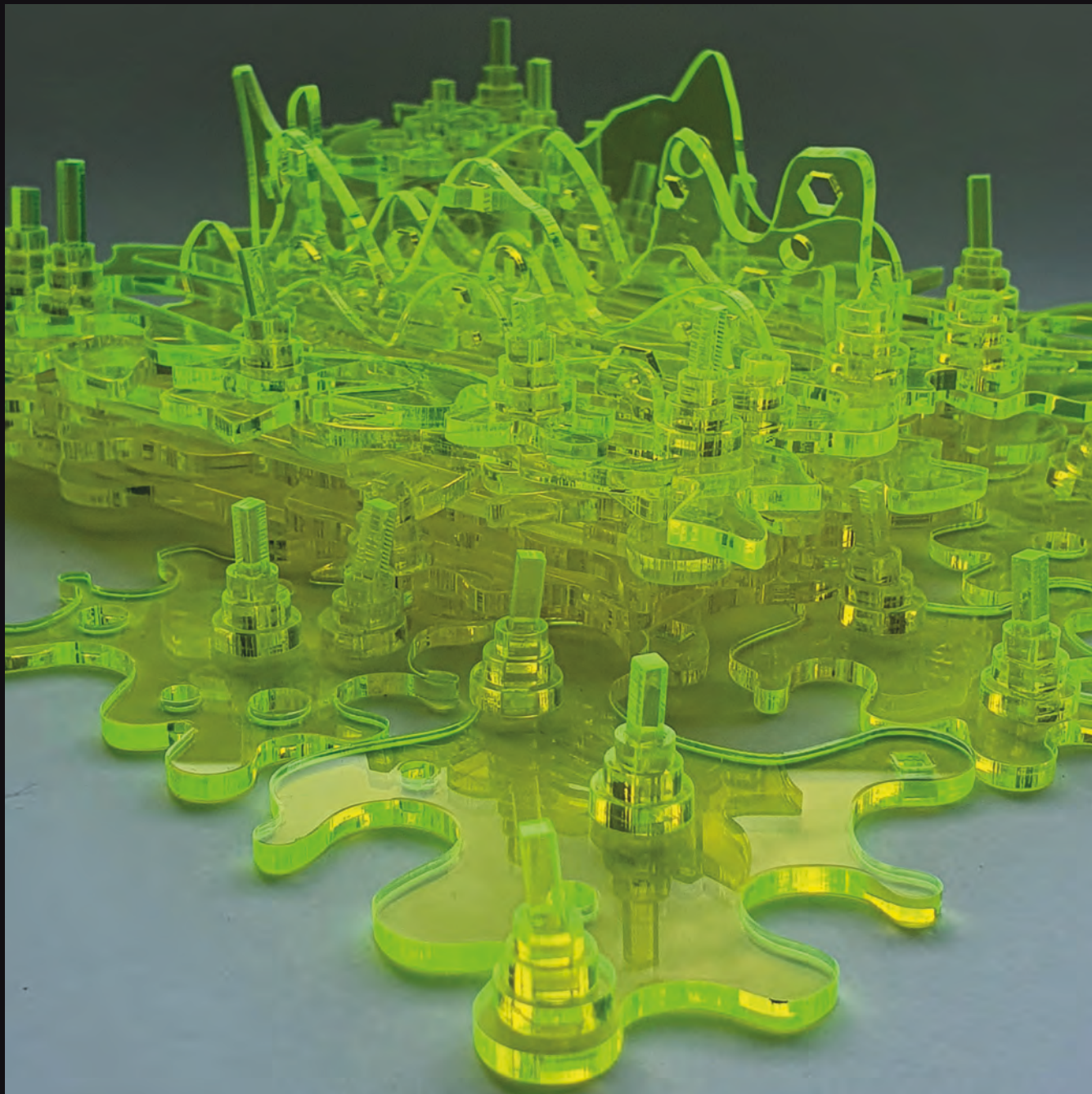
EINZELTEILE

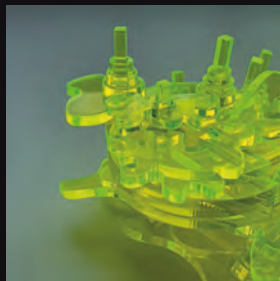
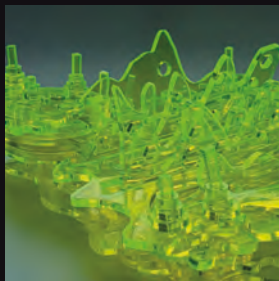
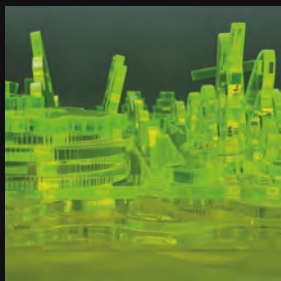
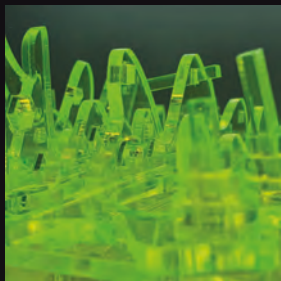


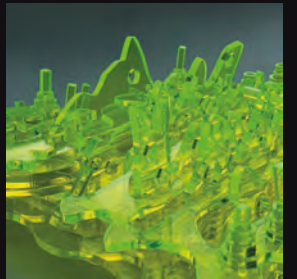
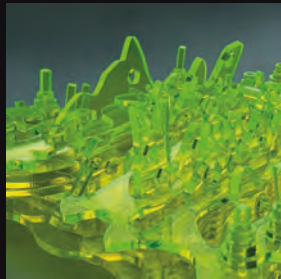
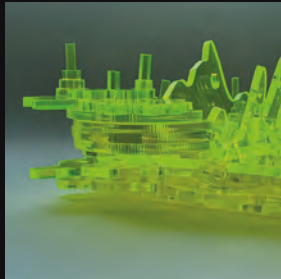
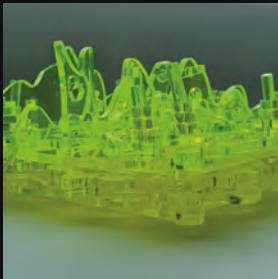




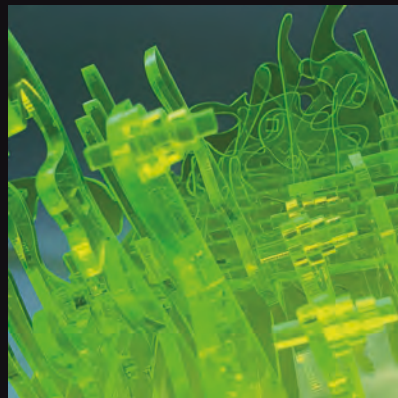
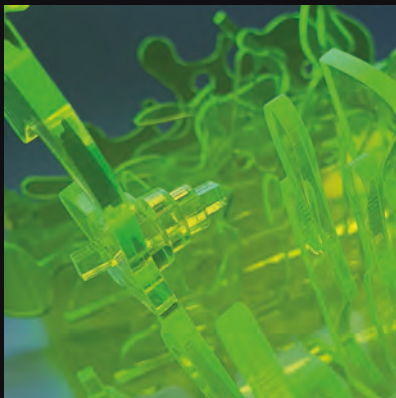
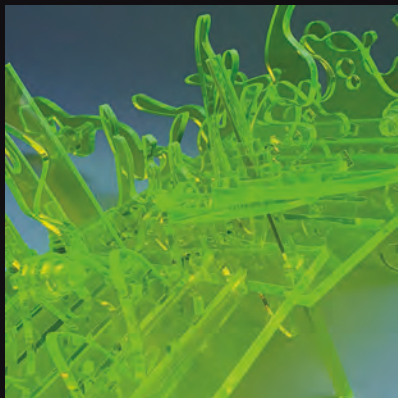


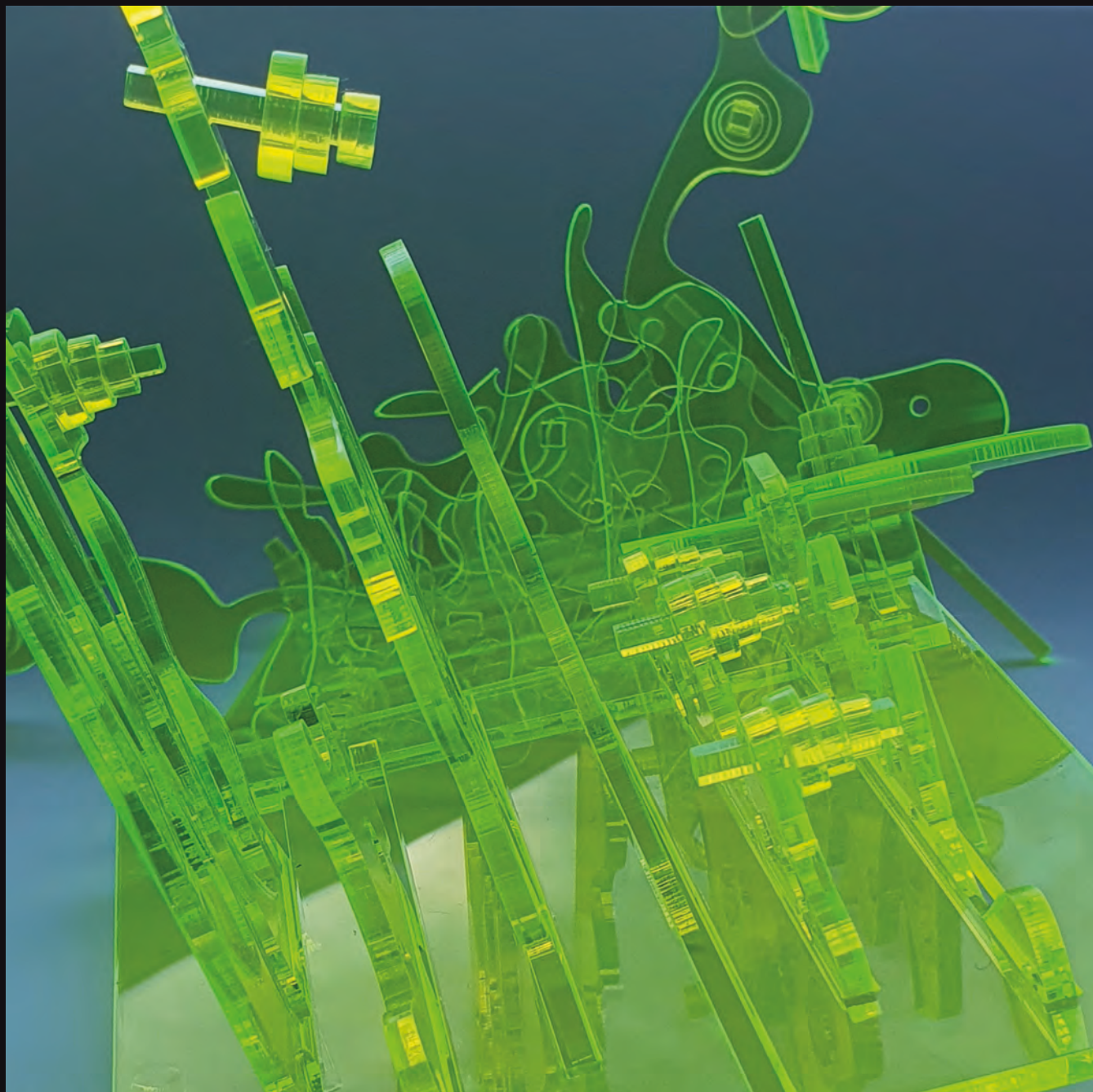


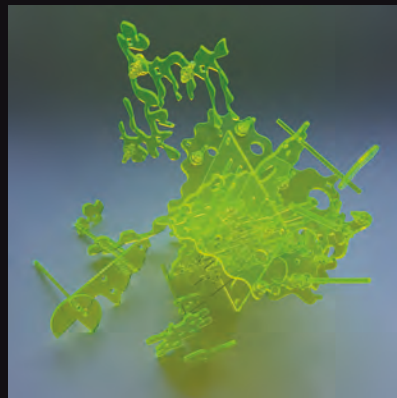
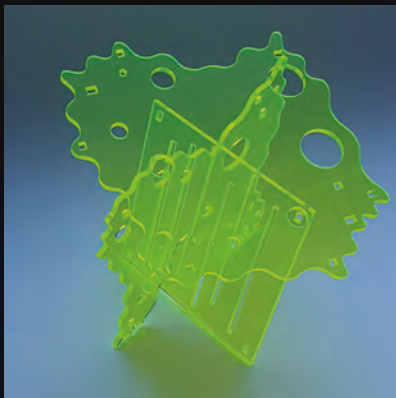
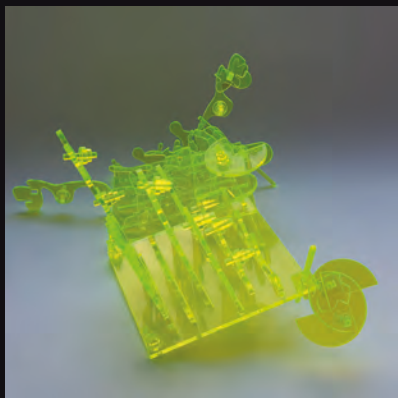


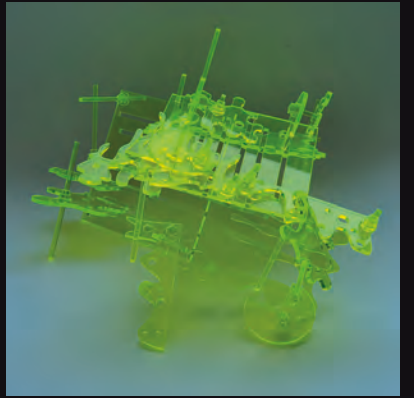
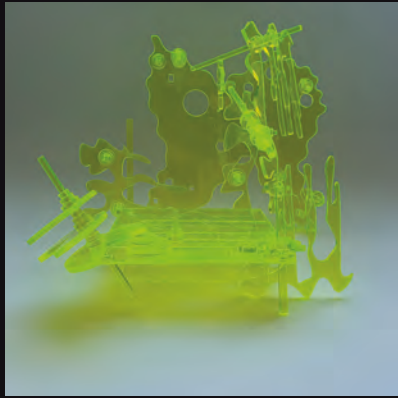
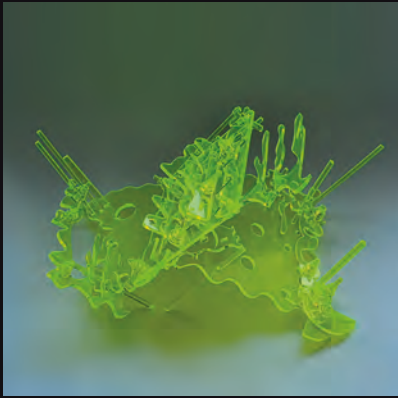


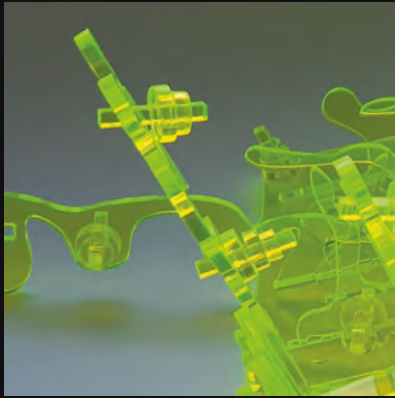
STECKVARIATIONEN

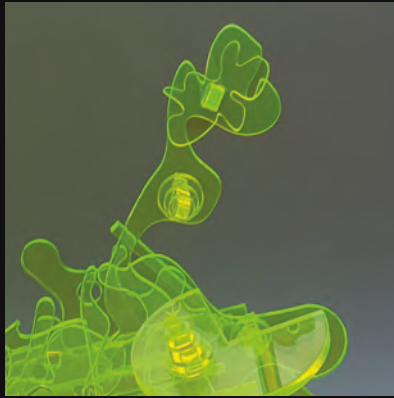


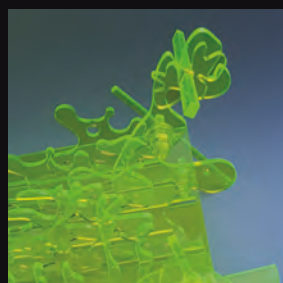
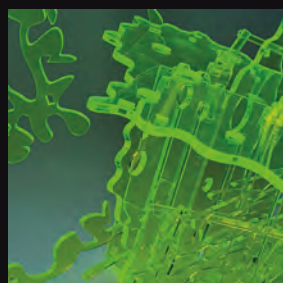
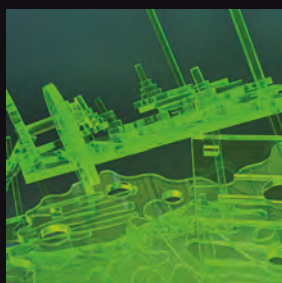
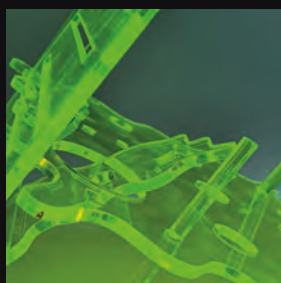
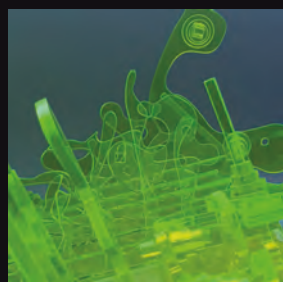
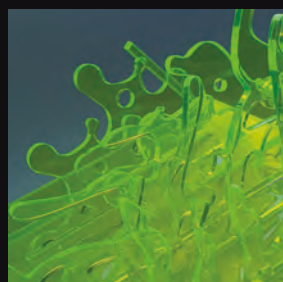
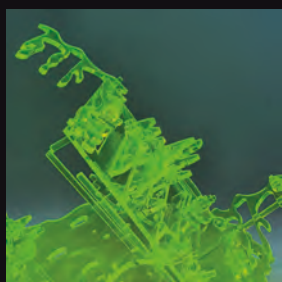
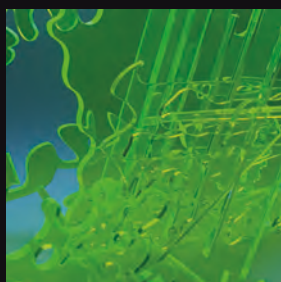
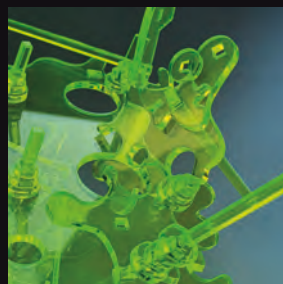
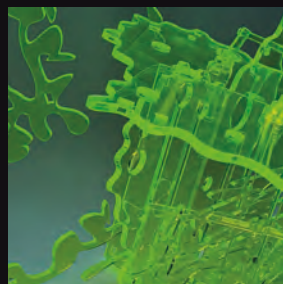
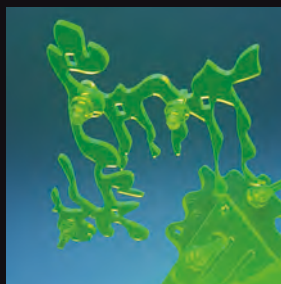
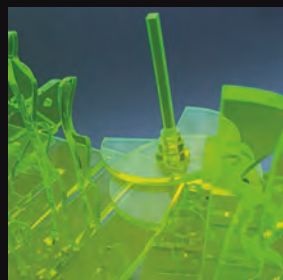
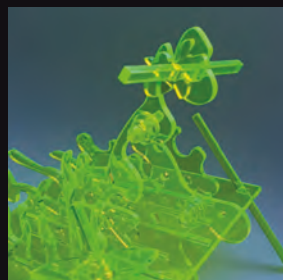
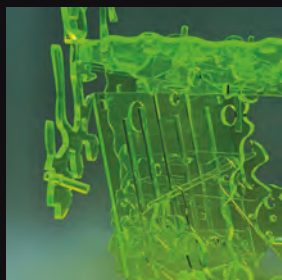
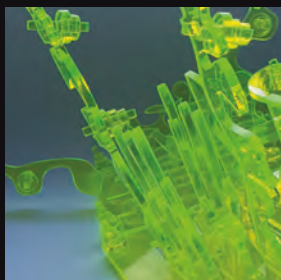


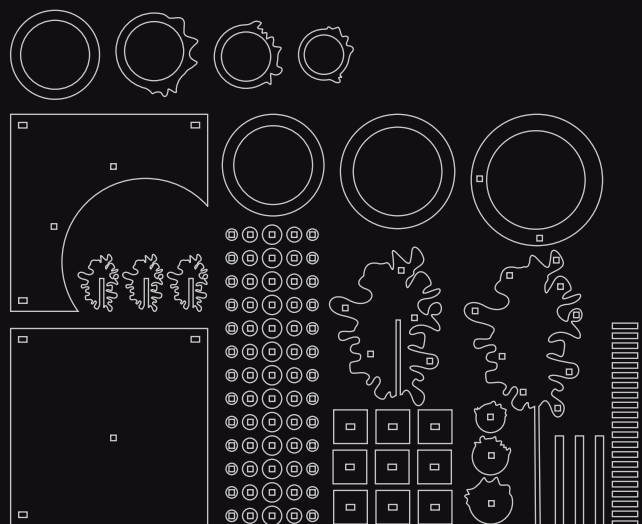








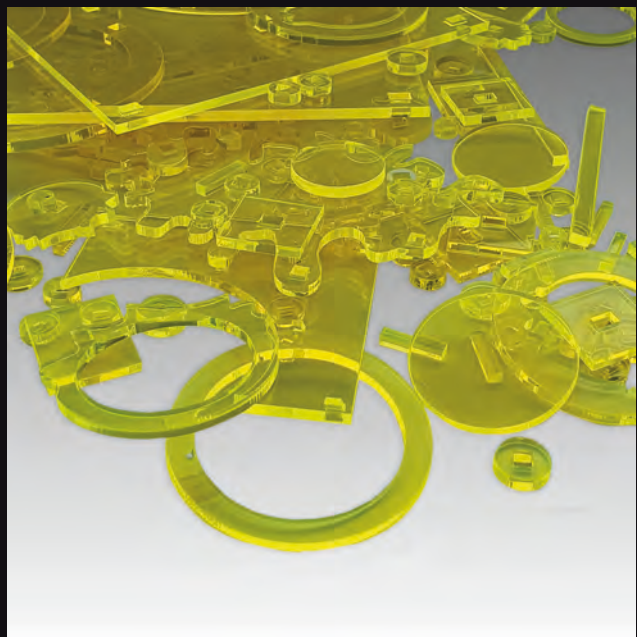


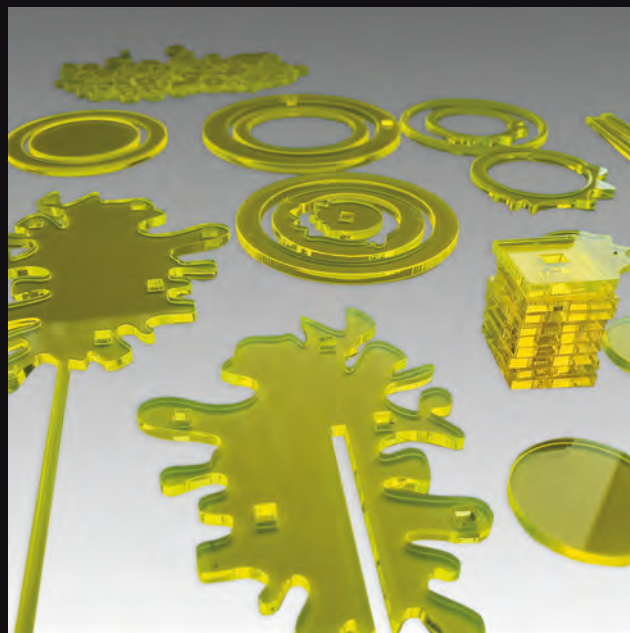


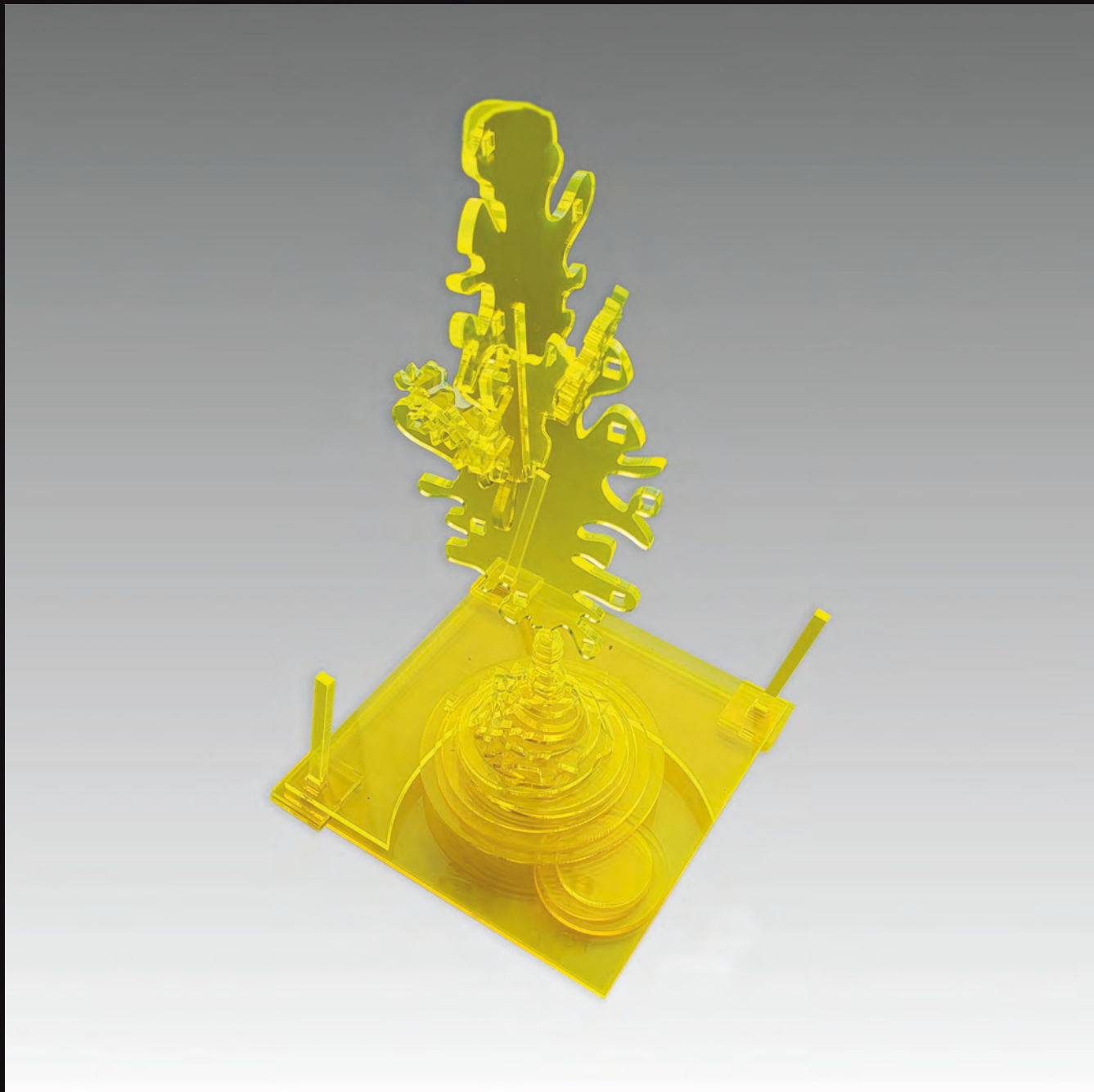
CUTOUT 07

EINZELTEILE

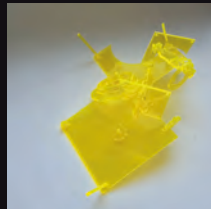
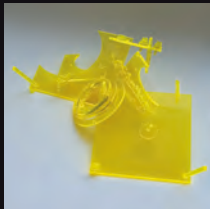
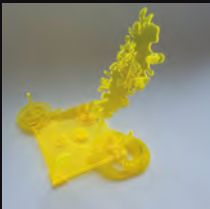


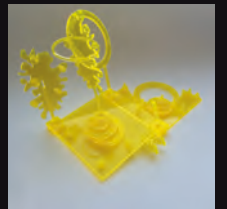
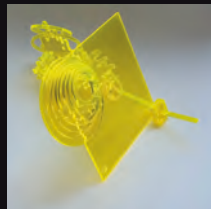
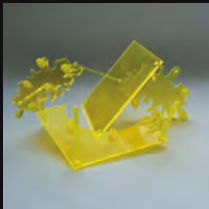


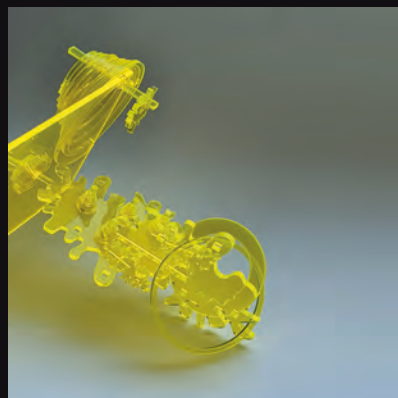
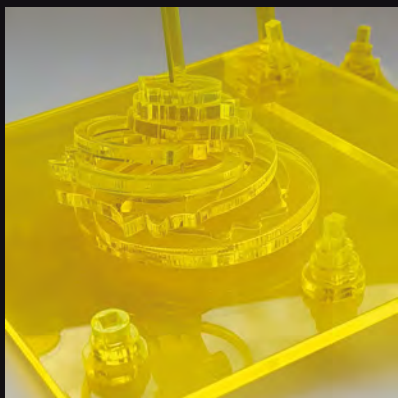
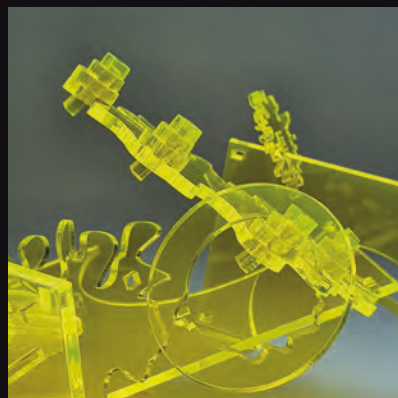
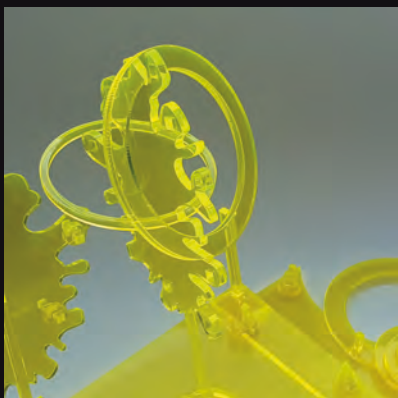
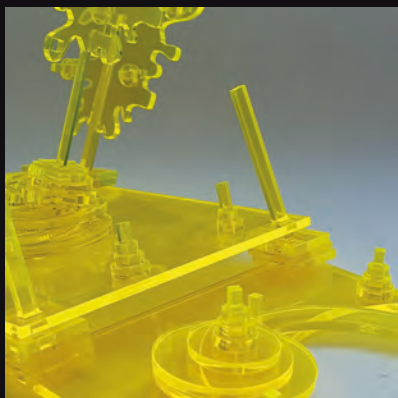
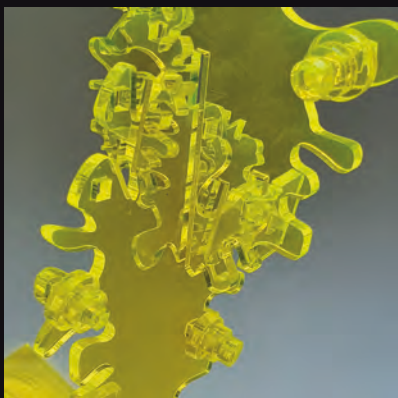


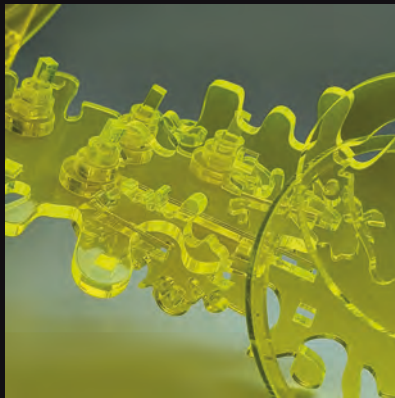
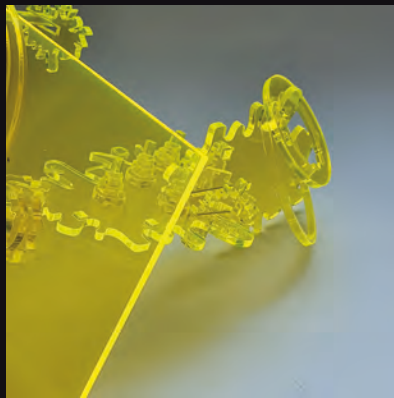
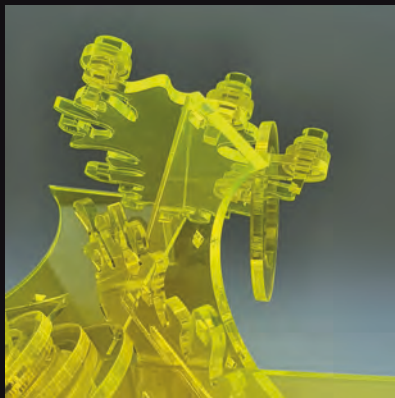
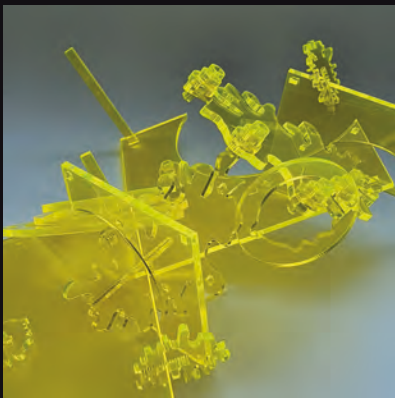
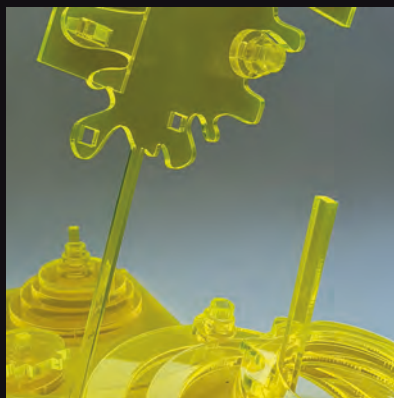
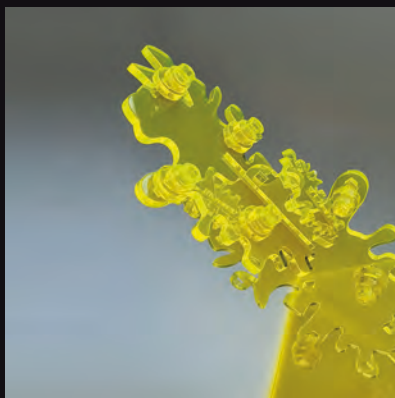


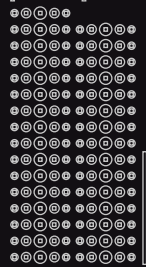
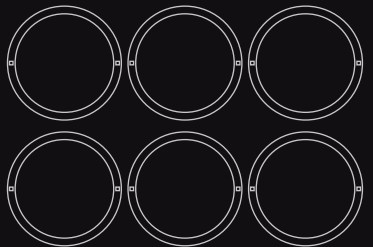
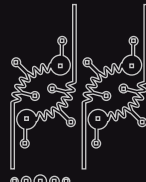
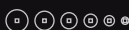
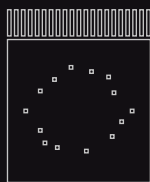
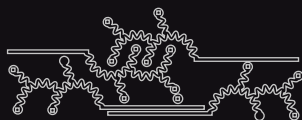
STECKVARIATIONEN











CUTOUT 08

EINZELTEILE

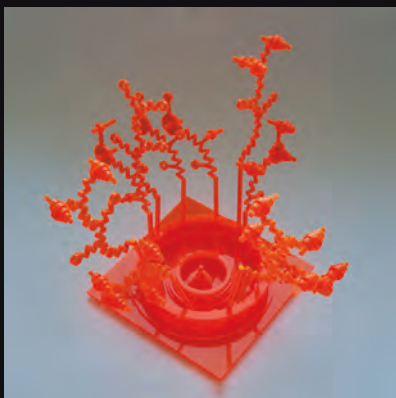


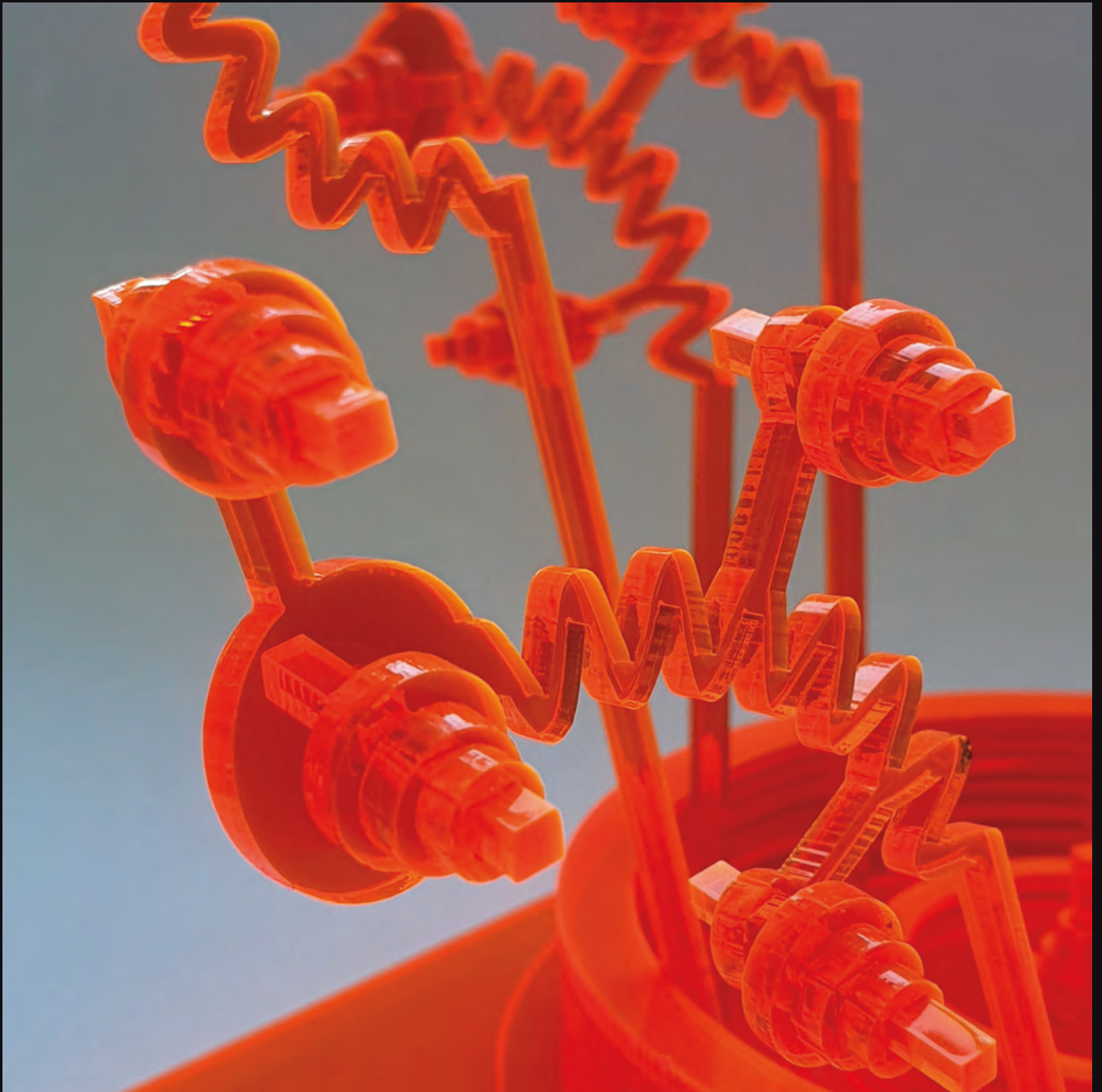




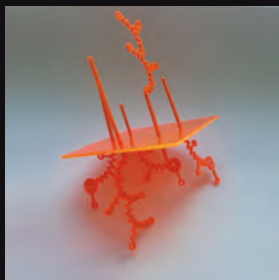
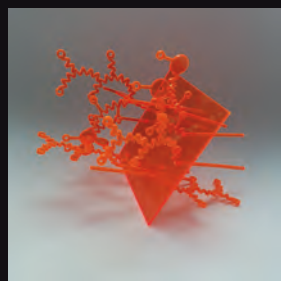
GEPLANTES OBJEKT

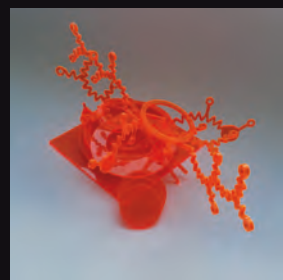
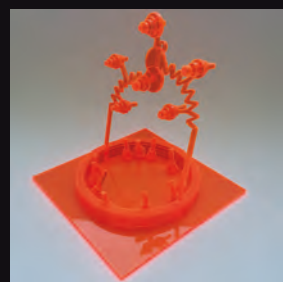
Gesteckt





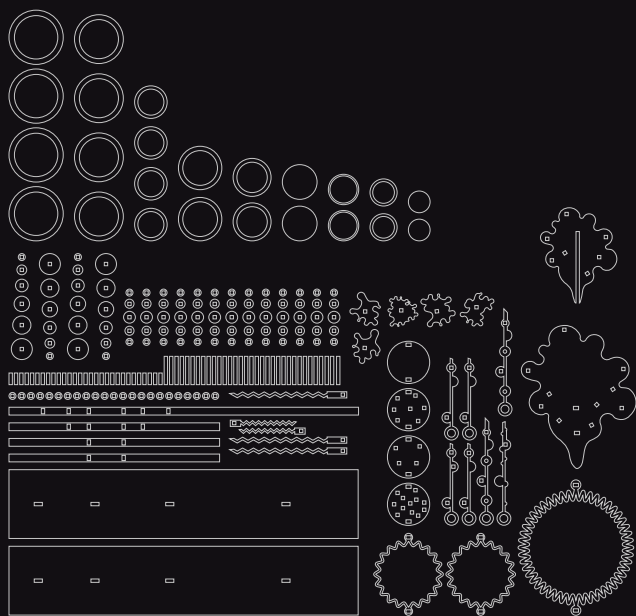
STECKVARIATIONEN











CUTOUT 15

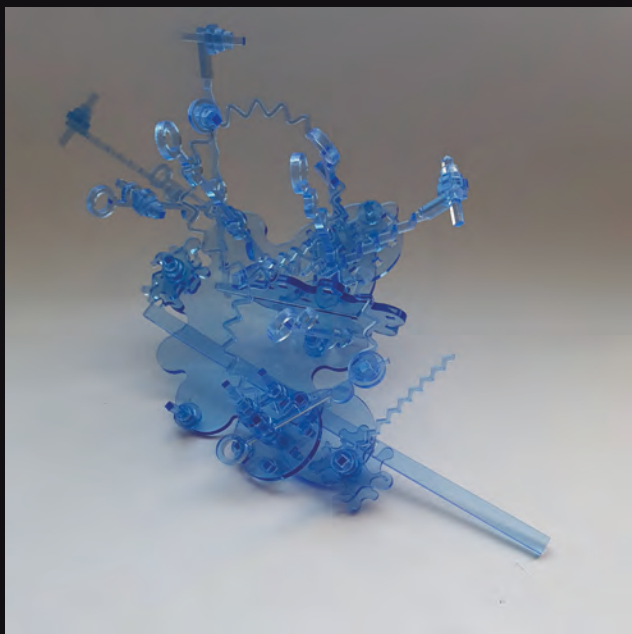
EINZELTEILE



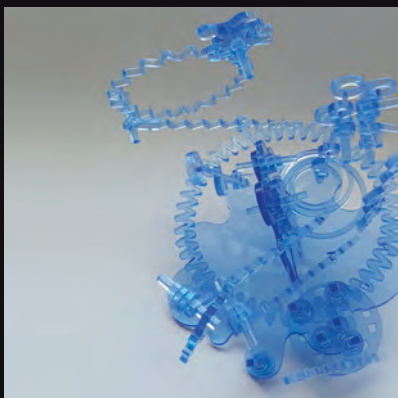
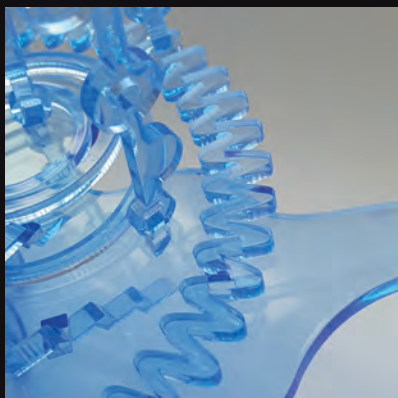
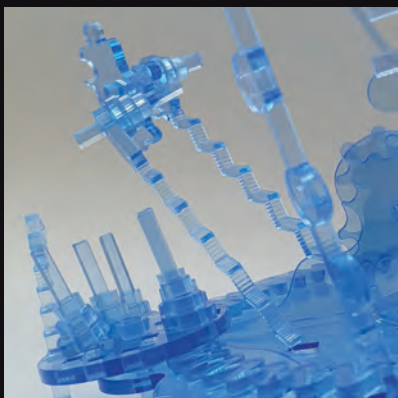




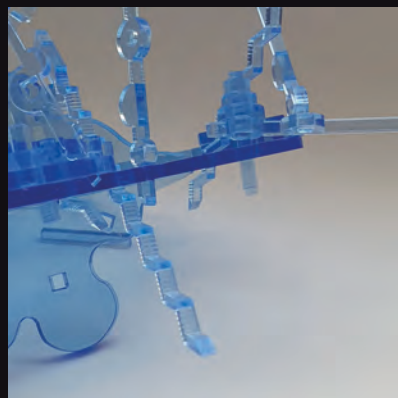
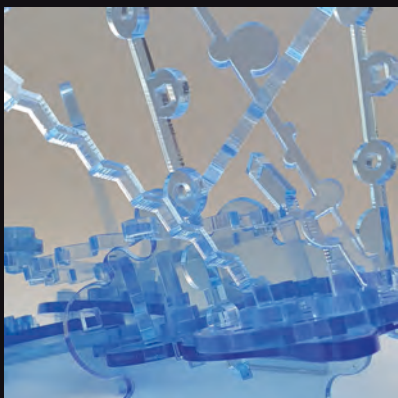
STECKVARIATIONEN





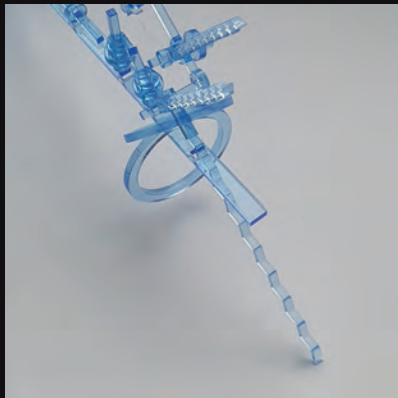
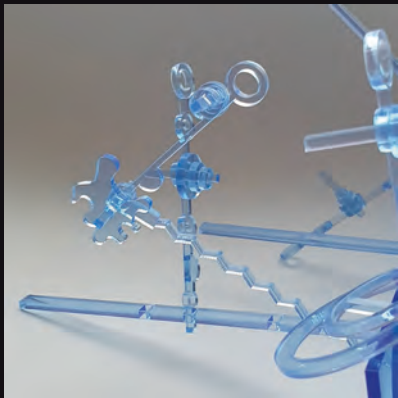
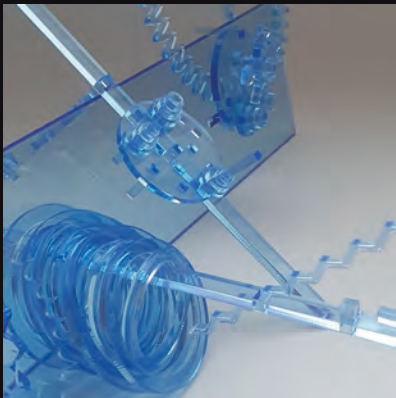
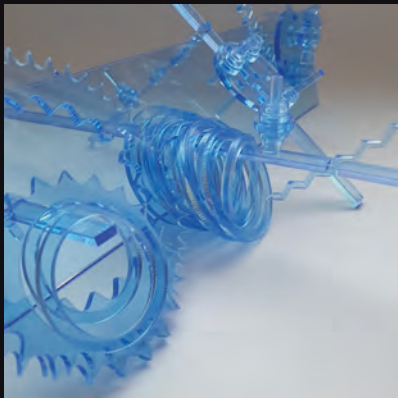
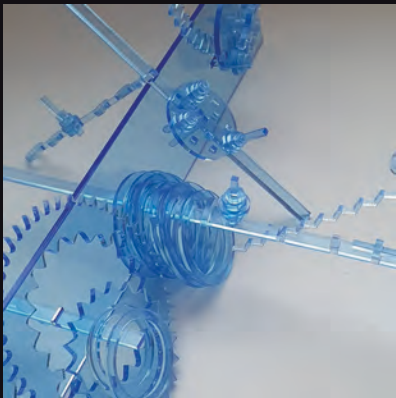


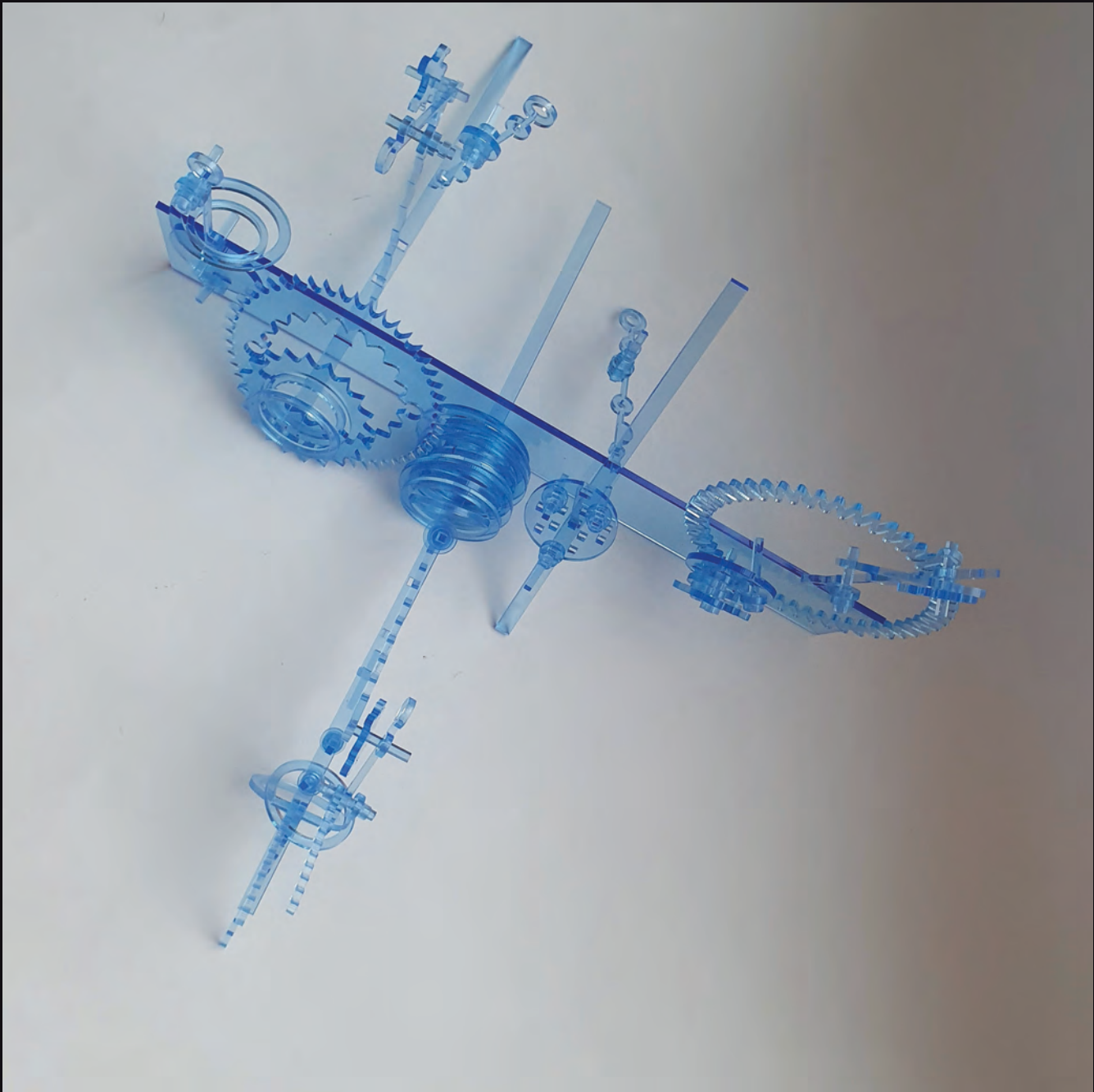


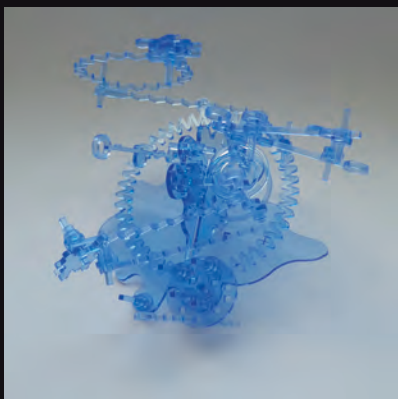


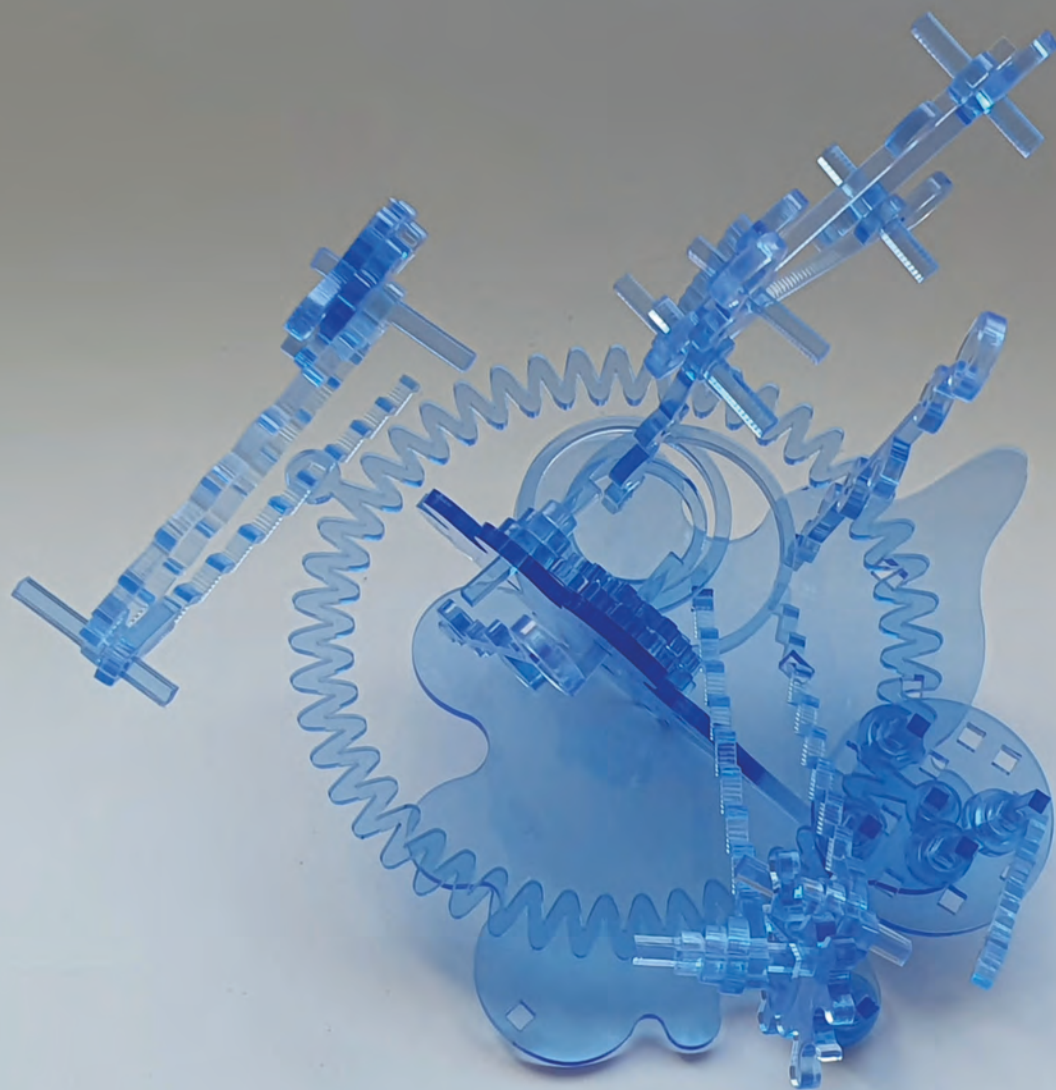


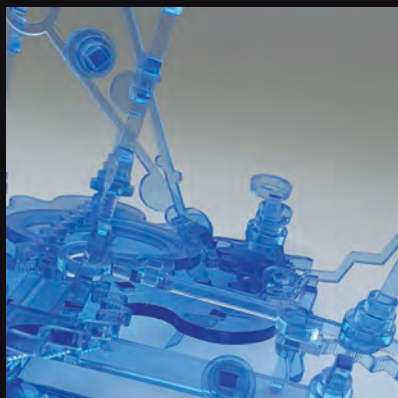
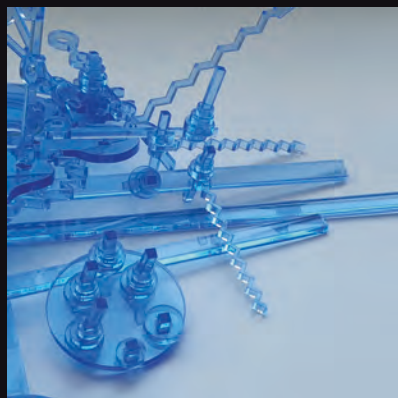
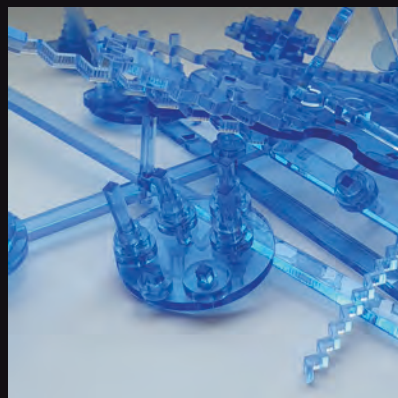
Vollbild & Details

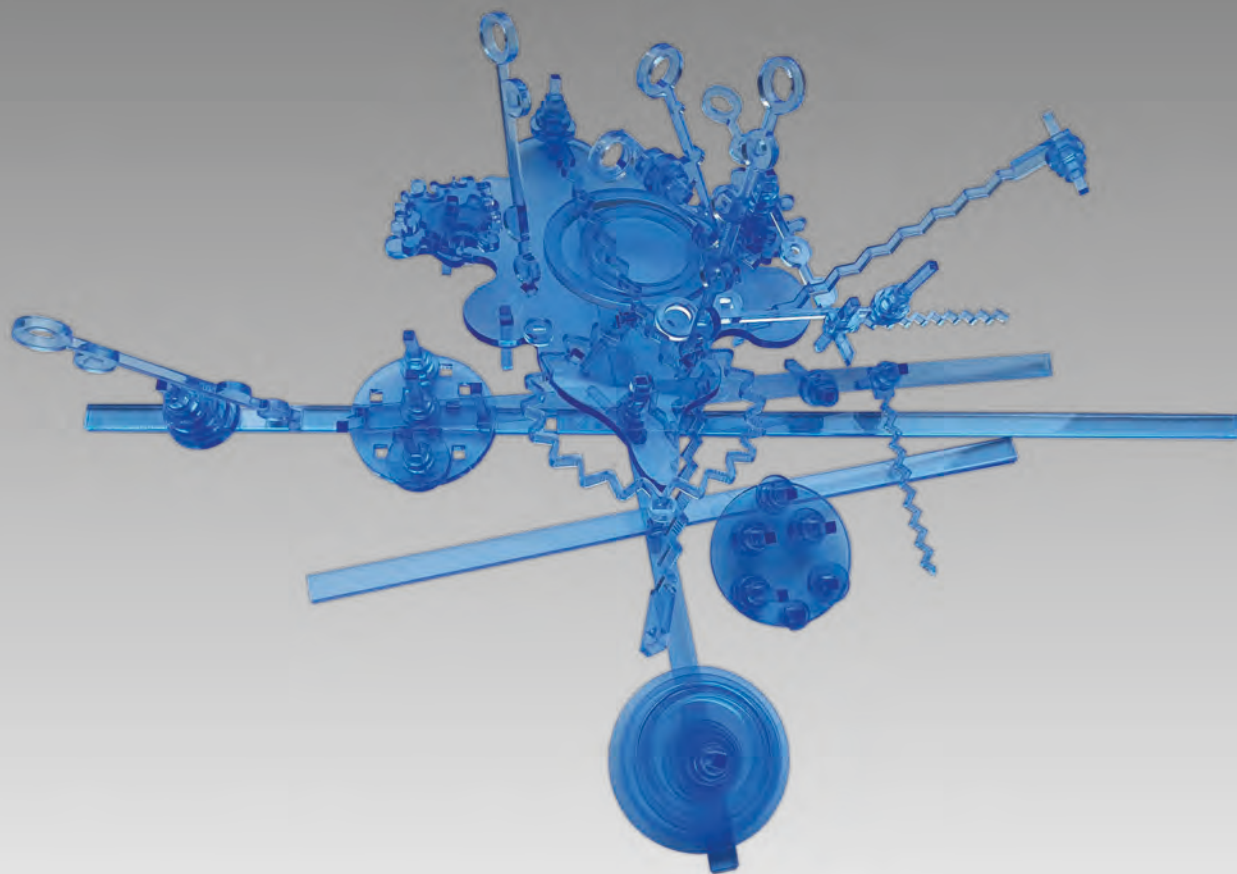


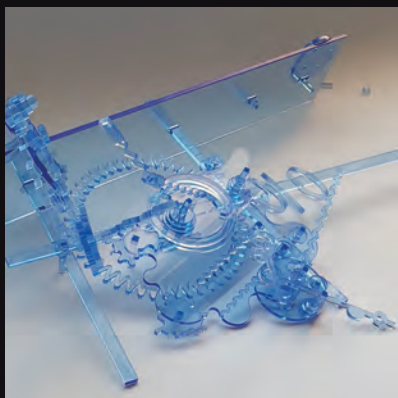
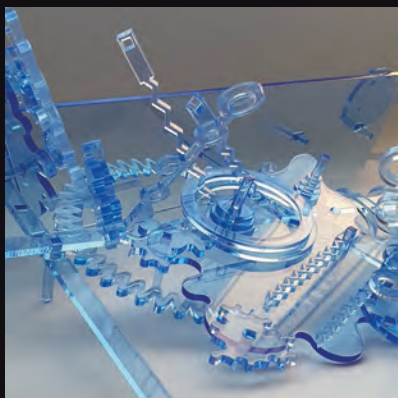


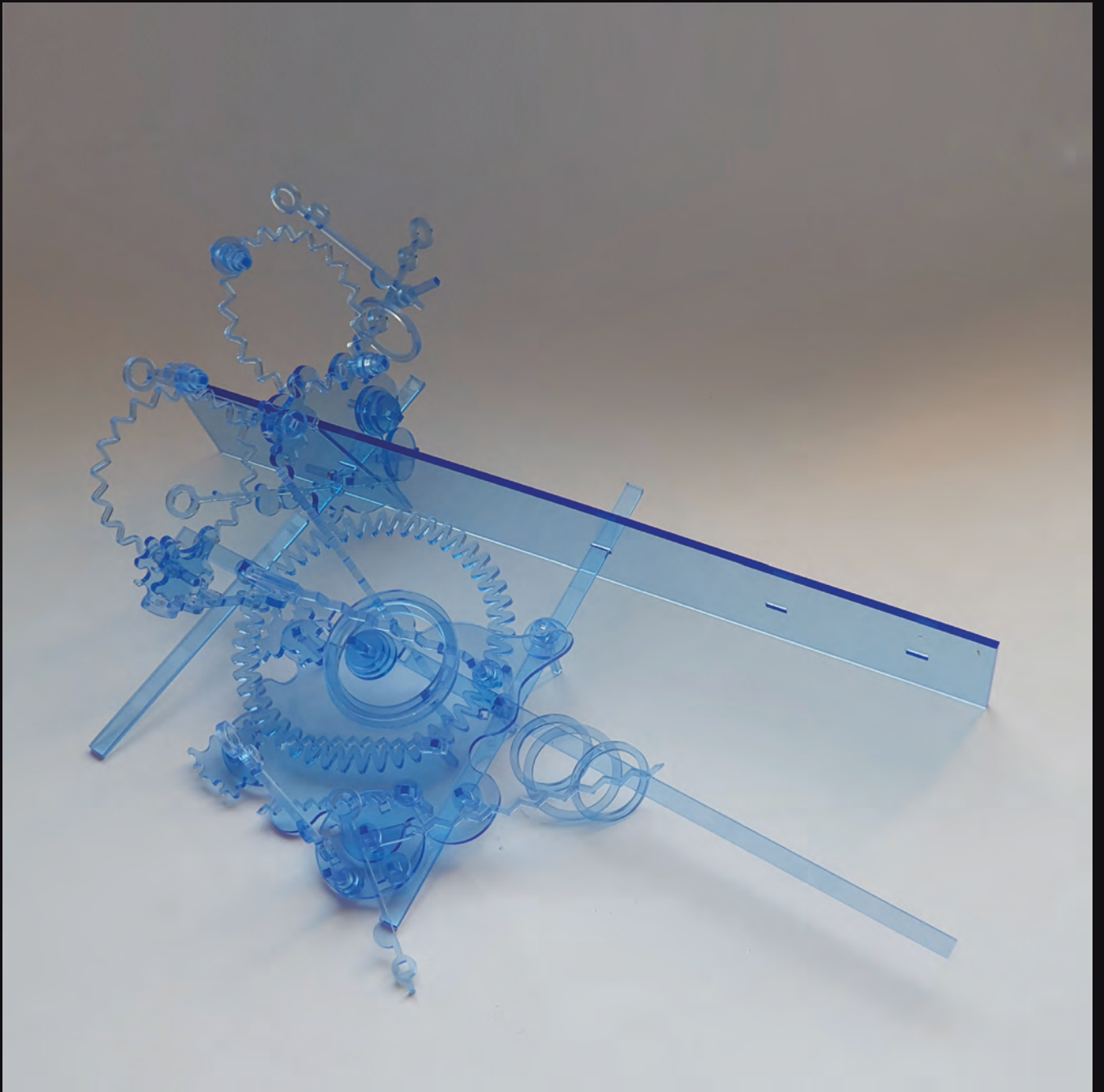






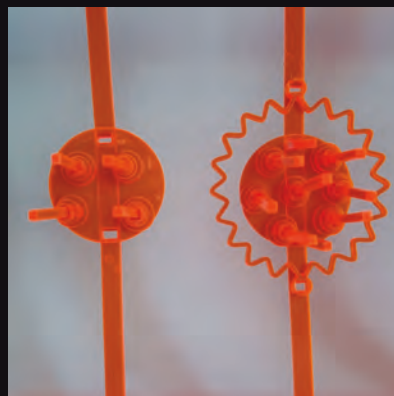
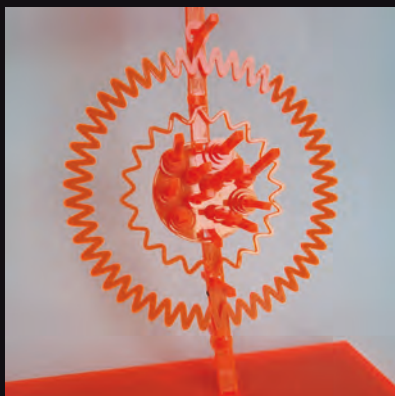


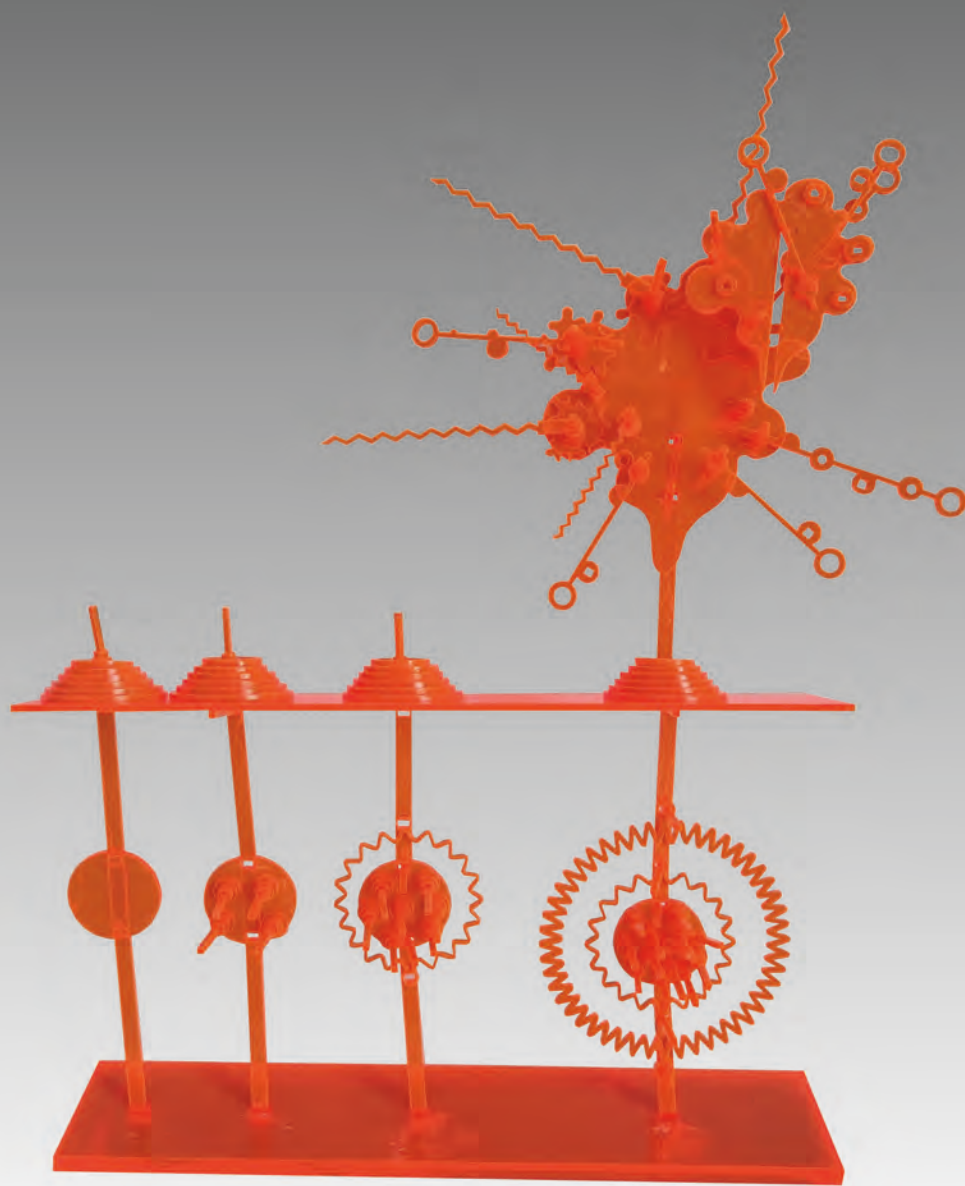


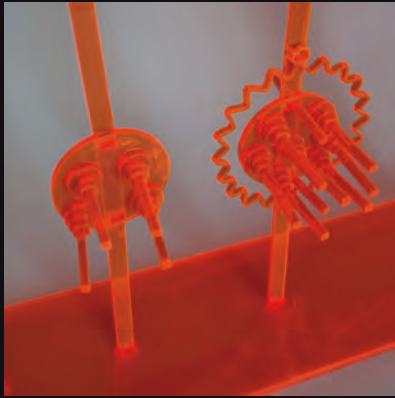


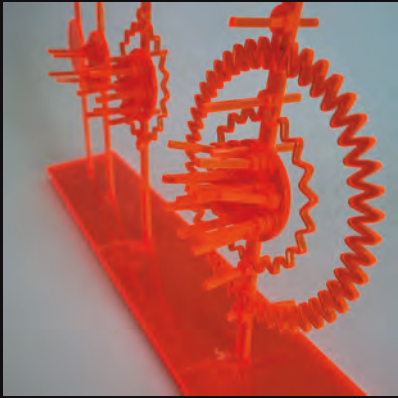
GEPLANTES OBJEKT

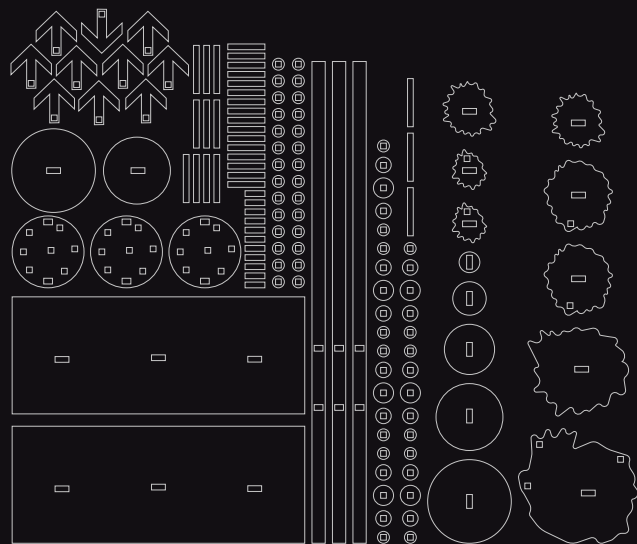
Farbvariation I | Geklebt







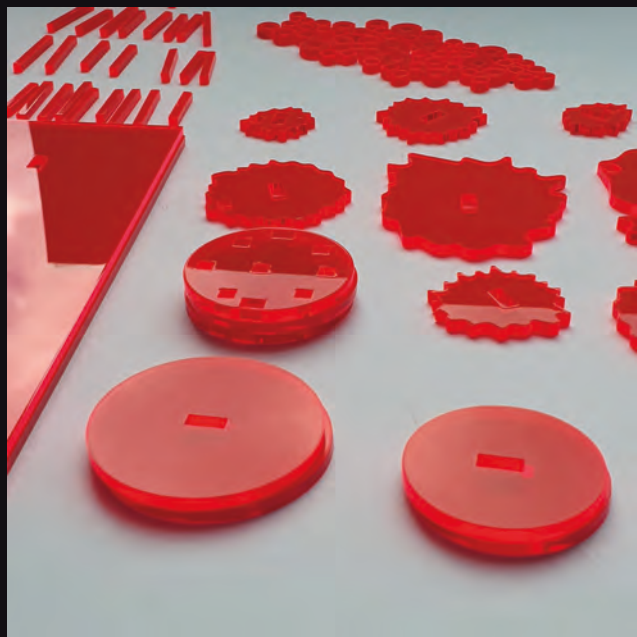


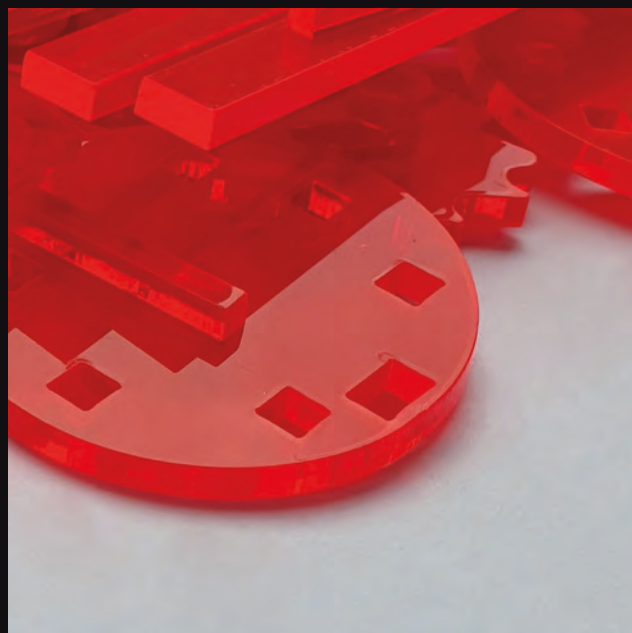


CUTOUT 16

EINZELTEILE

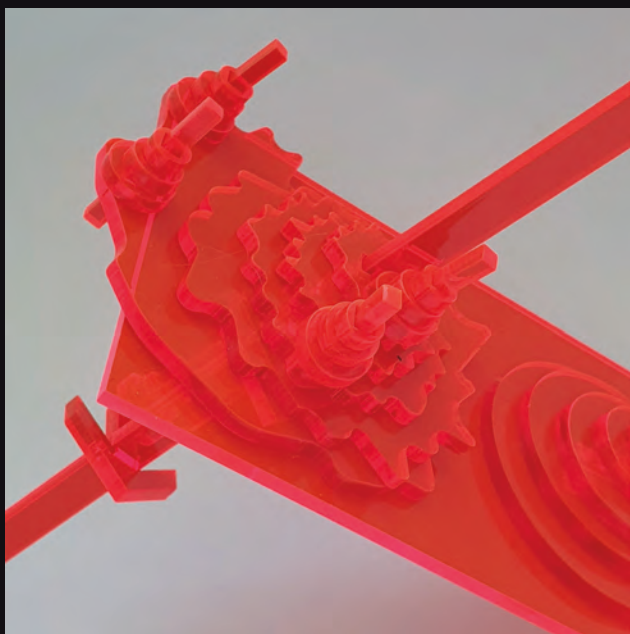


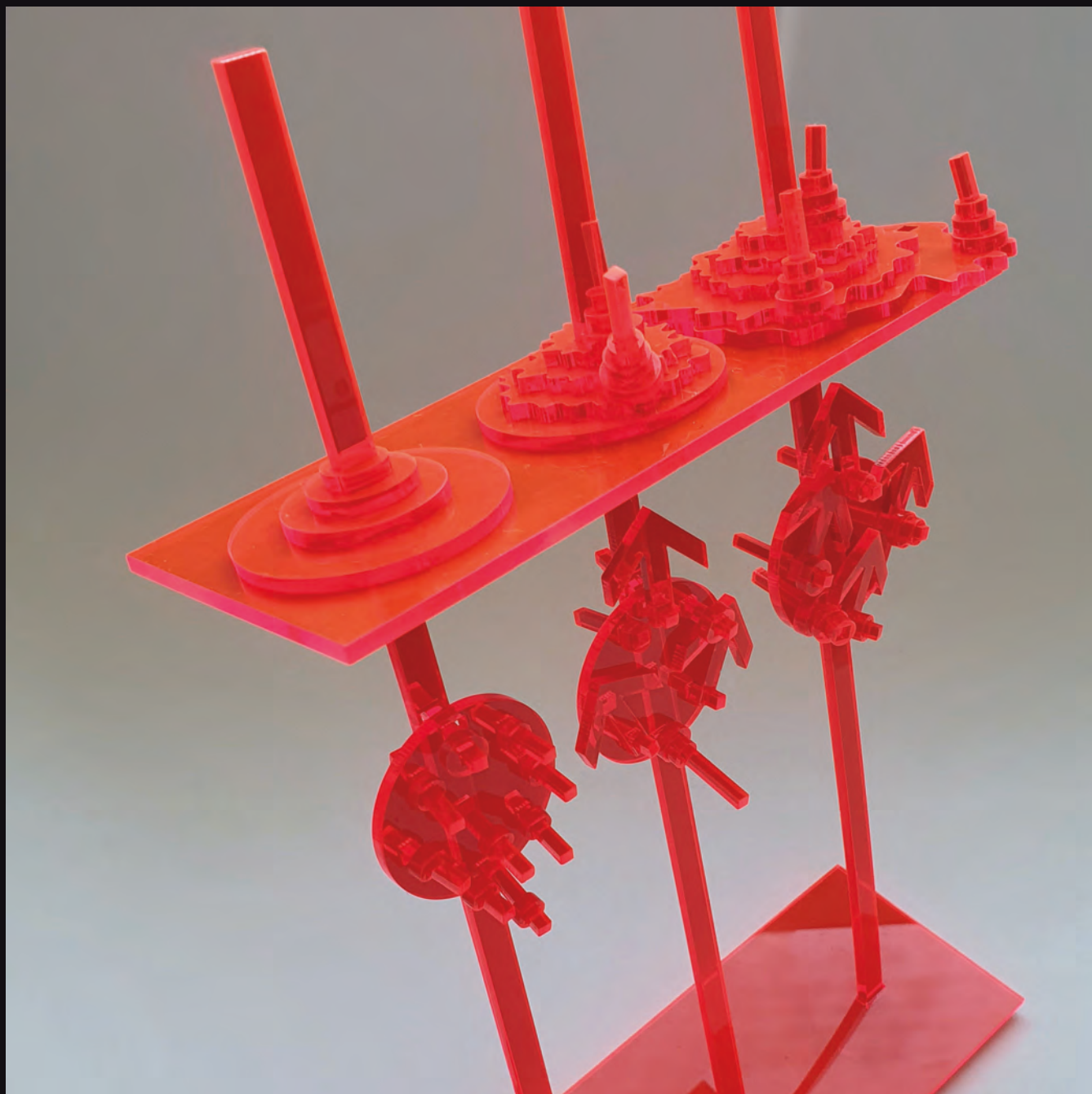




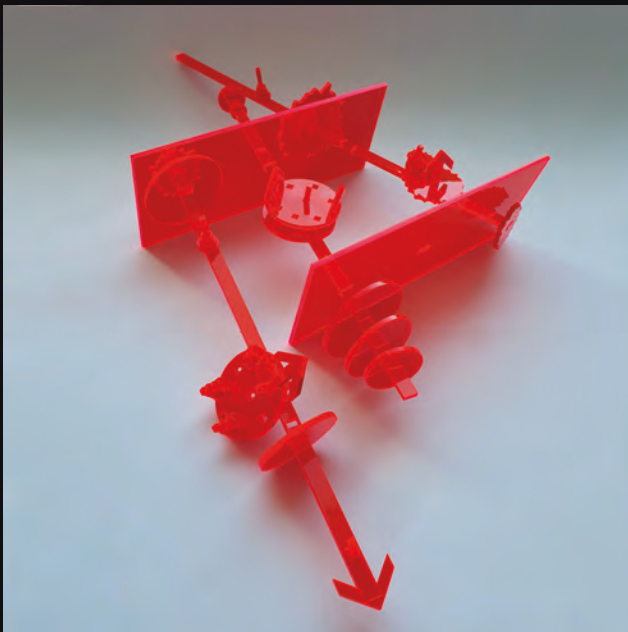
GEPLANTES OBJEKT

Gesteckt





STECKVARIATIONEN



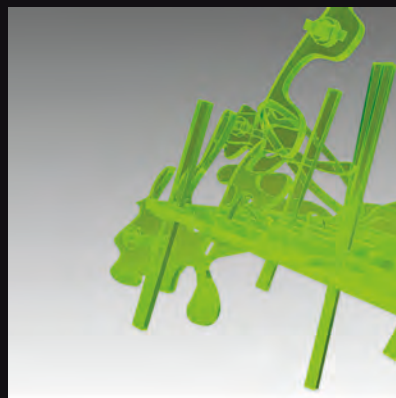
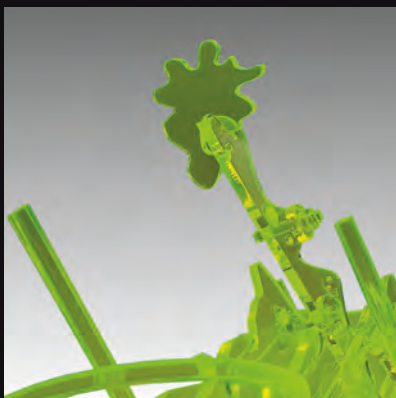
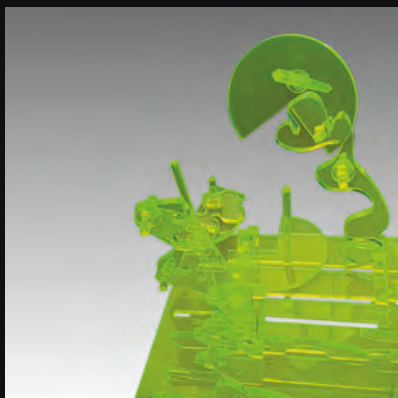


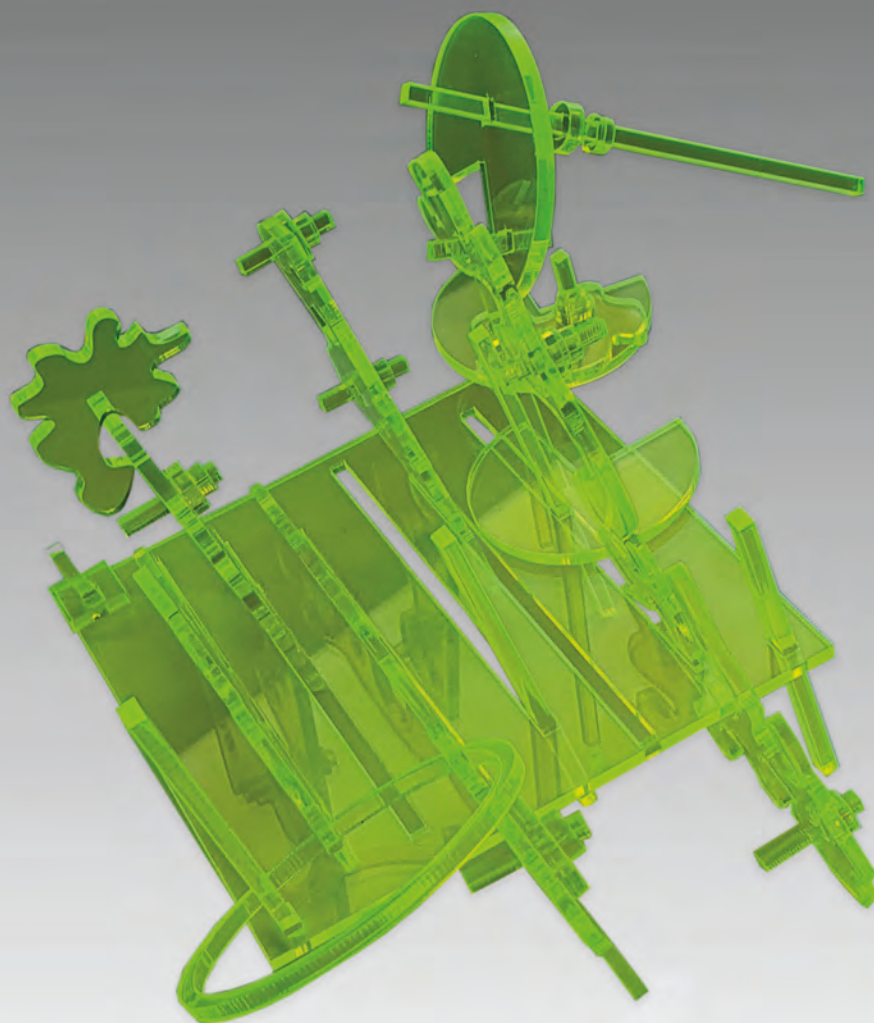
MODELLE KOMBINIERT

OBJEKT I

EINE FARBE

transparent

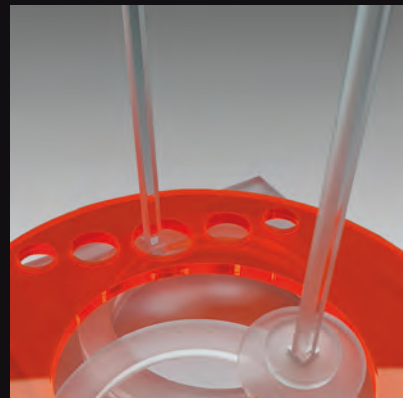
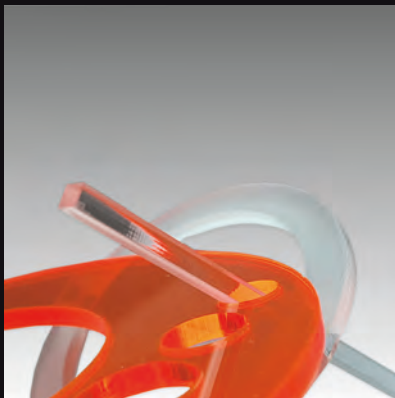




OBJEKT II

ZWEI FARBEN

transparent

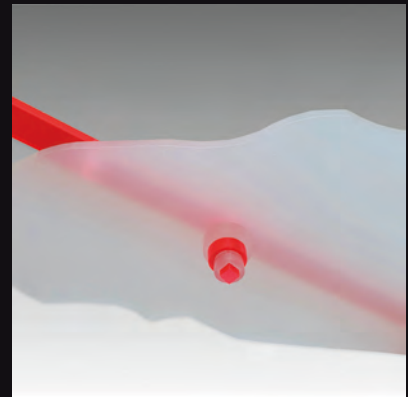
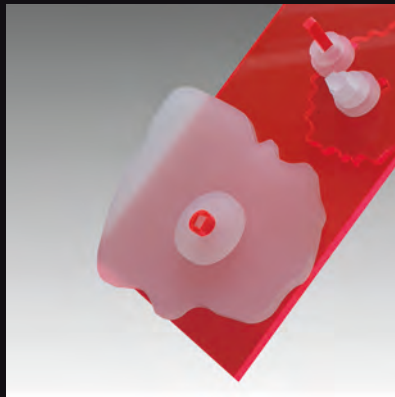
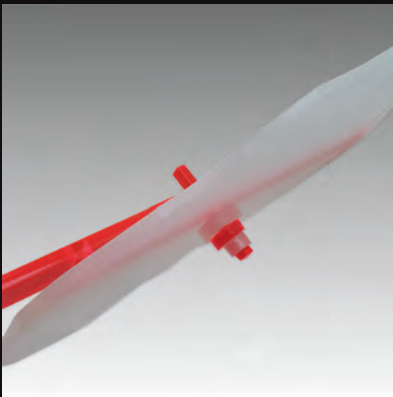


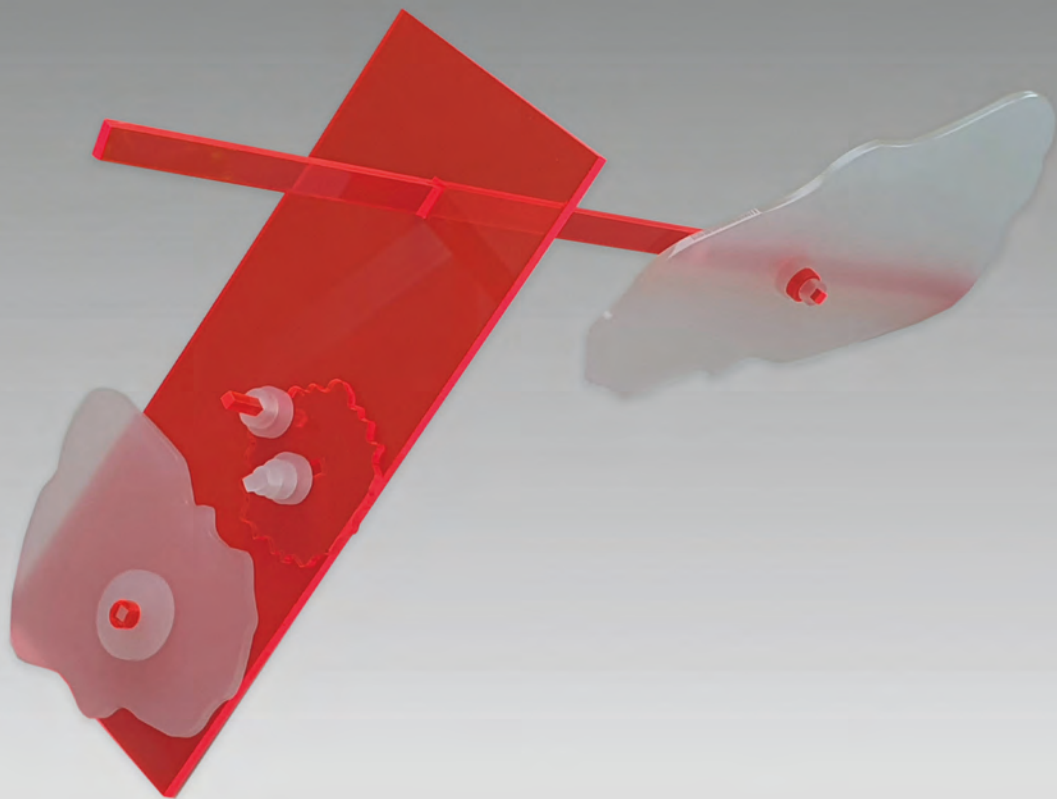


OBJEKT III

ZWEI FARBEN

transparent & transluzent

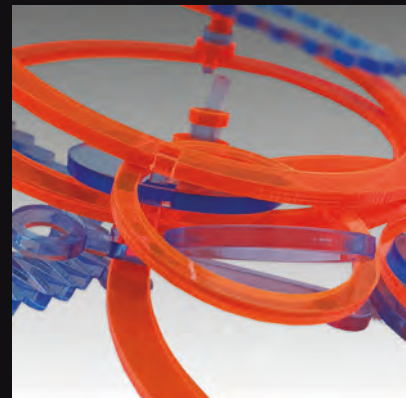
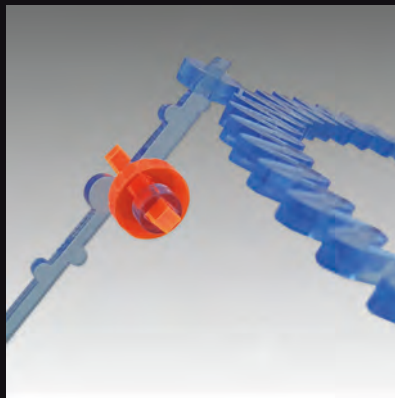
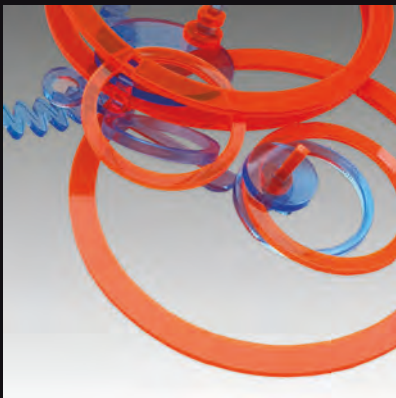


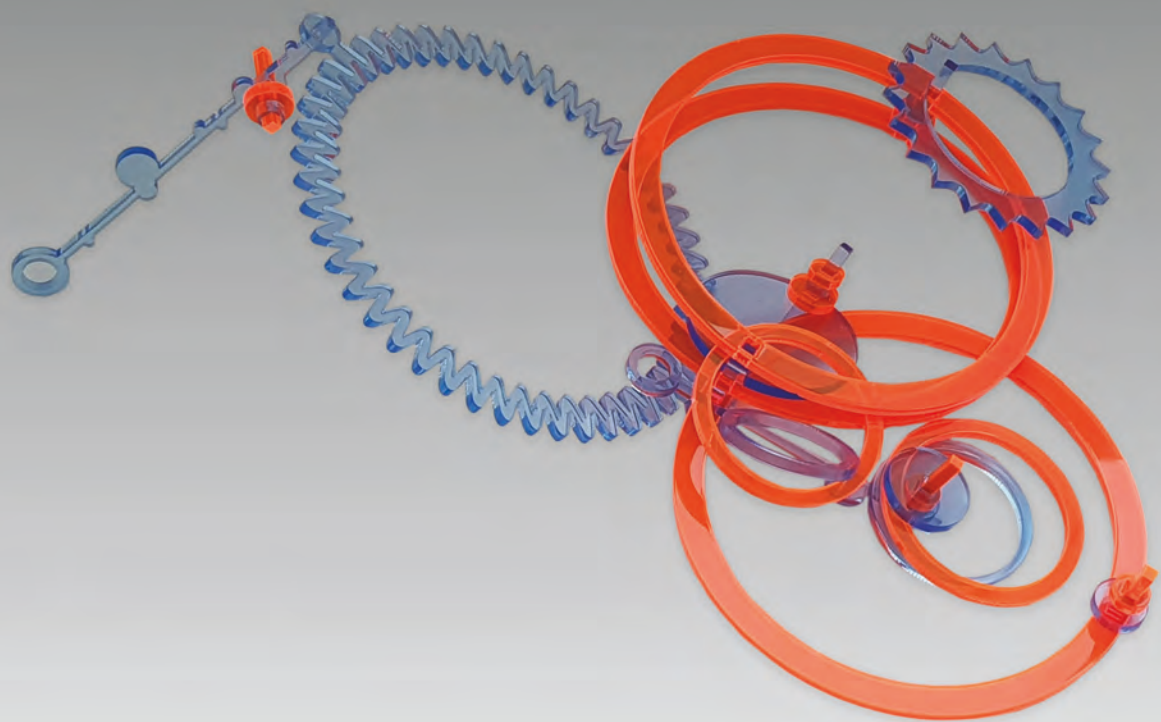


OBJEKT IV

DREI FARBEN

transparent

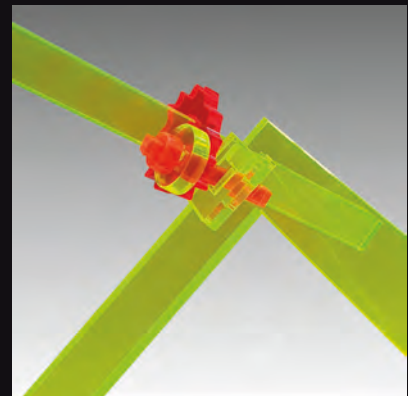
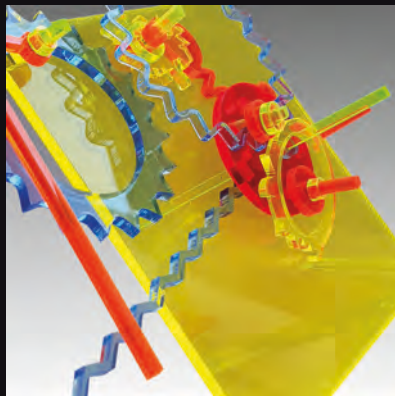
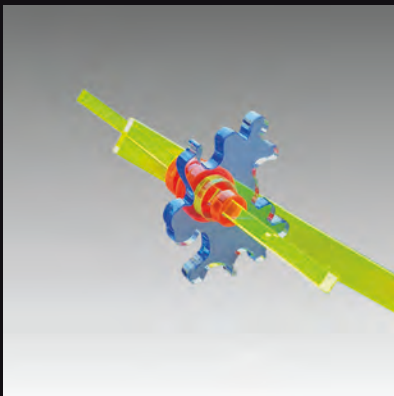




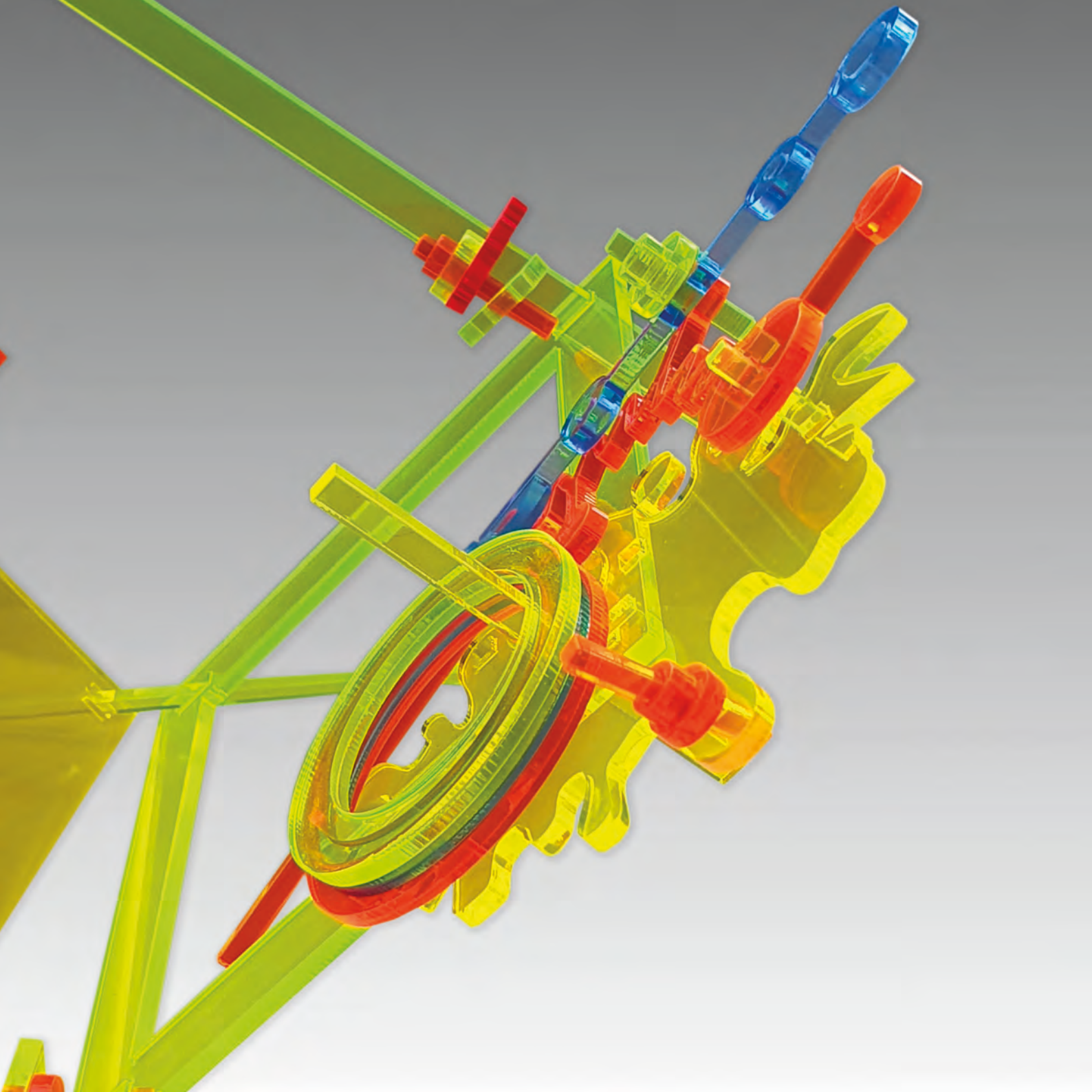
OBJEKT V

DREI FARBEN

transparent



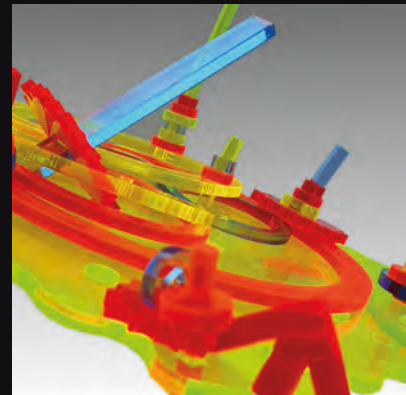
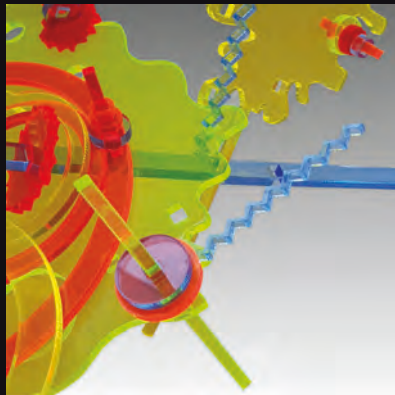


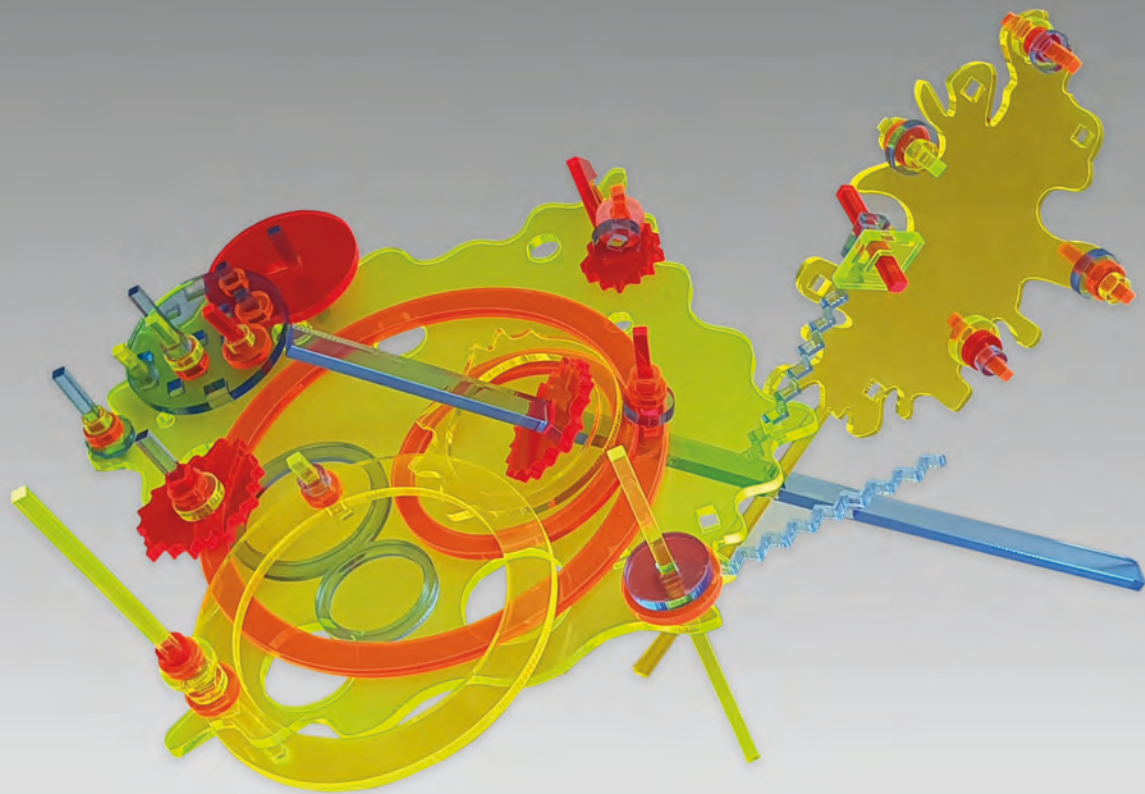


OBJEKT VI

ALLE FARBEN

transparent





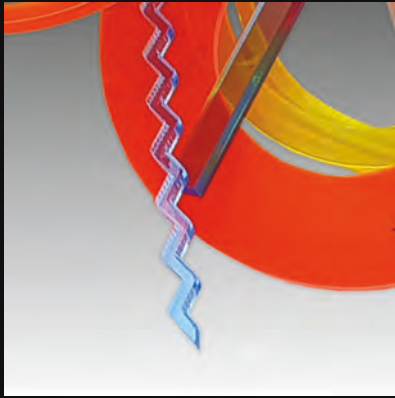
OBJEKT VII

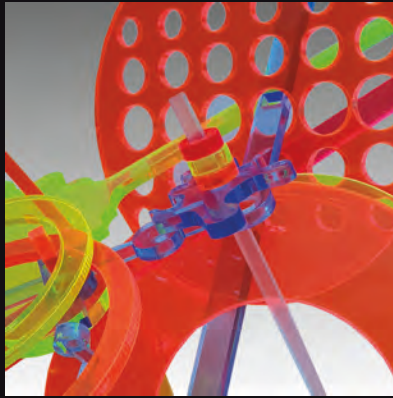
ALLE FARBEN

transparent





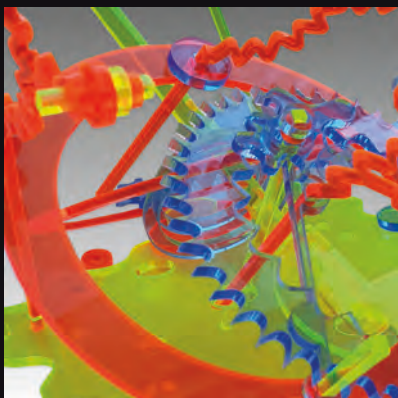


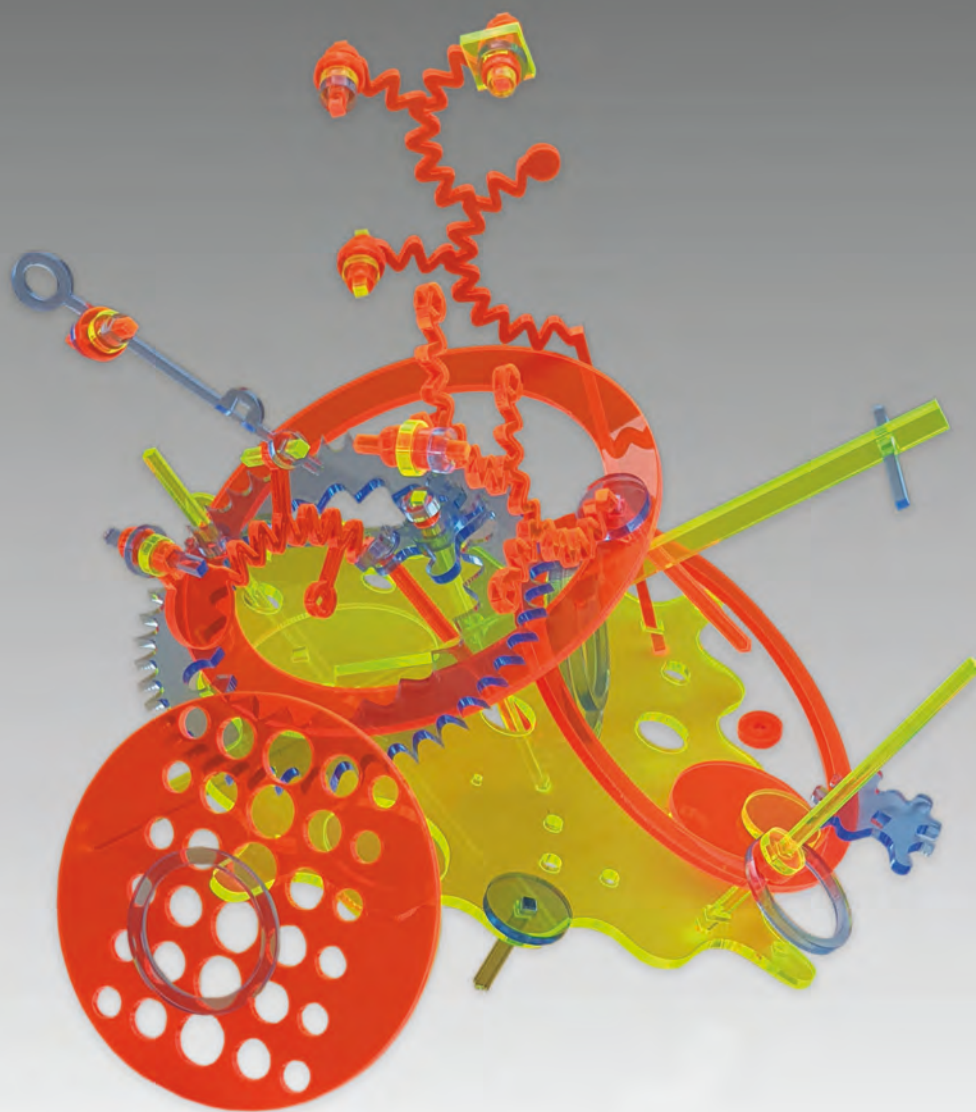


OBJEKT VIII

ALLE FARBEN

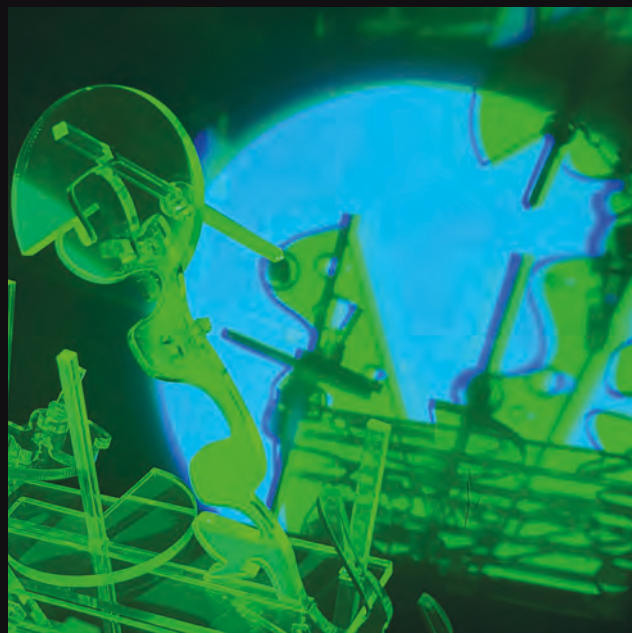
transparent





LICHT- & SCHATTENSTUDIEN

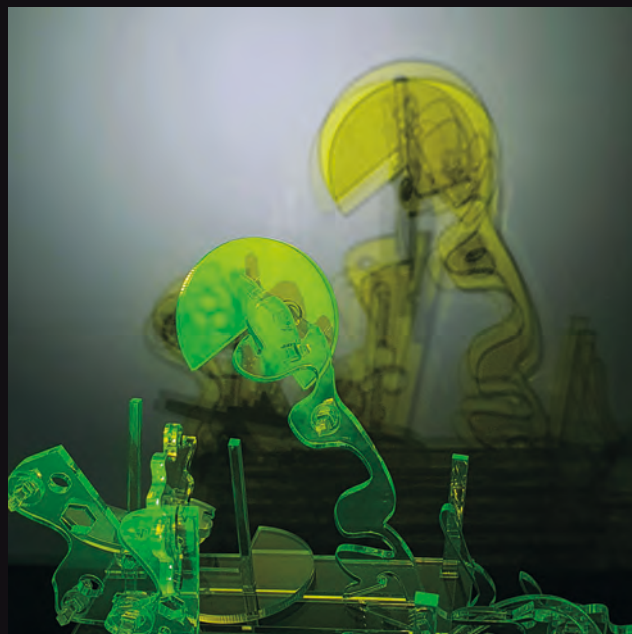


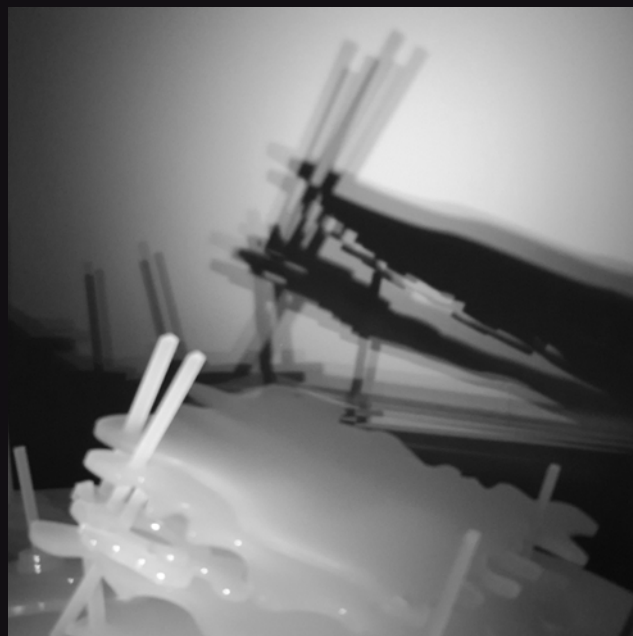




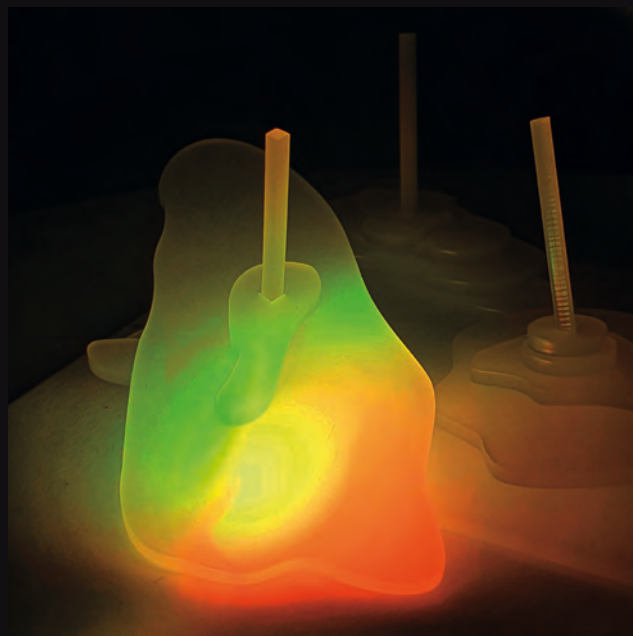


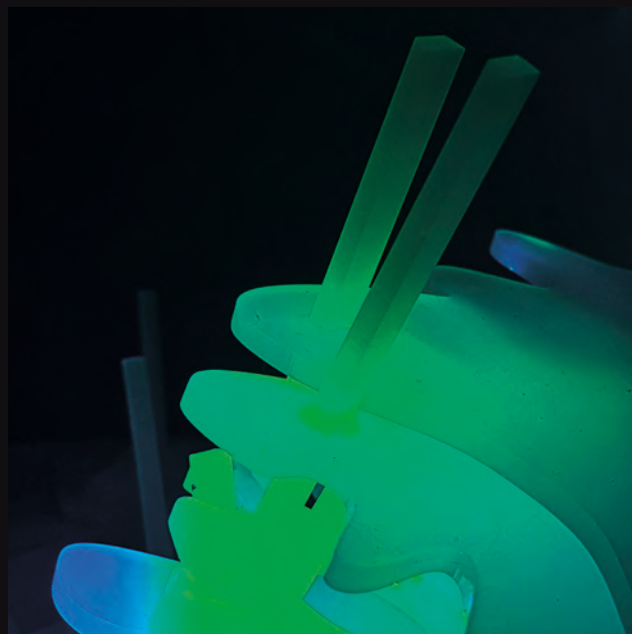


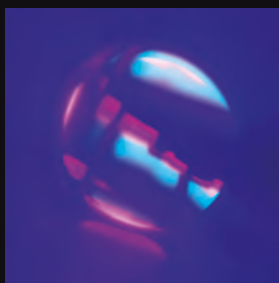
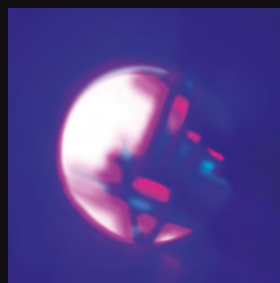
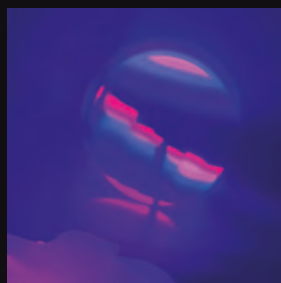


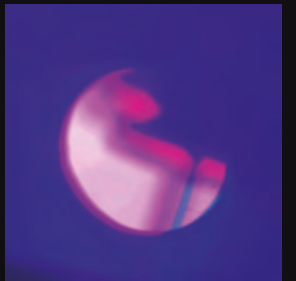
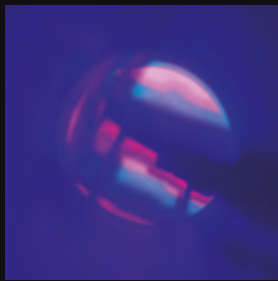


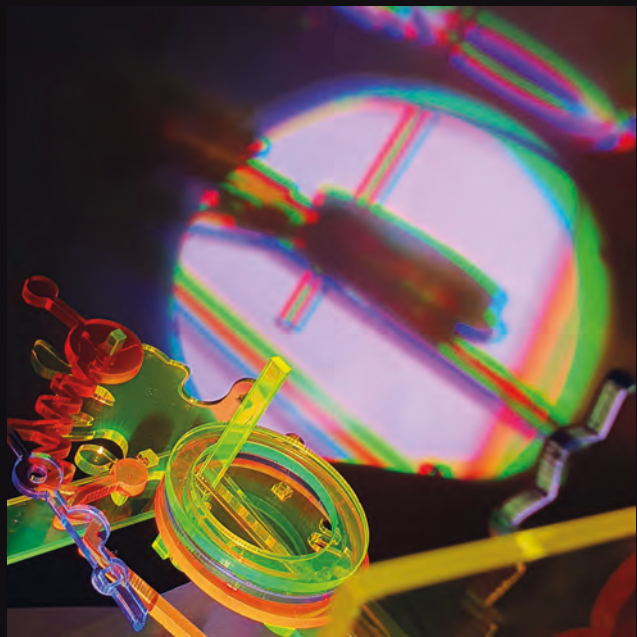


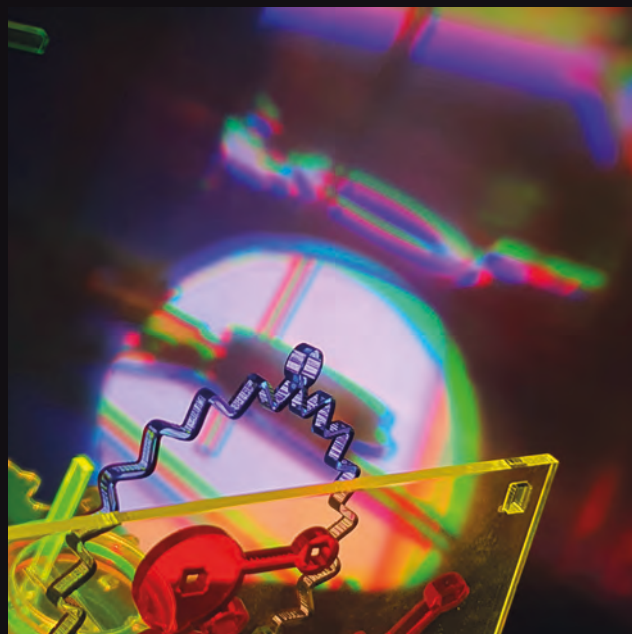


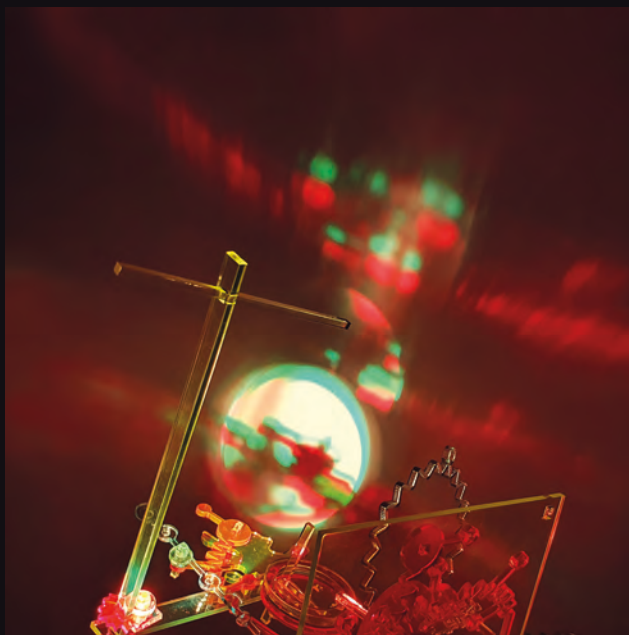


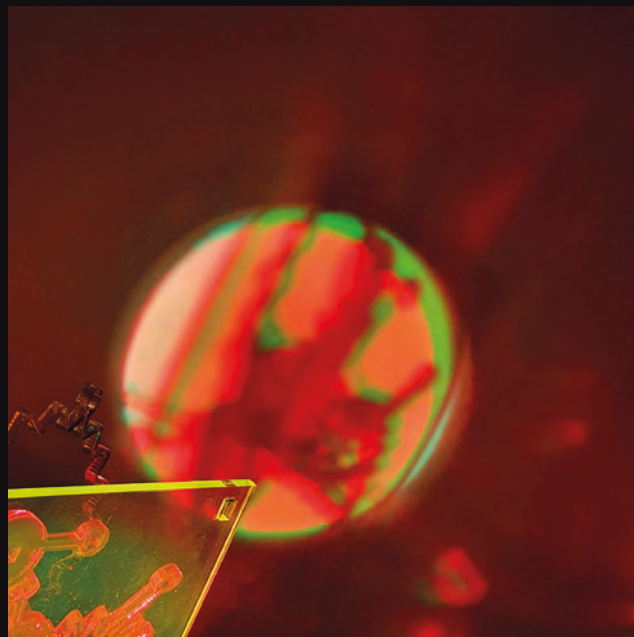


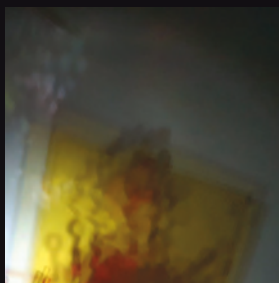
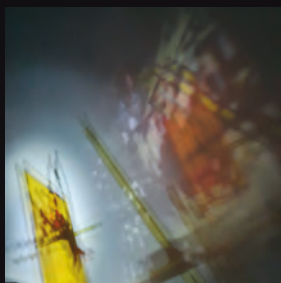


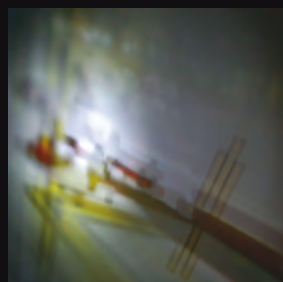
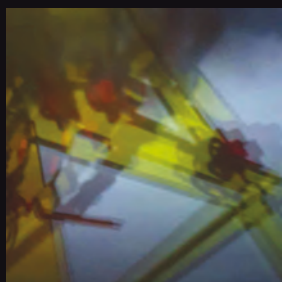
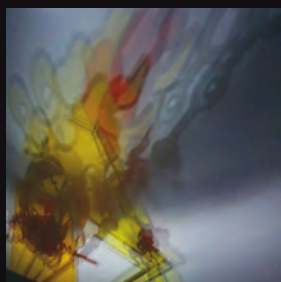




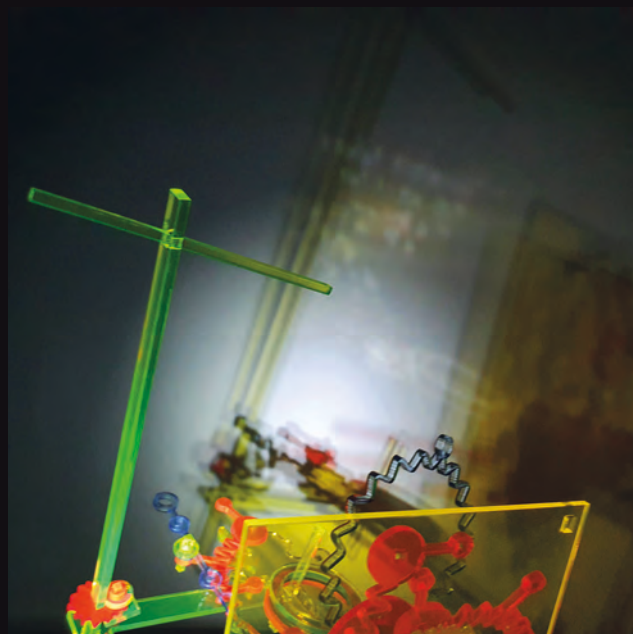


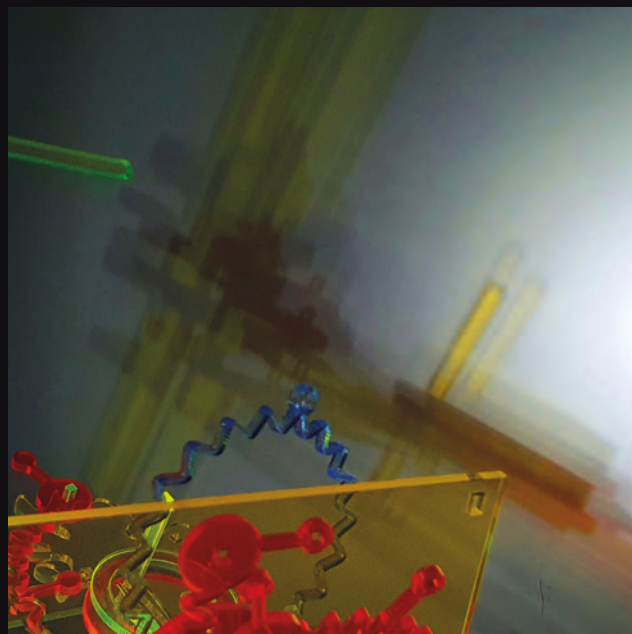


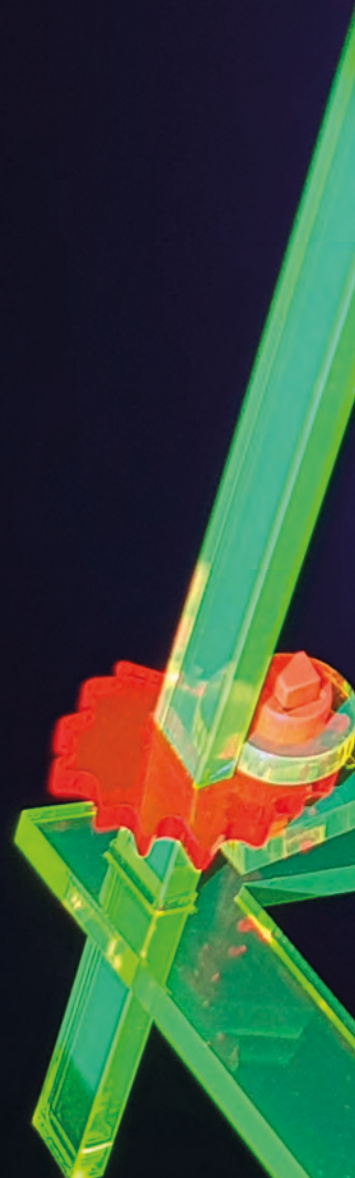


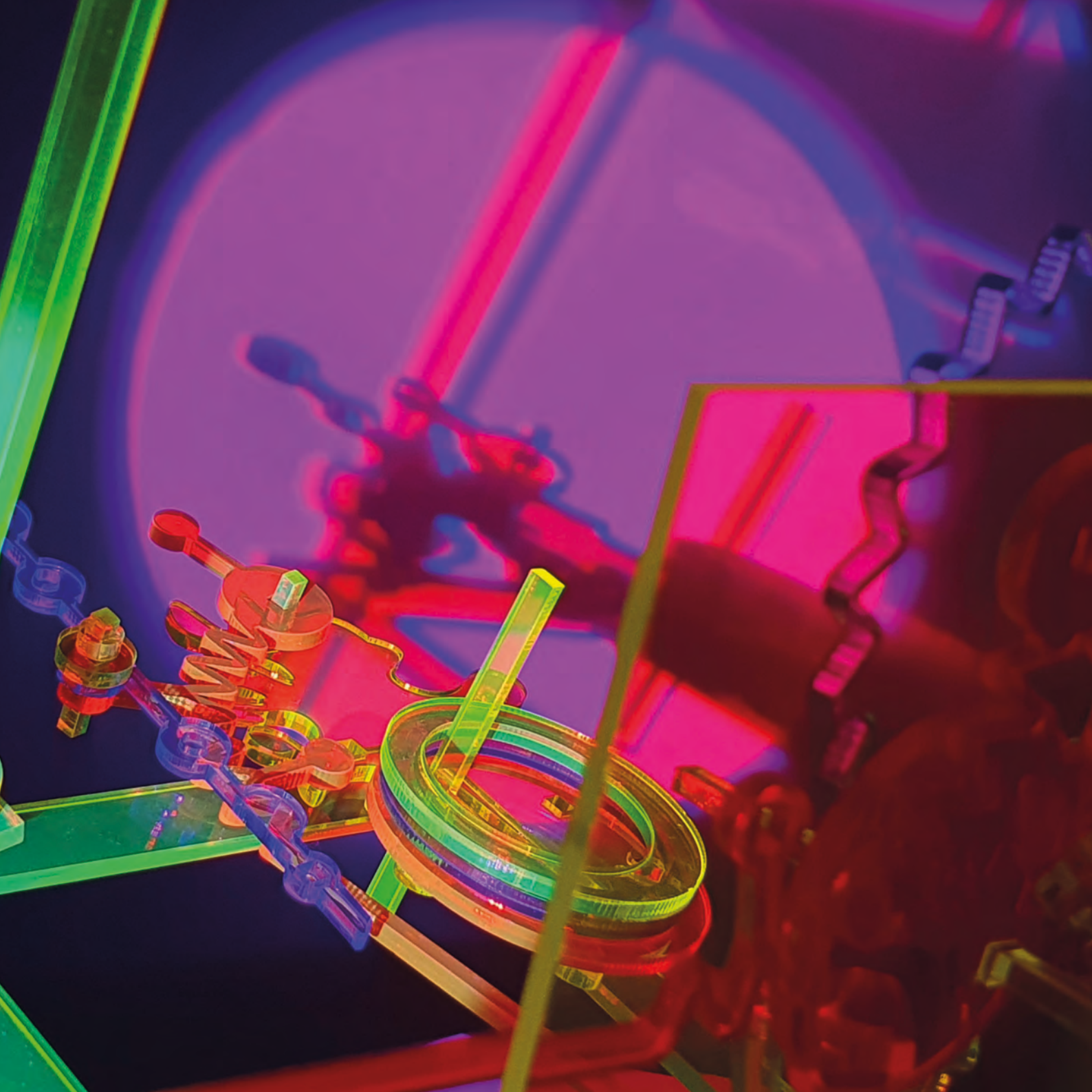




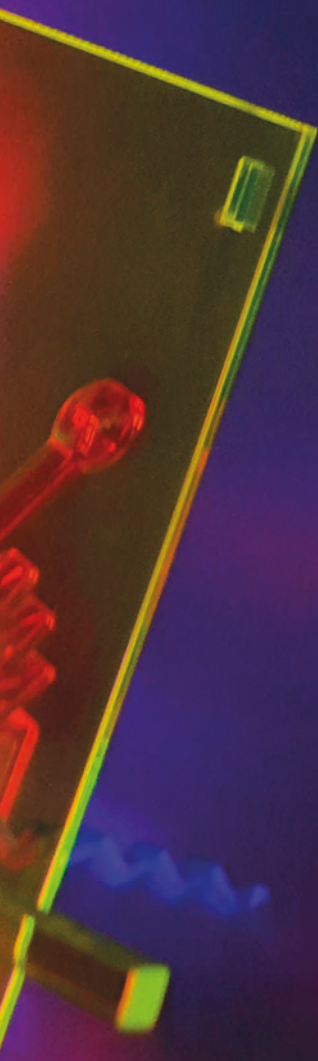


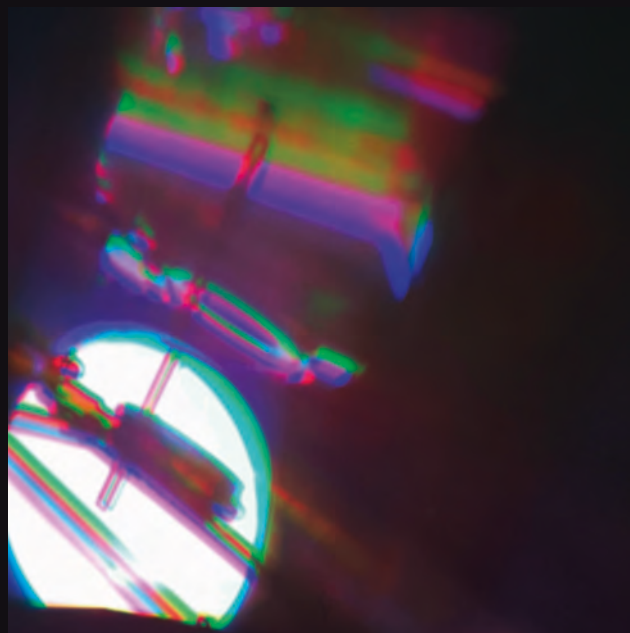




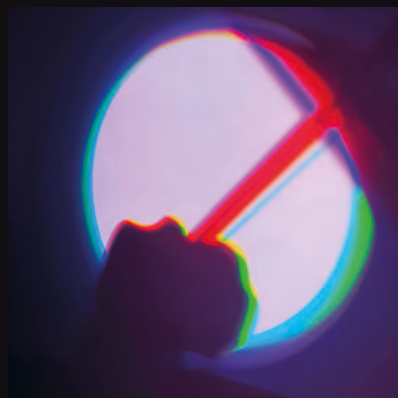
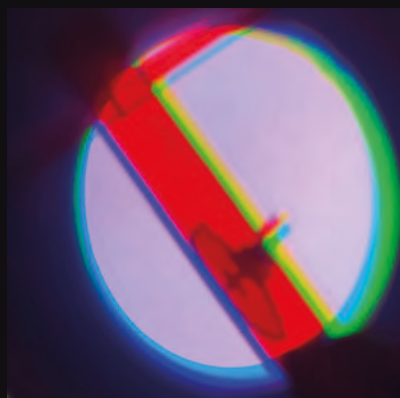






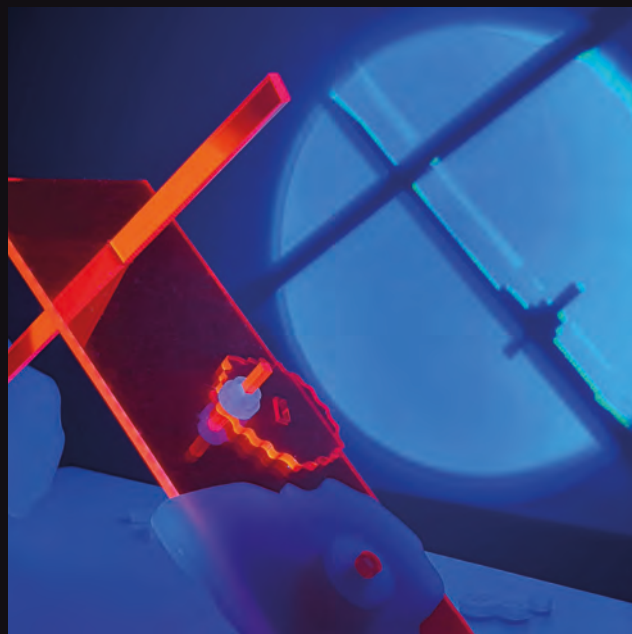




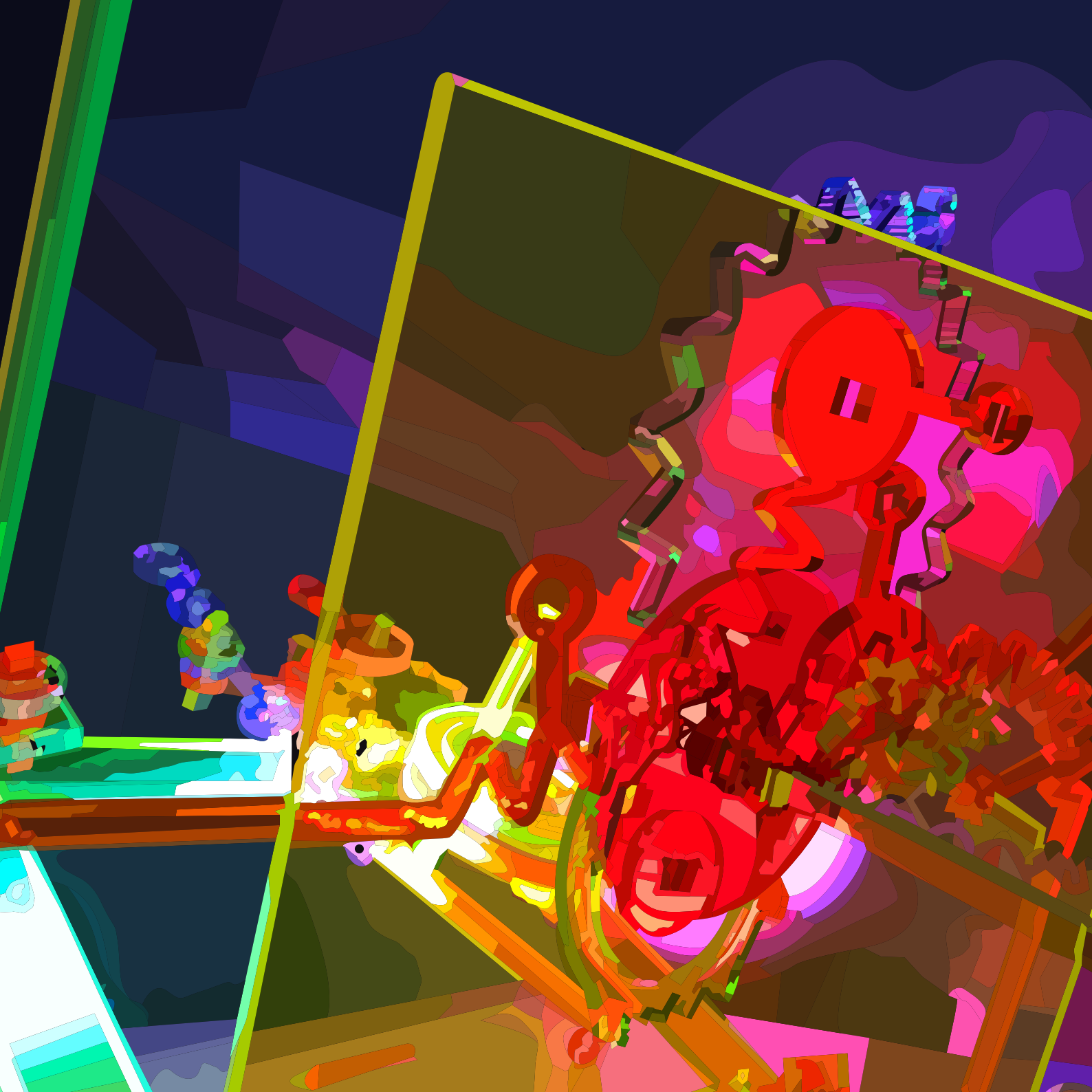


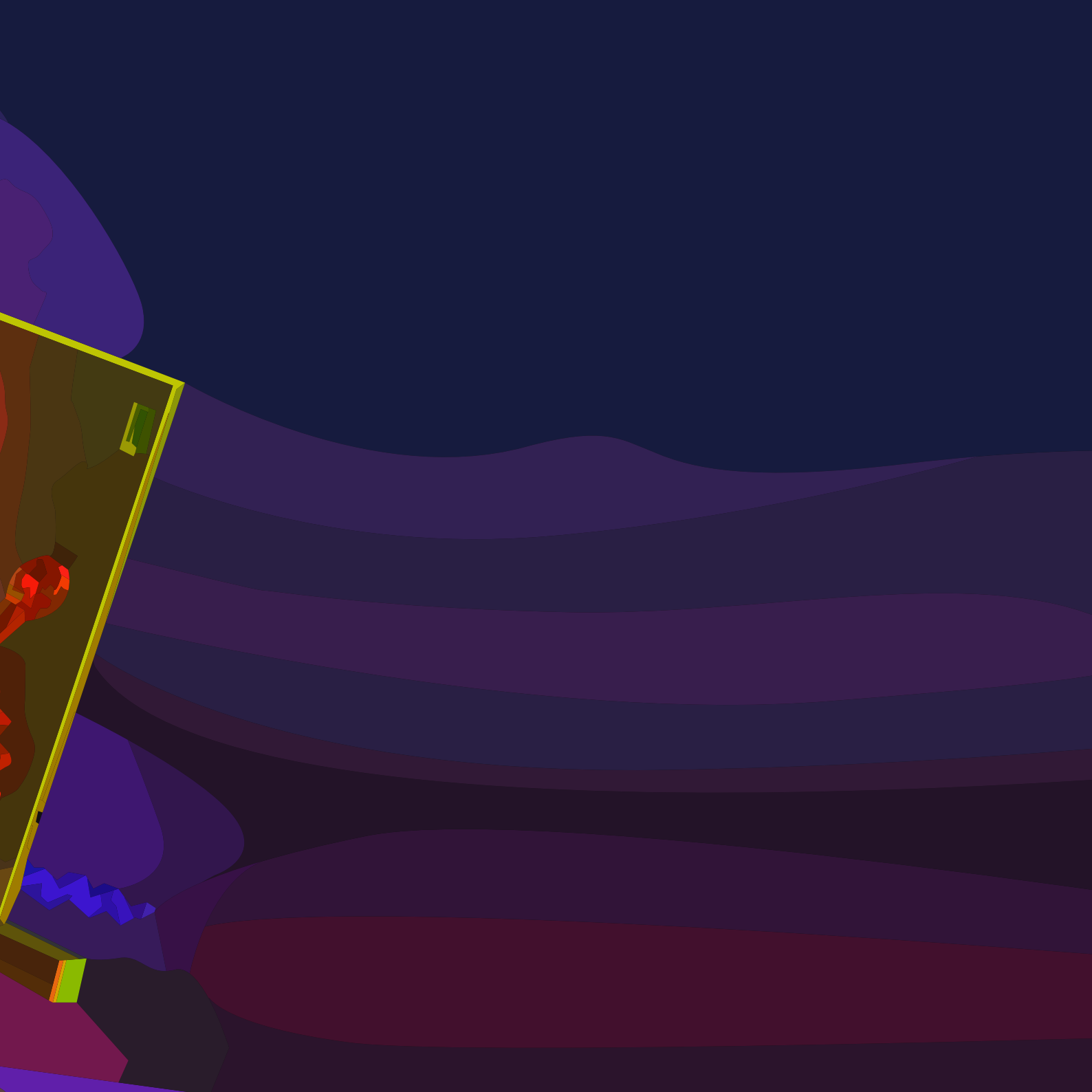




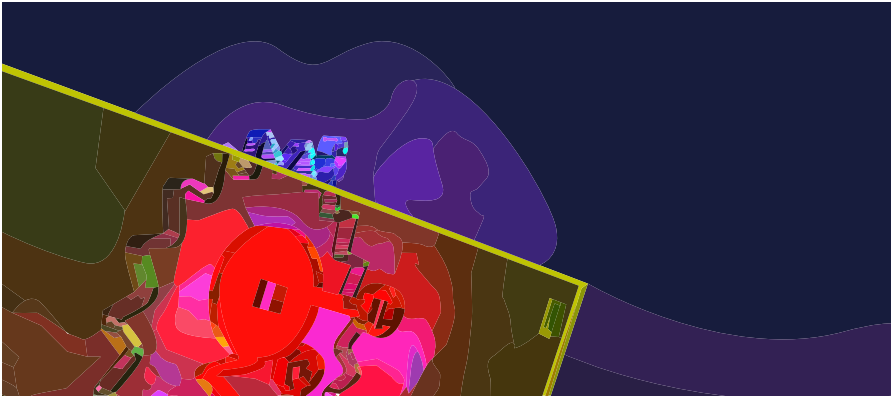


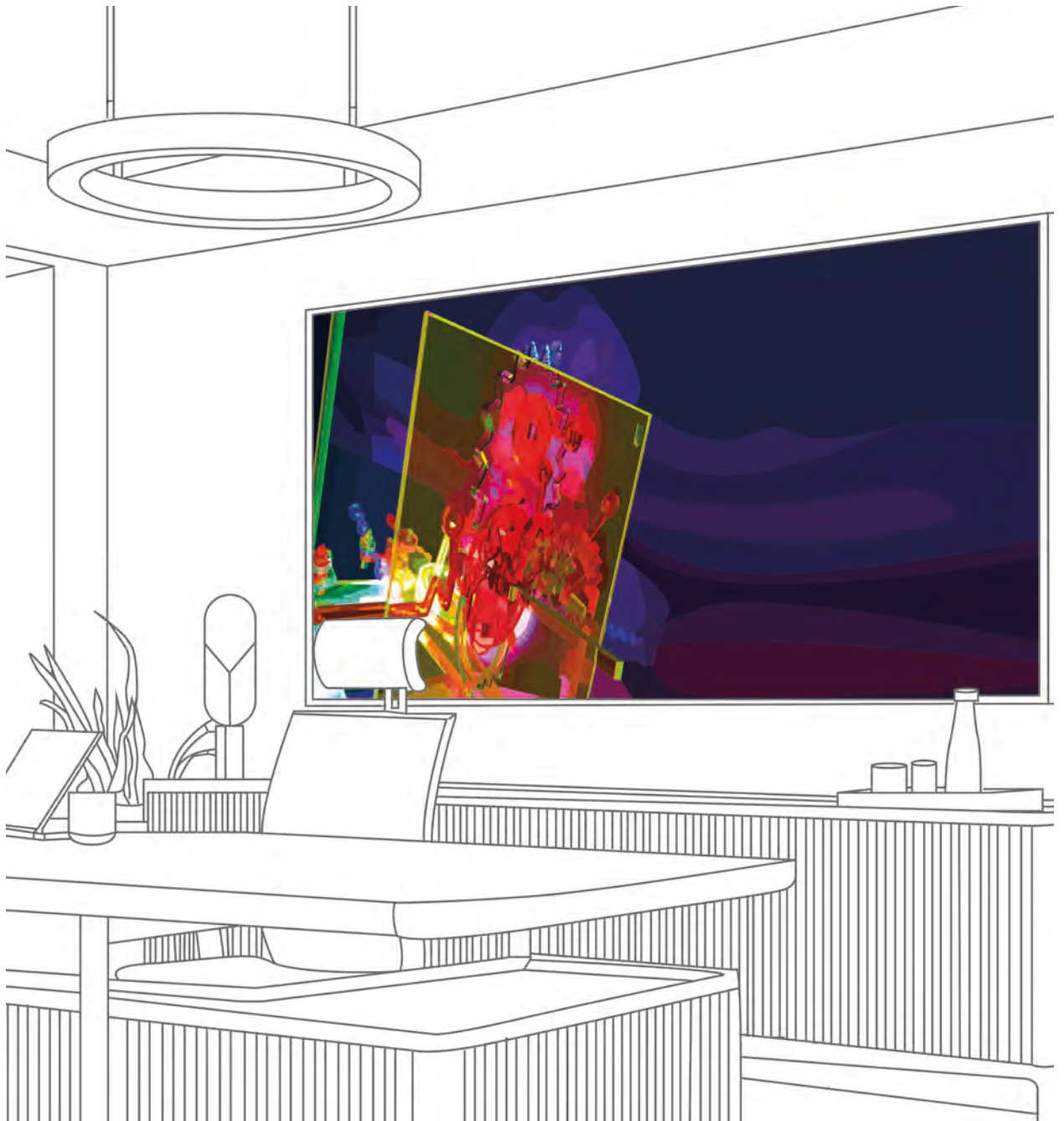
VEKTORISIERUNG

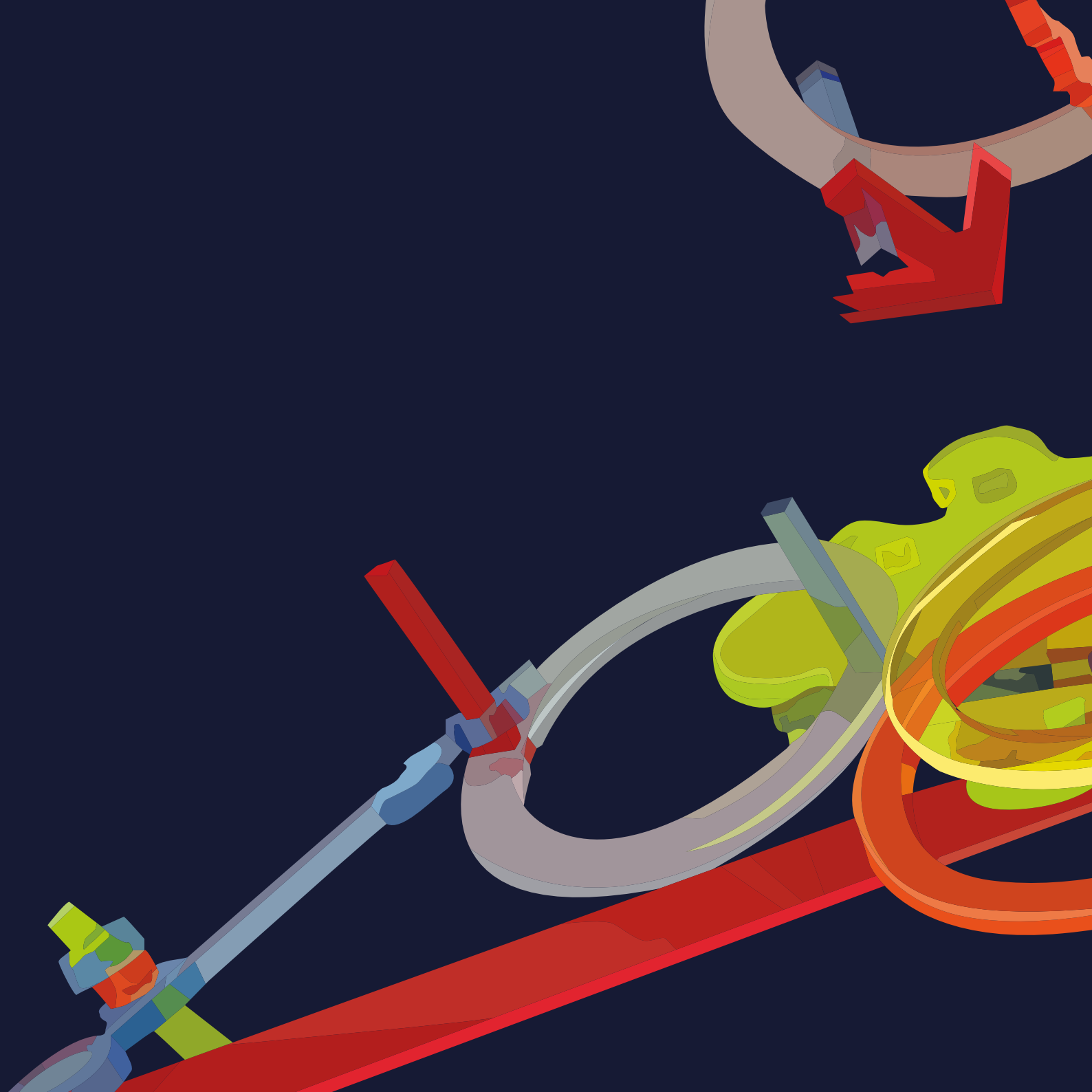


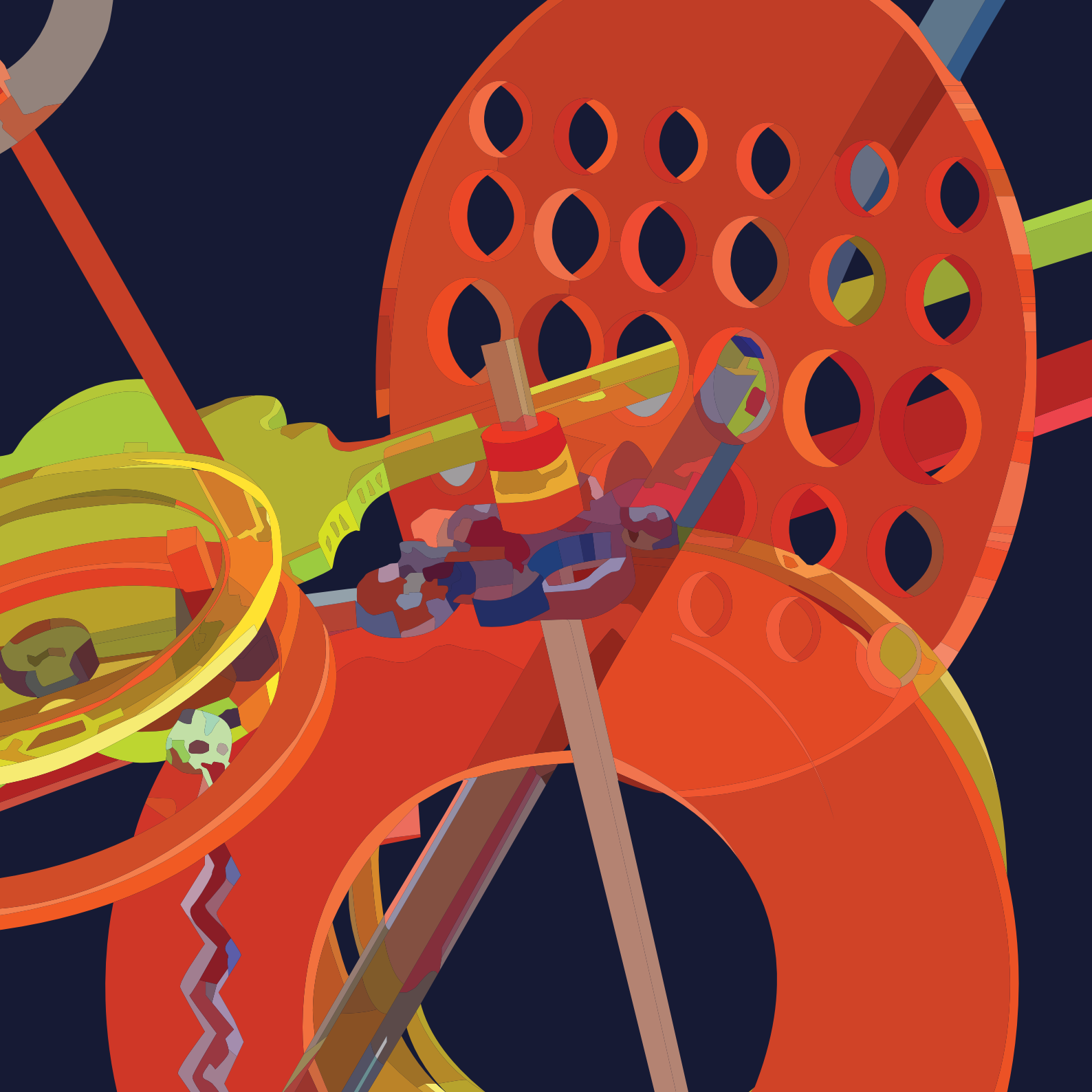


ANWENDUNGSBEISPIEL









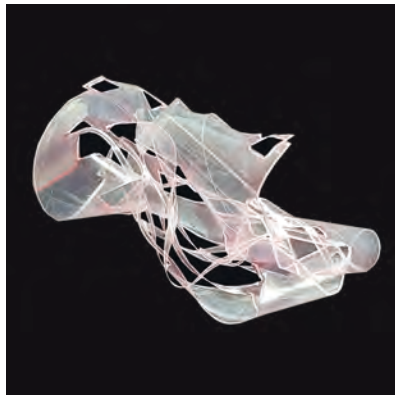
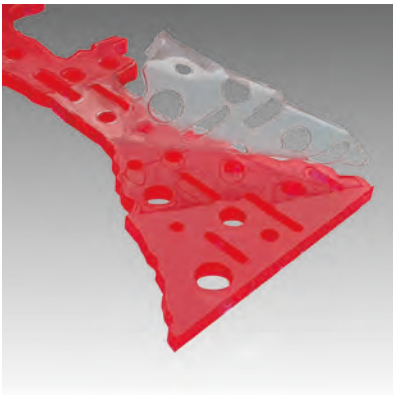
RESTEVERWERTUNG

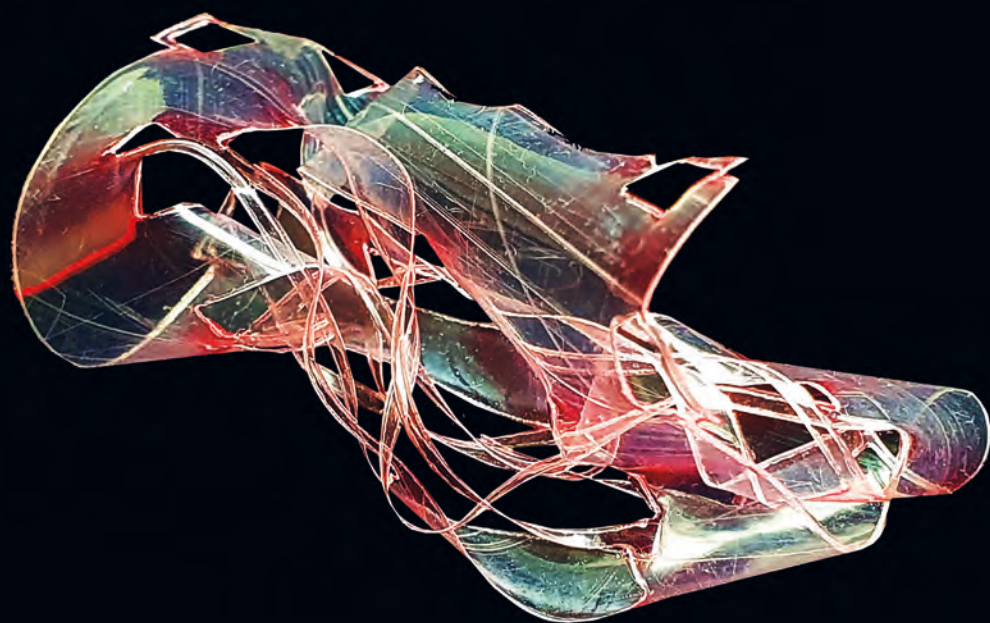
FOLIENFORM GRAPHISCH WEITER BEARBEITEN

KONTEXT

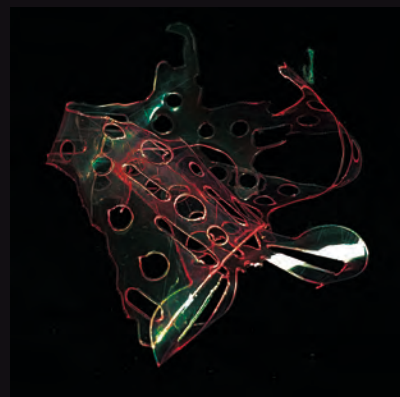
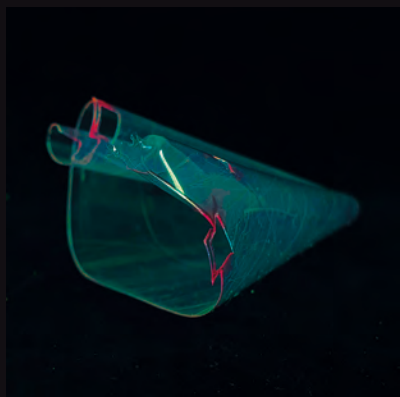
¹ Vgl. ARTEde. (2019, 13. Juli): Wenn Vulkane erwachen | Doku | ARTE. [online] <https://www.youtube.com/watch?v=harhu4tauK4&t=528s> [20.10.2020].

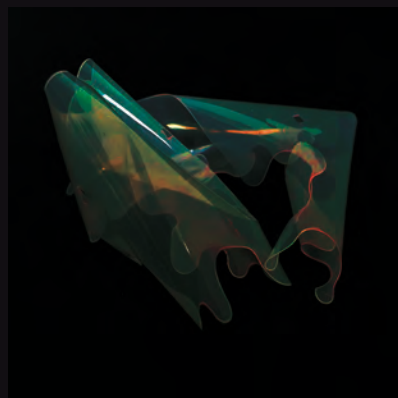
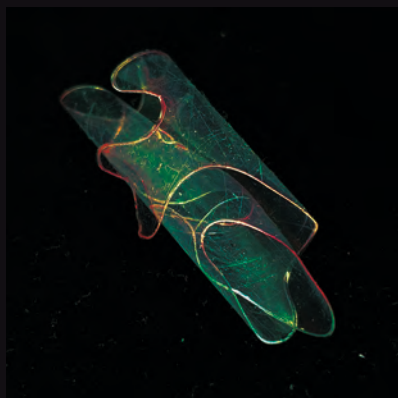
Jedes Steckmodul besitzt eine Schutzfolie, welche jeweils von Vorder- & Rückseit abgezogen werden muss. Die Folien erinnern an Lebewesen eines Mikrokosmos. „Den Ursprung allen Lebens, welches vermutlich am Fuße eines Vulkans entstanden ist“ ¹. Auch aus diesen Folienobjekten könnte ich wieder einen neuen Formenkatalog gestalten.

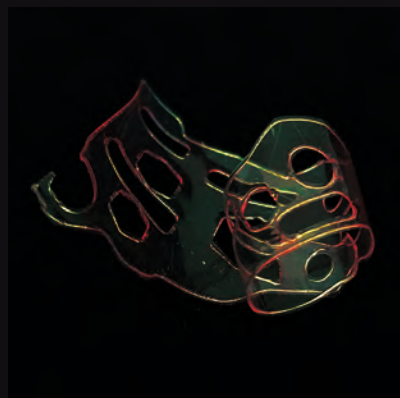
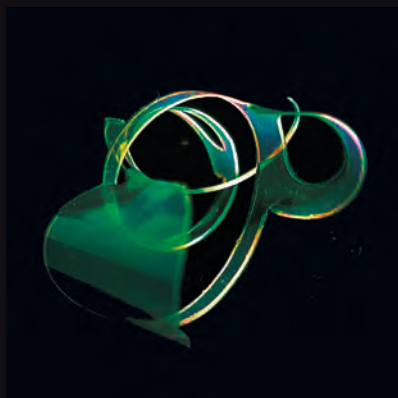


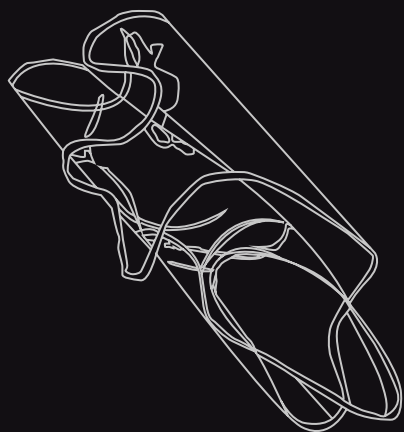














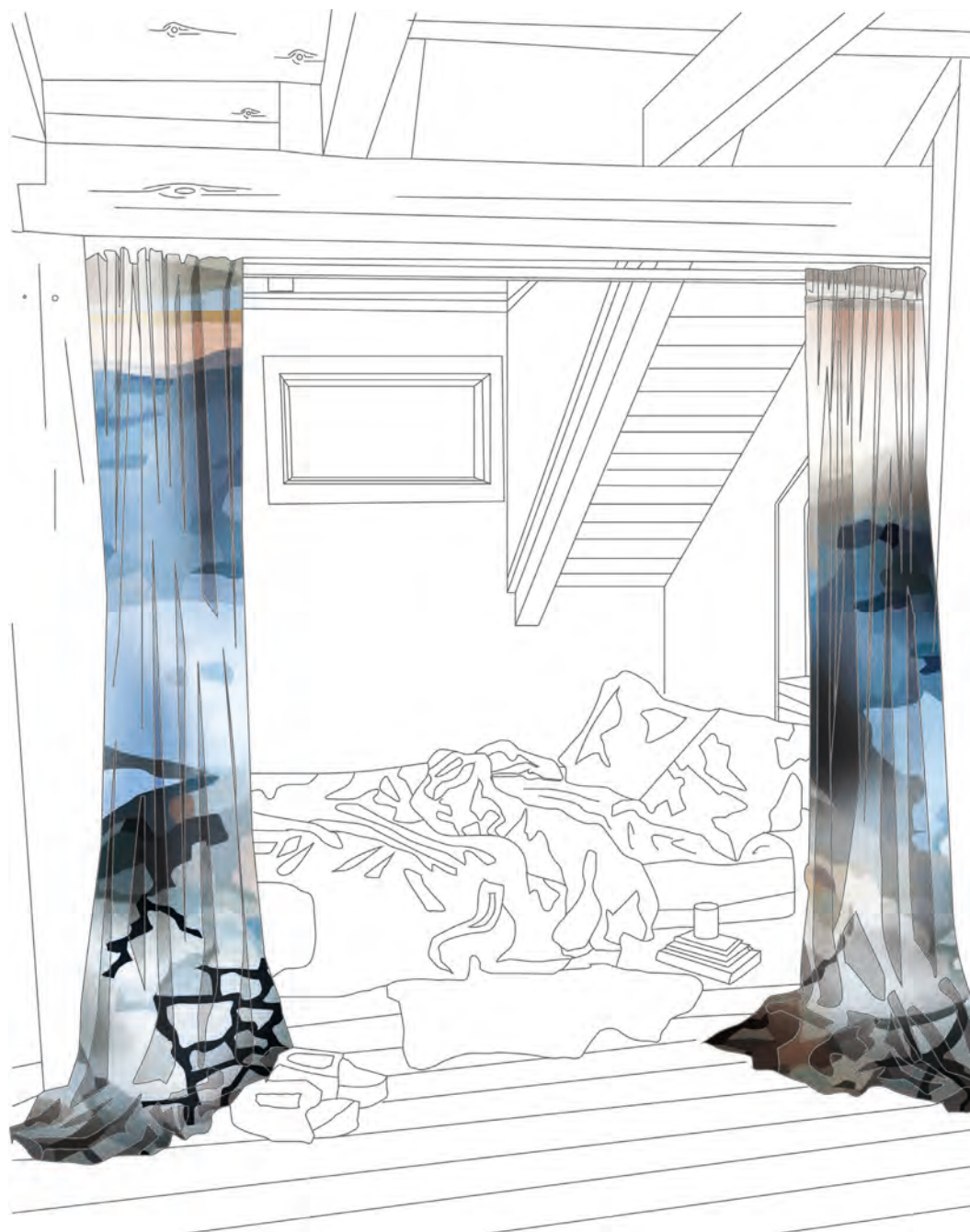
ANWENDUNGSBEISPIELE















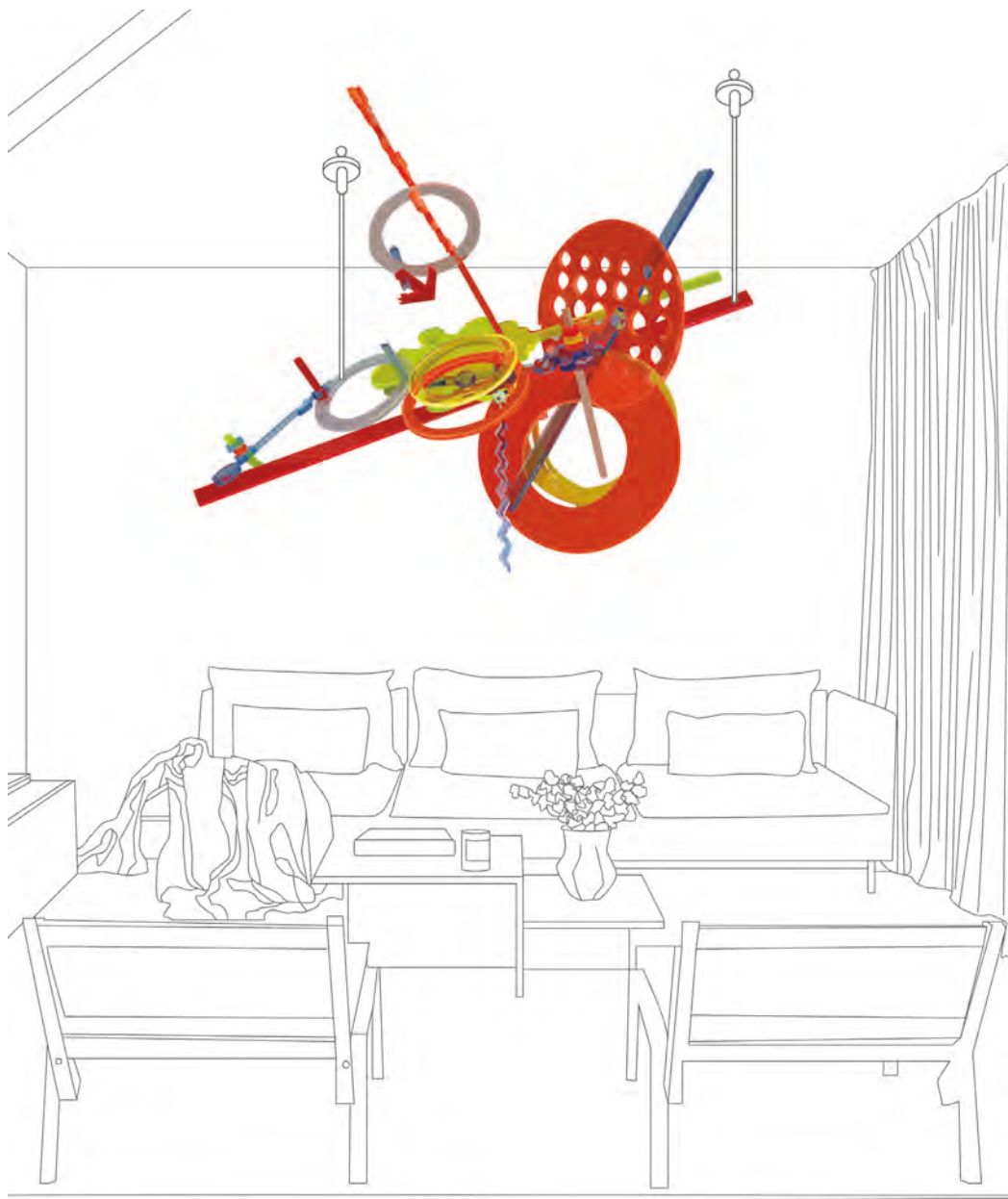




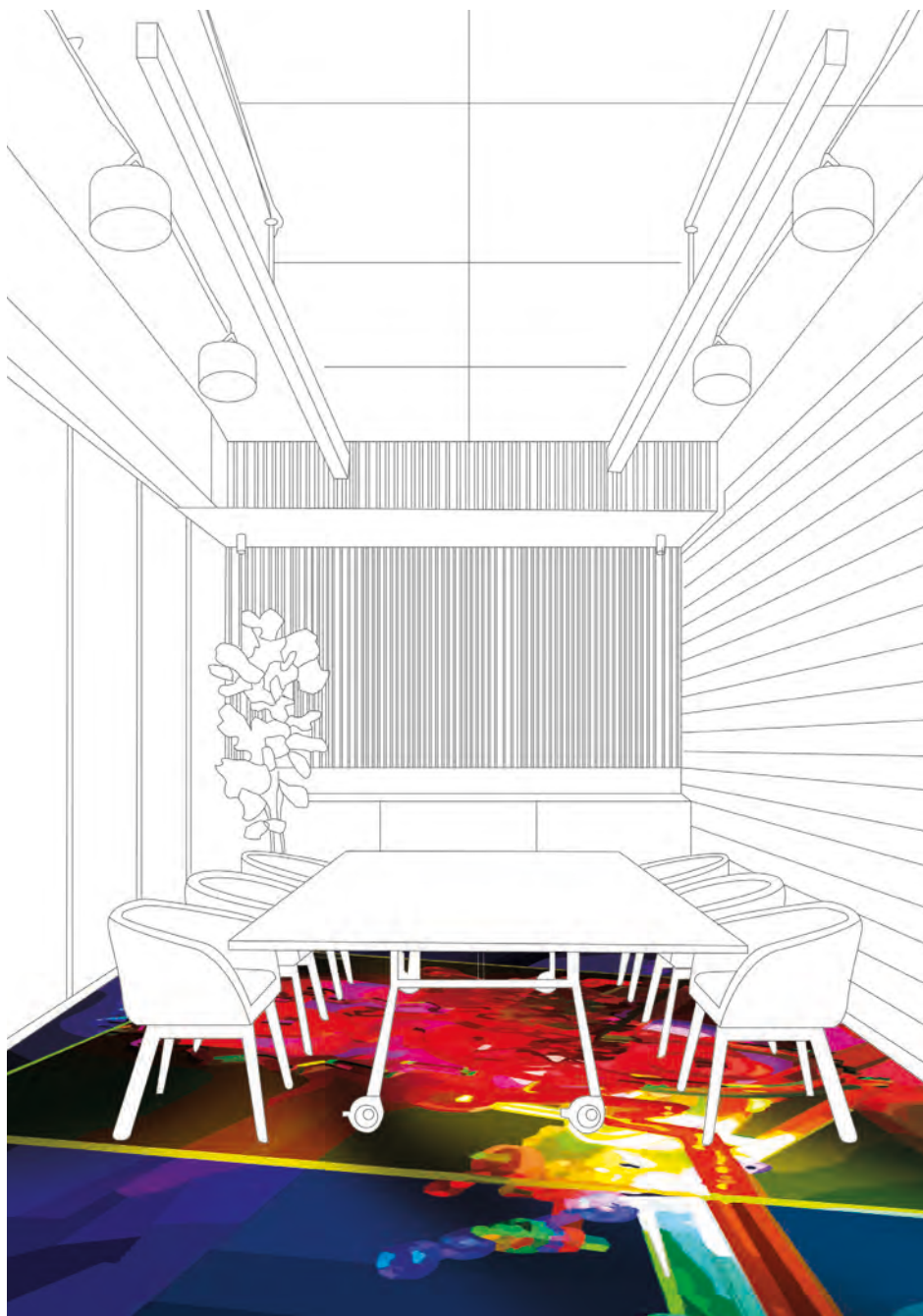




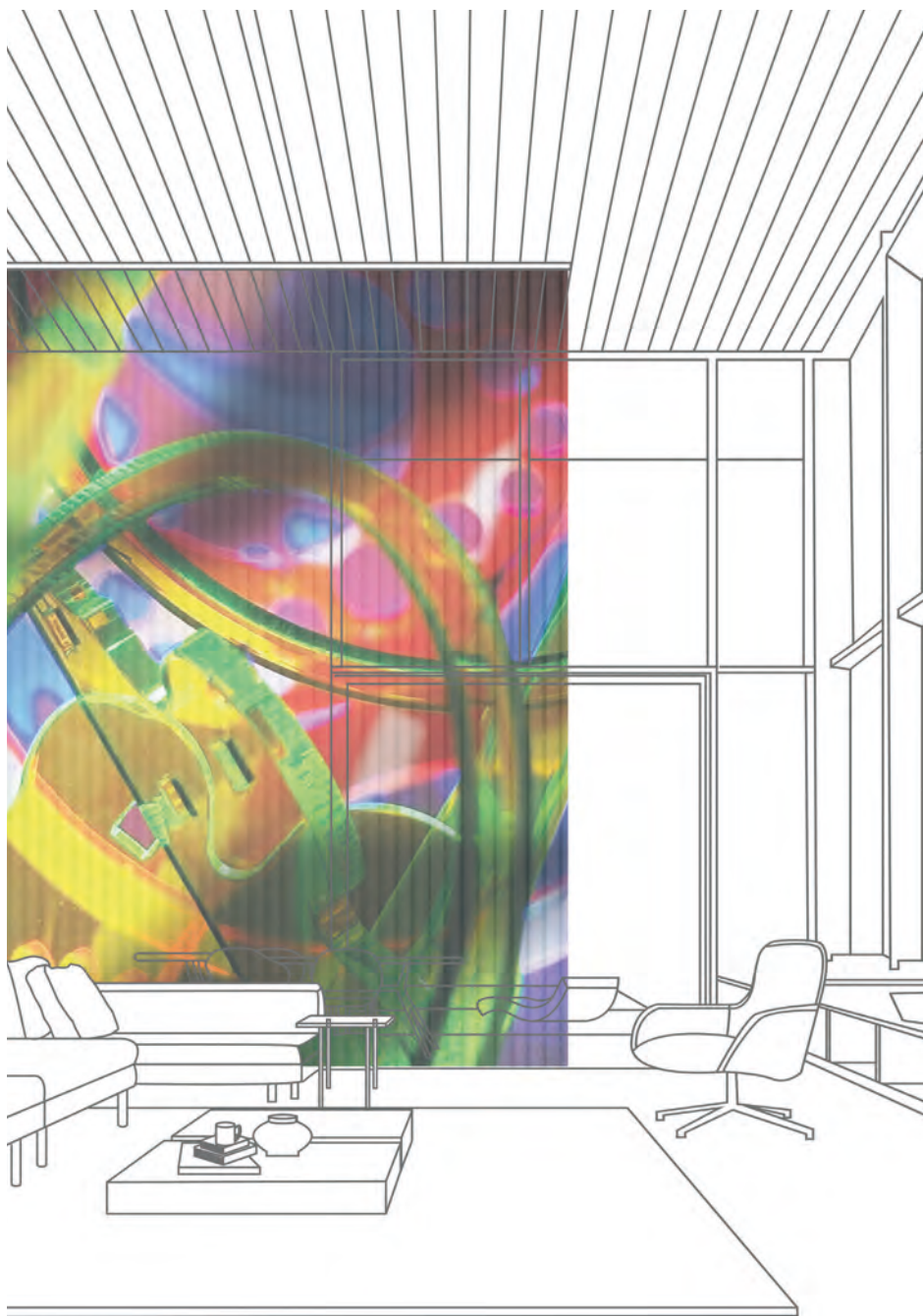




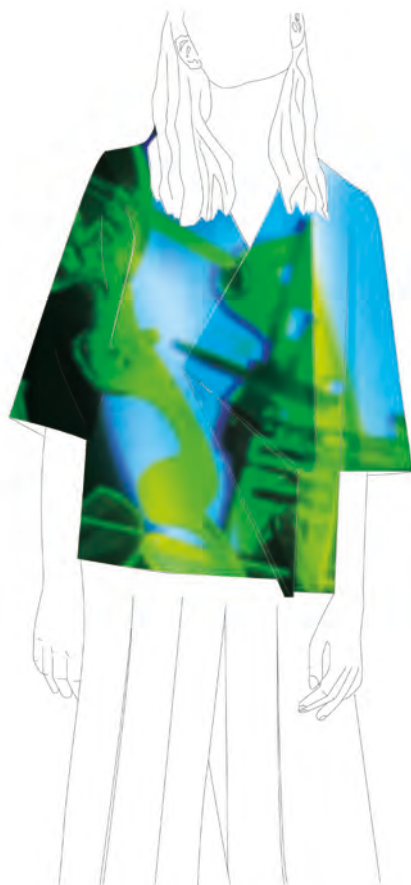






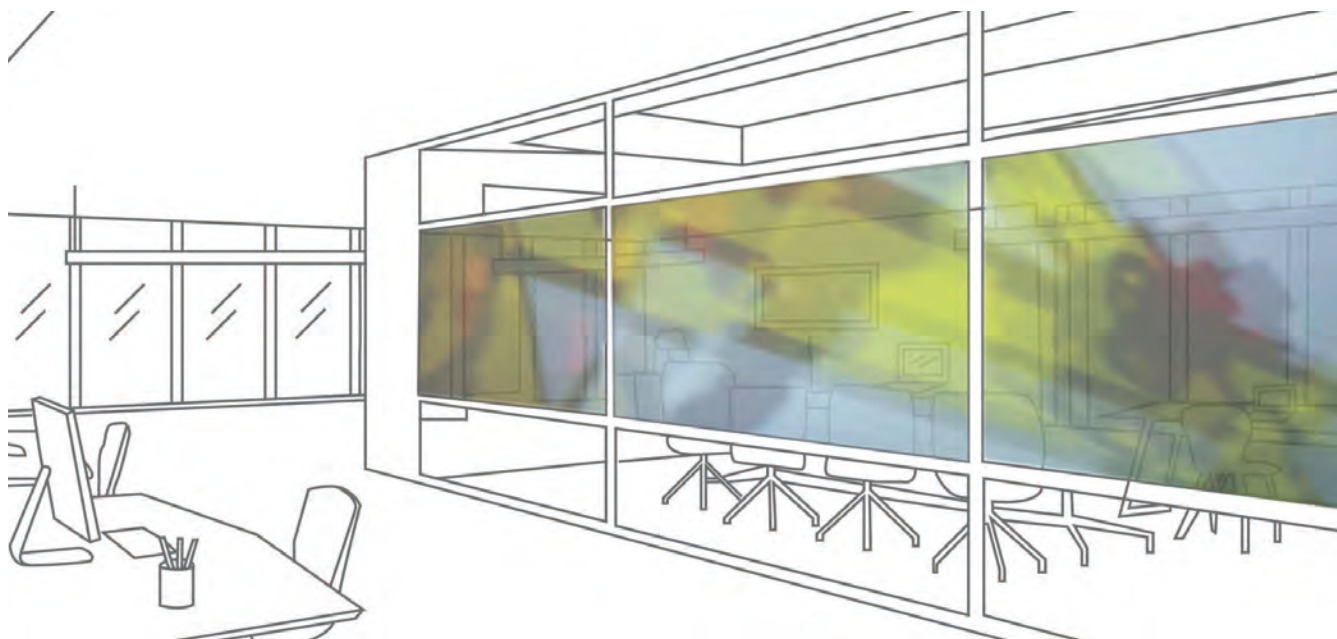


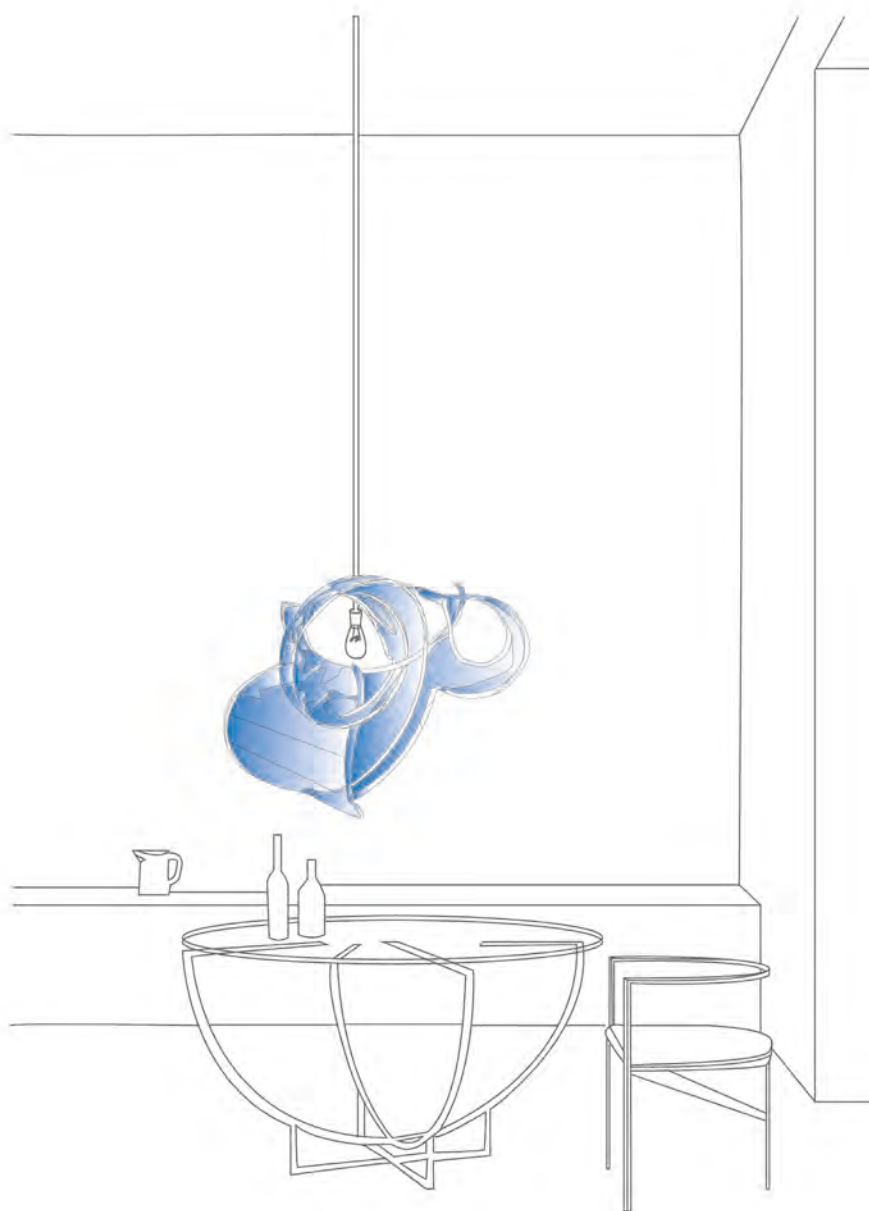


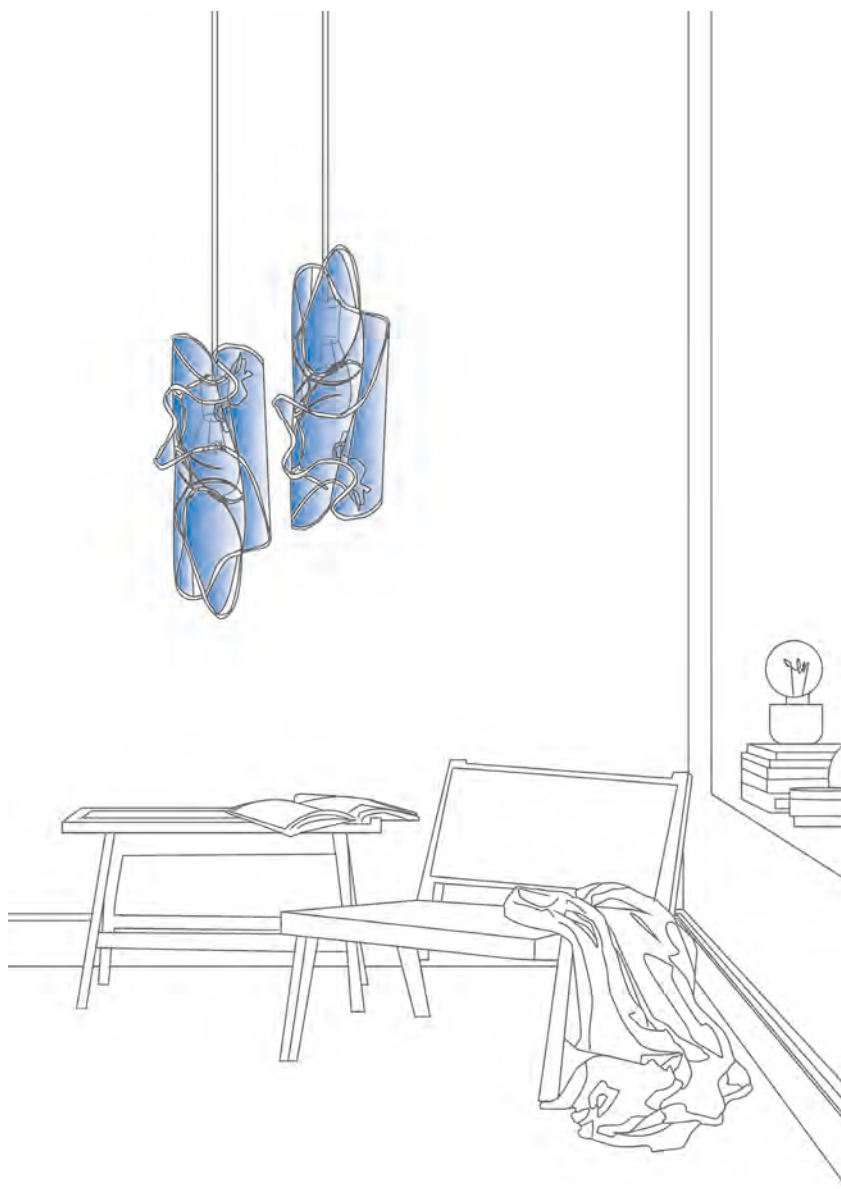














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