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3D-Druck im Biobanking

Was nicht passt, wird passend gemacht

Fabio Tabone

Die Moderne Biobank

Verbesserte Technologien

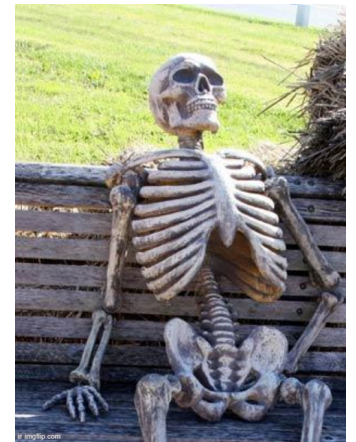
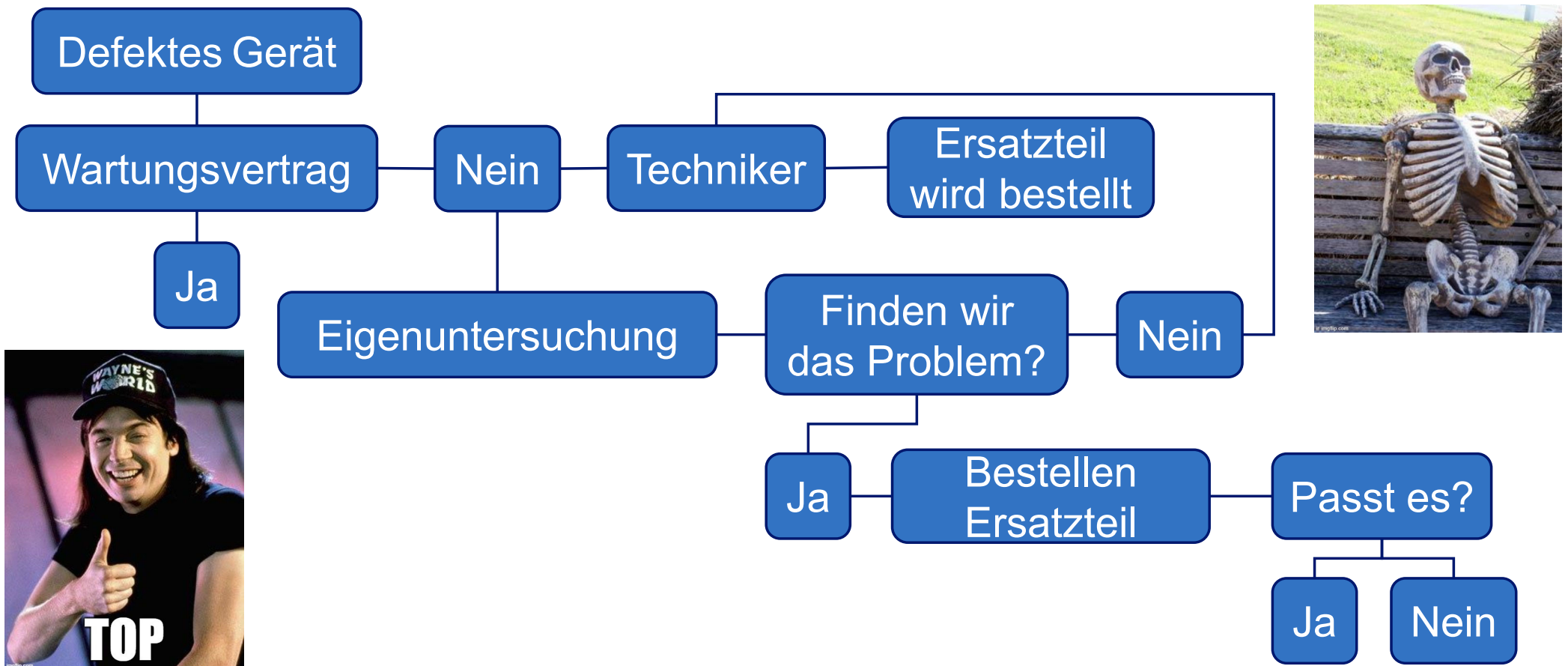
Akkreditierungen

Komplexere Methoden

Komplexere Arbeitsläufe



Grenzen des Standards & Lieferengpässe



Der 3D-Druck als universeller Retter

- Maßgeschneiderte Teile per Knopfdruck
- Produktion nach Bedarf
- Geringe Kosten
- Vielseitig anwendbar



Filament-Arten

PLA – der Allrounder

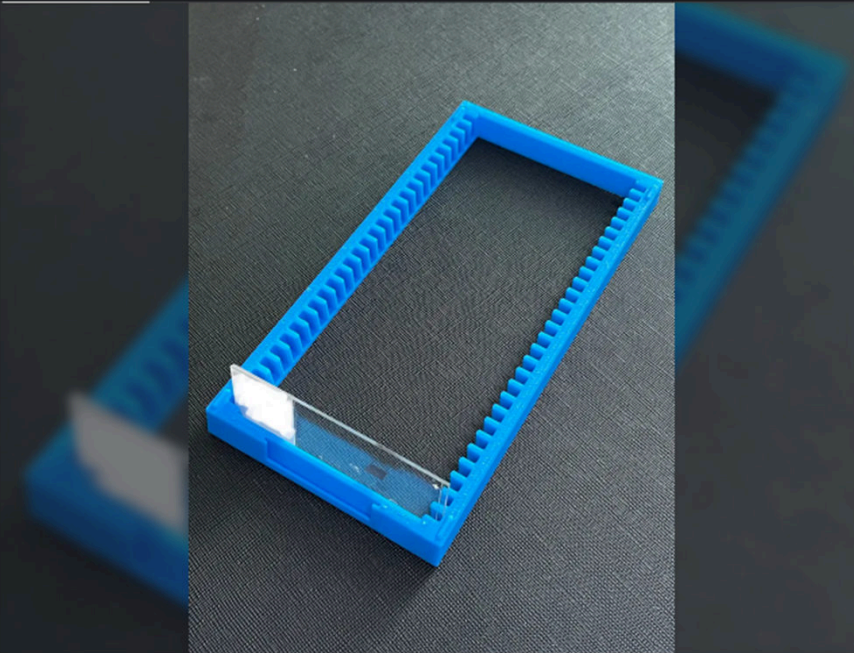
PETG – Funktionsteile, Outdoor-Einsatz

TPU – Dichtungen

Nylon - Zahnräder, mechanische Lager

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Microscope Slide Holder for Microtomy

★★★★★
2 reviews



pathoz
@pathoz

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Stackable tray to hold/store glass microscope slides during microtomy. Easy storage for pre-cut tissue controls.

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Dovetailed Adaptor for Leitz Microscope Condensor

☆☆☆☆☆ 0 reviews


generative_cad
 @gen_cad_4566687

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A dovetail adaptor for attaching leeve mount condensers to dovetailed holder of Leitz microscope.

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Universal Microscope-Phone Camera Adapter

★★★★☆
4 reviews



Dauntless
 @Dauntless_245752

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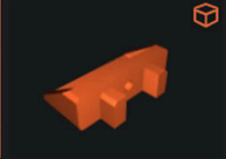
Adaptation of other universal microscope adapters, but with M3 bolts and adjustable camera-eyepiece distance.

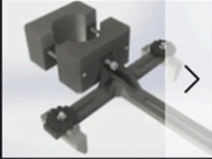
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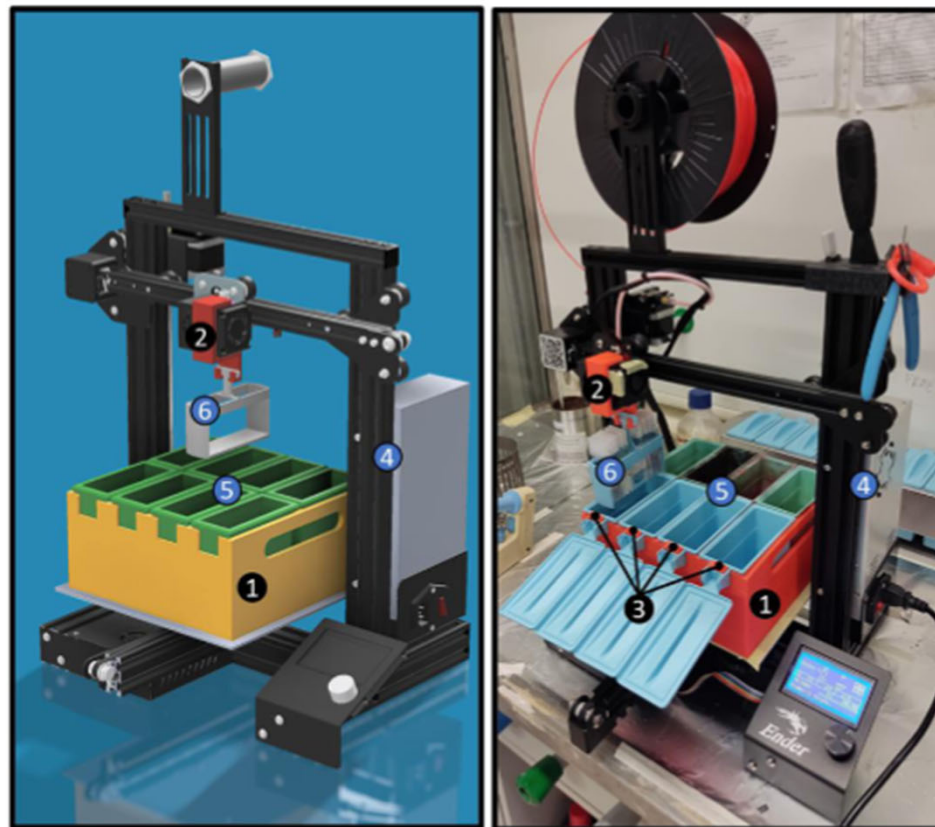
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3D Rendering

Real-life Picture

3D-Printed components

- ① Jar Holder
- ② Headpiece
- ③ Jar Tabs (optional)

Store-bought components

- ④ Ender3 3D printer
- ⑤ Jars for histology
- ⑥ Slide holder

Figure 1: 3D rendering and real-life picture of the HistoEnder system. Numbers indicate parts specified in the legend.

Quelle: www.sciencedirect.com/

Fazit

Schließt Lücken zwischen Standard-Produkte und Spezial-Bedarf

Macht moderne Biobanken flexibel

Was nicht passt, wird passend gemacht

