



DEC 01, 2022

WORKS FOR ME

1

The blueprint and materials for building an imaging platform

COMMENTS 0

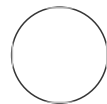
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ABSTRACT

Details could be found in the Supplementary Information of "[A high-throughput multispectral imaging system for museum specimens](#)"

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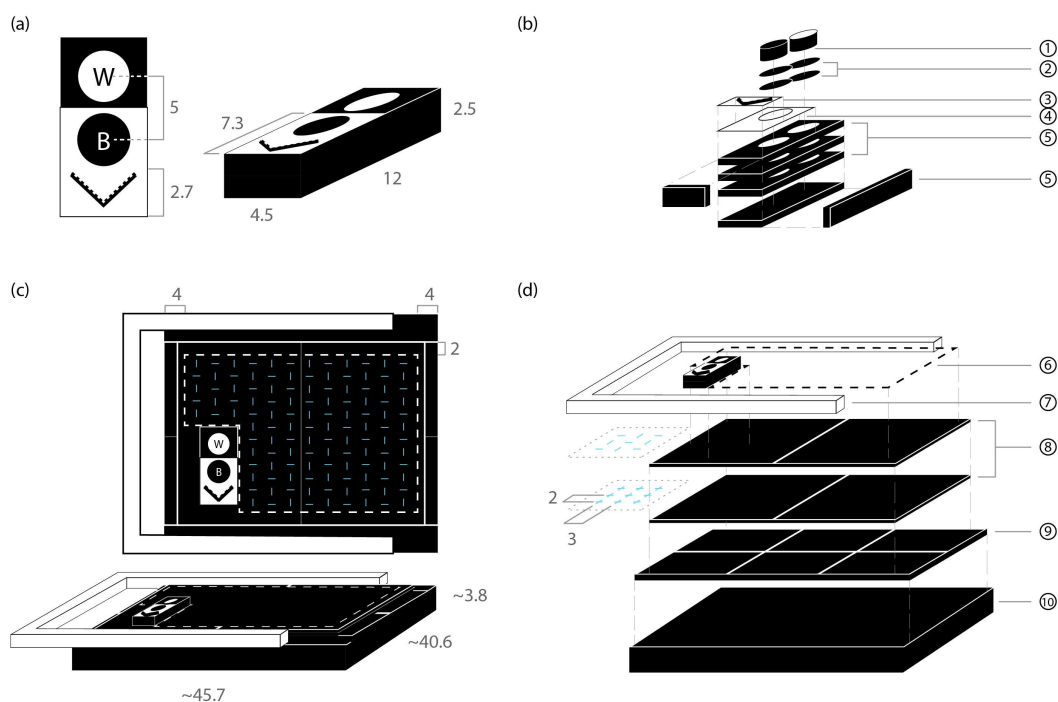
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1 Blueprint



Design of the imaging platform

2 Materials

2.1 Scales and standard references

Materials:

Note

1. Black and white standards (Labsphere; AS-001160-960 & AS-001160-060) [link](#)
2. Hook loop strips with adhesive (2.4" X 2.4") [link](#)
3. Adhesive forensic evidence labels (2 CM measure; A-6243) [link](#)
4. Adhesive tear resistant waterproof photo craft paper [link](#)
5. Neoprene sponge black foam pads with adhesive (12" X 8" X 1/4") [link](#)

Tools:

Note

1. Heavy duty box cutter [link](#)
2. Heavy-duty circle cutter [link](#)

2.2 Imaging platform

Materials:

Note

6. Black cotton thread [link](#)
 7. Canvas stretcher bar kit (16" X 20") [link](#)
 8. Polyethylene foam (18" x 16" X 1.5") [link](#)
 9. Neoprene sponge black rubber foam with adhesive (12" X 8" X 1/8") [link](#)
 10. Neoprene foam anti vibration pads with adhesive (6" X 6" X 1/4") [link](#)
- Additional. VELCRO black tape roll with adhesive (5 Ft X 3/4") [link](#) (used to connect 7 & 8)

Tools:

Note

1. Leather stitching sewing awl repair tool (for multi-layer registration) [link](#)
2. Heavy duty box cutter [link](#)
3. Cross line laser with clamp (for pre-cut slots registration) [link](#)

3 Other accessory designs that improve workflow

3.1 Special clips for label removal and attachment

Hairdressing double prong pin (1.8") [link](#)

This special clip can remove the labels and keep the pin holes labels aligned. It saves time for reattaching labels back on to the specimen after imaging.

3.2 Magnetic bar for mounting pin with removed labels.

Heavy-duty magnetic tool holder [link](#)

This bars help keep the clips in 3.1 in order, so the labels can be reattached to the correct

specimens.