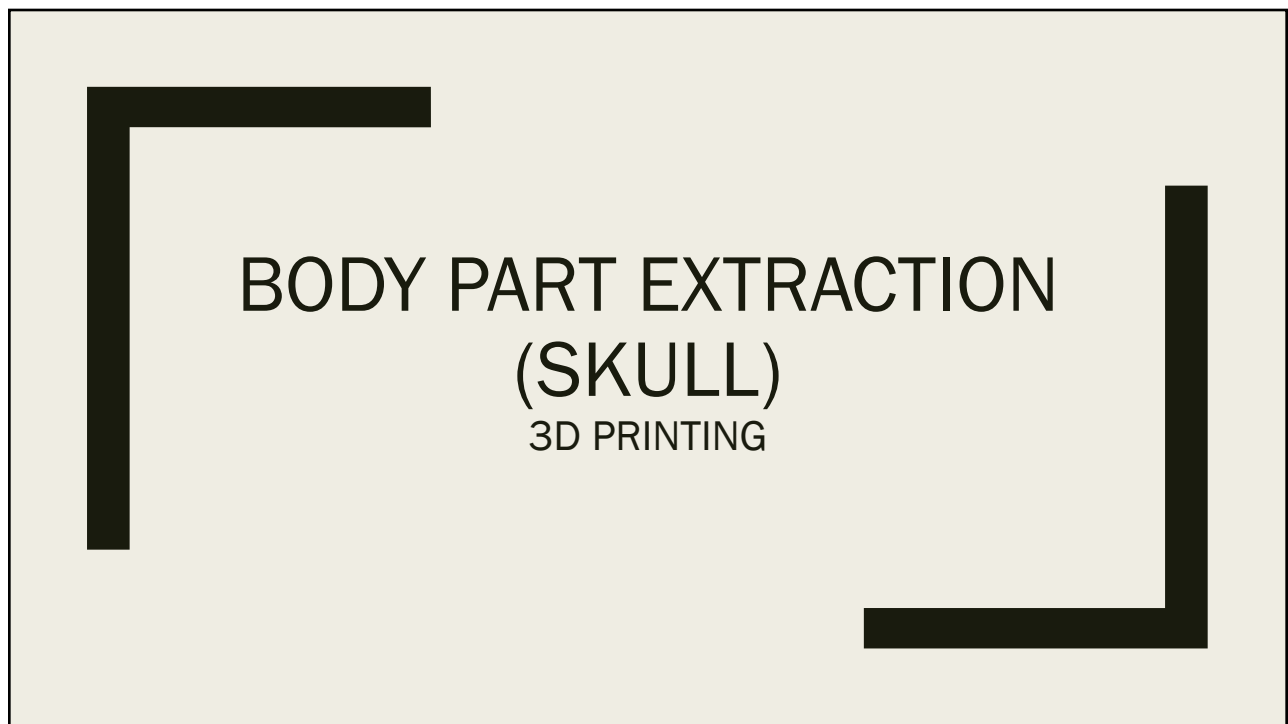
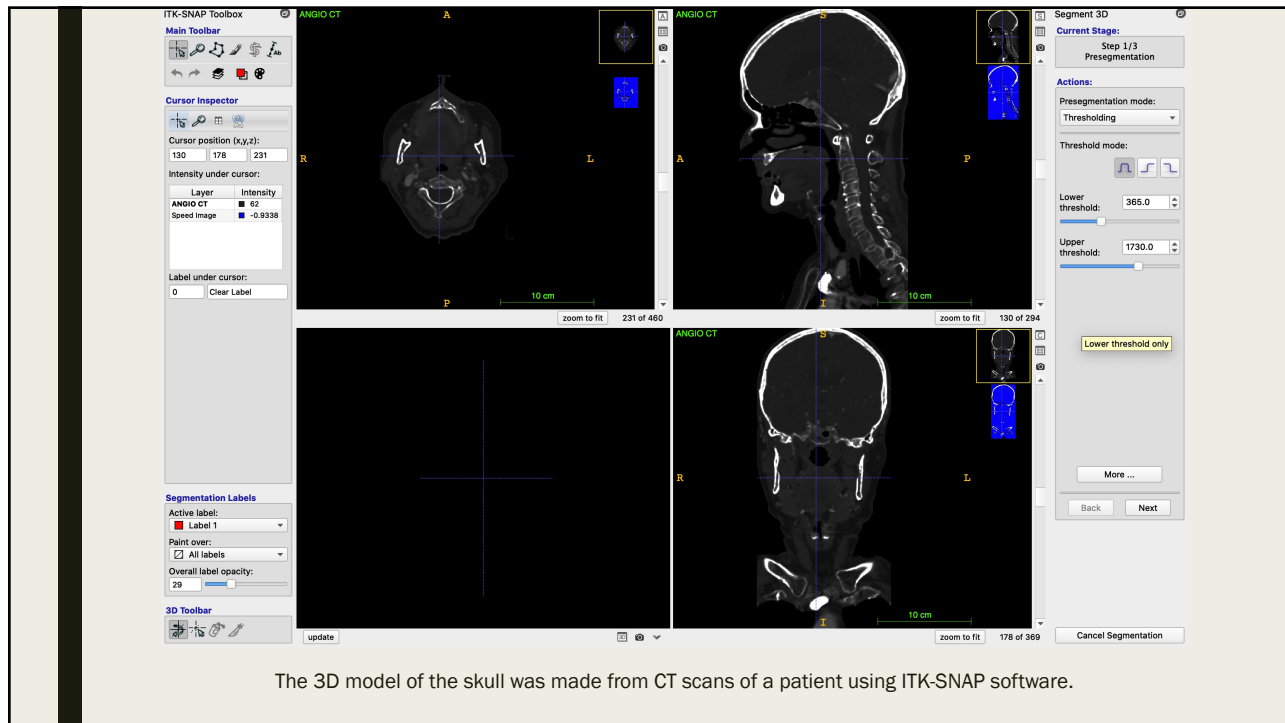




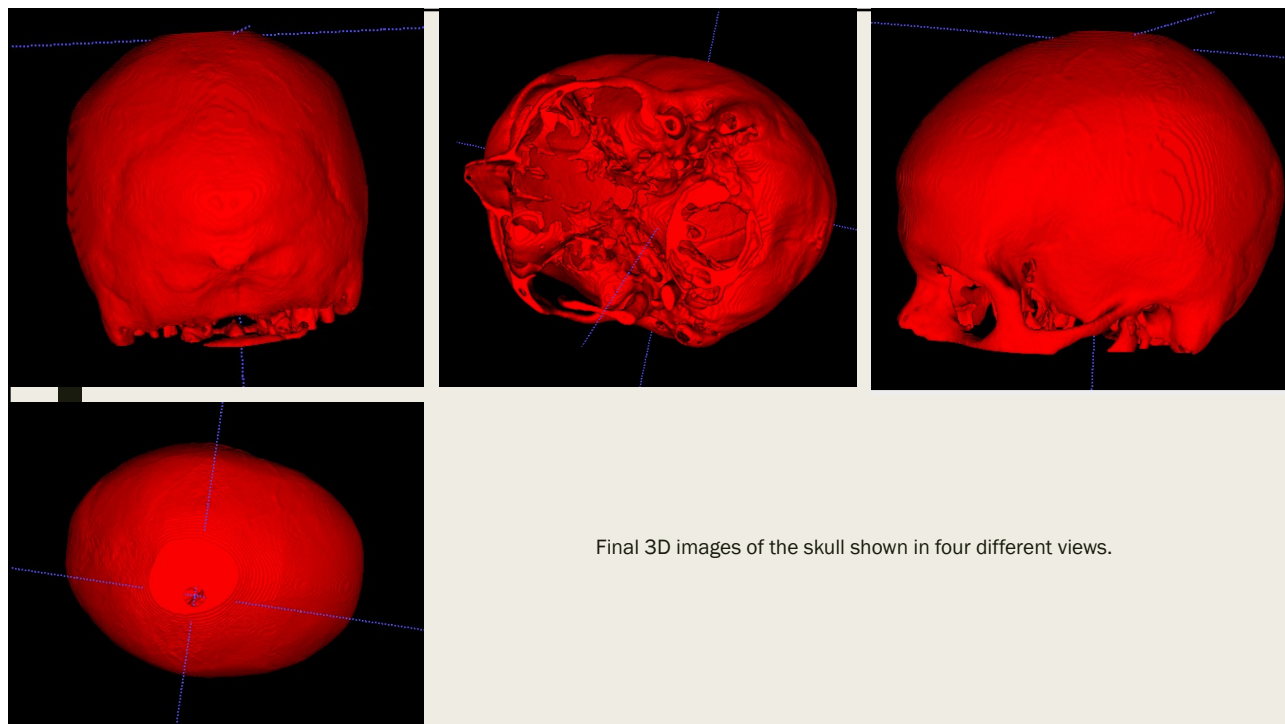
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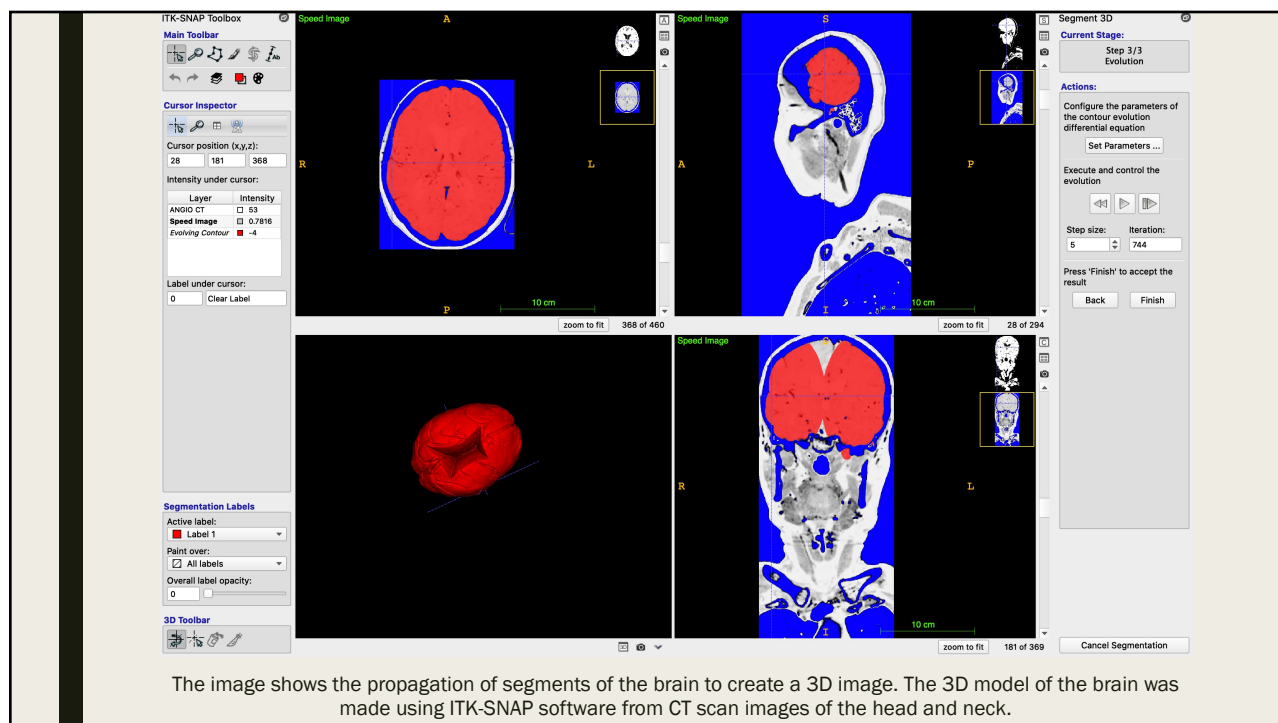
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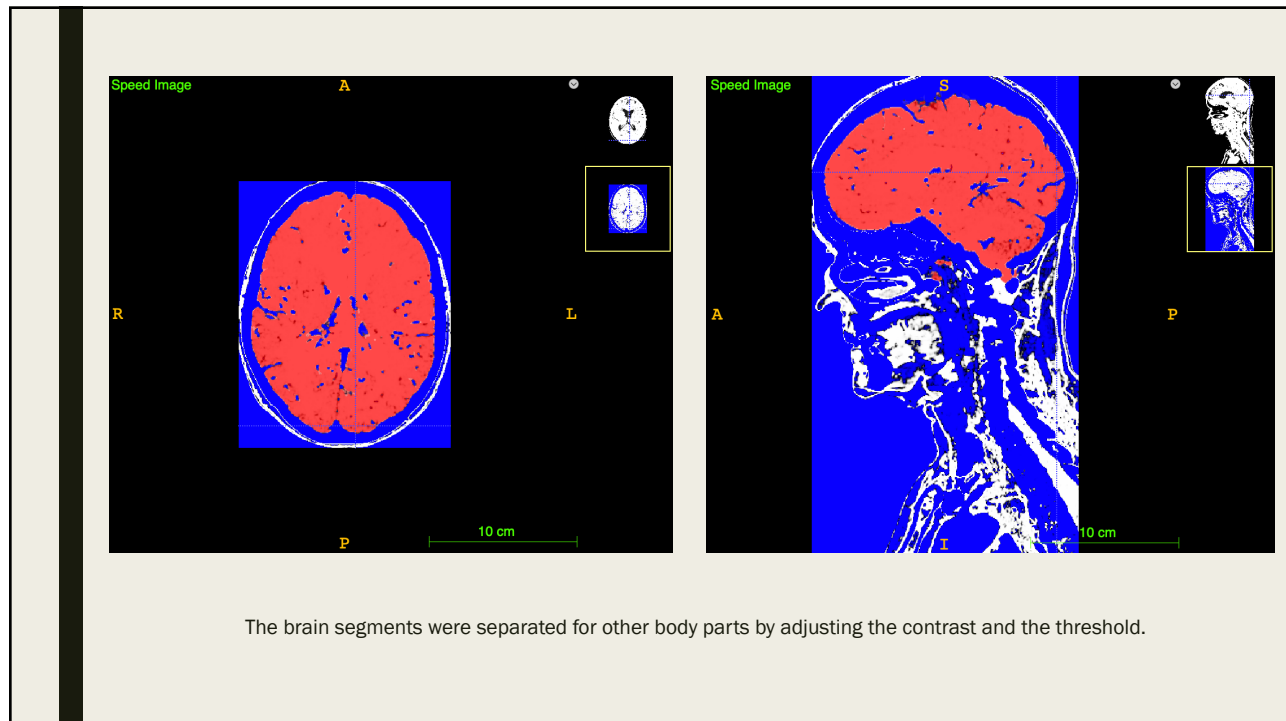
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BODY PART EXTRACTION (BRAIN) 3D PRINTING

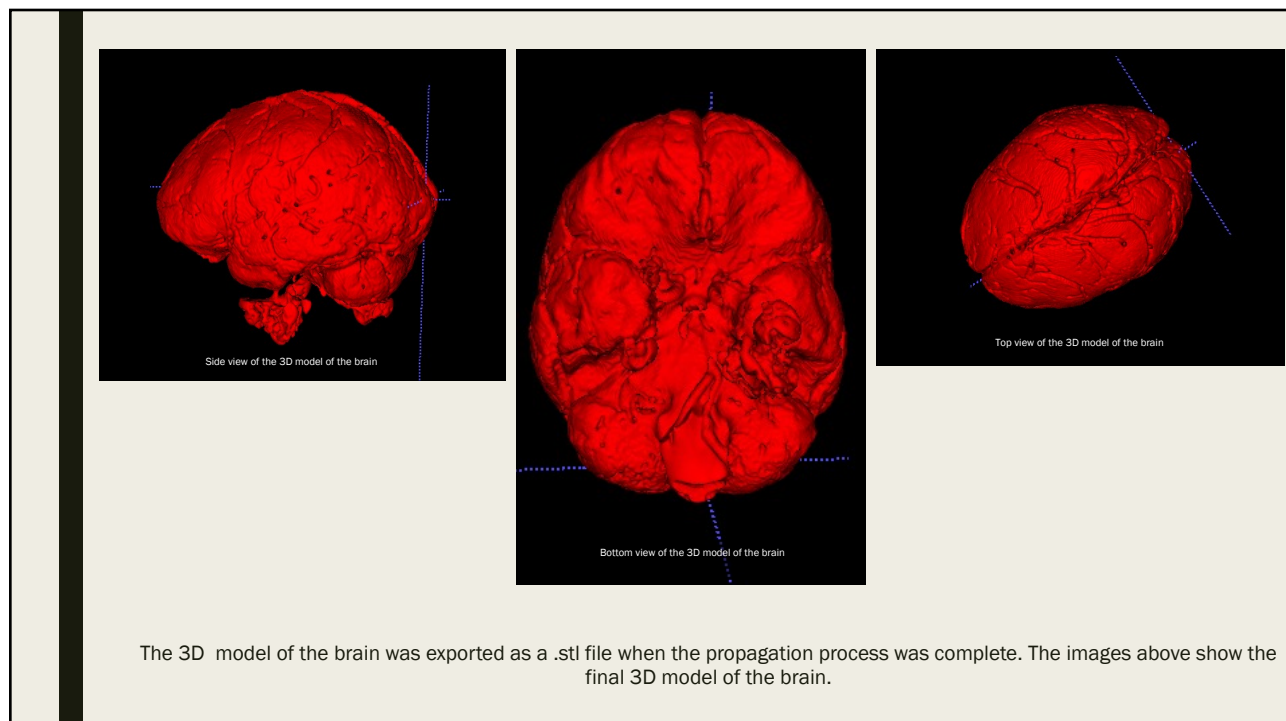
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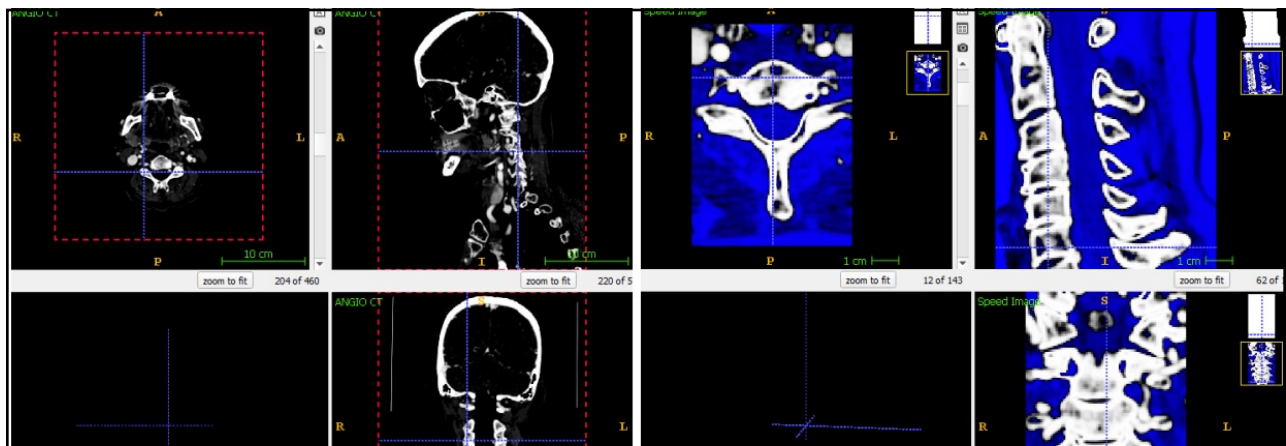
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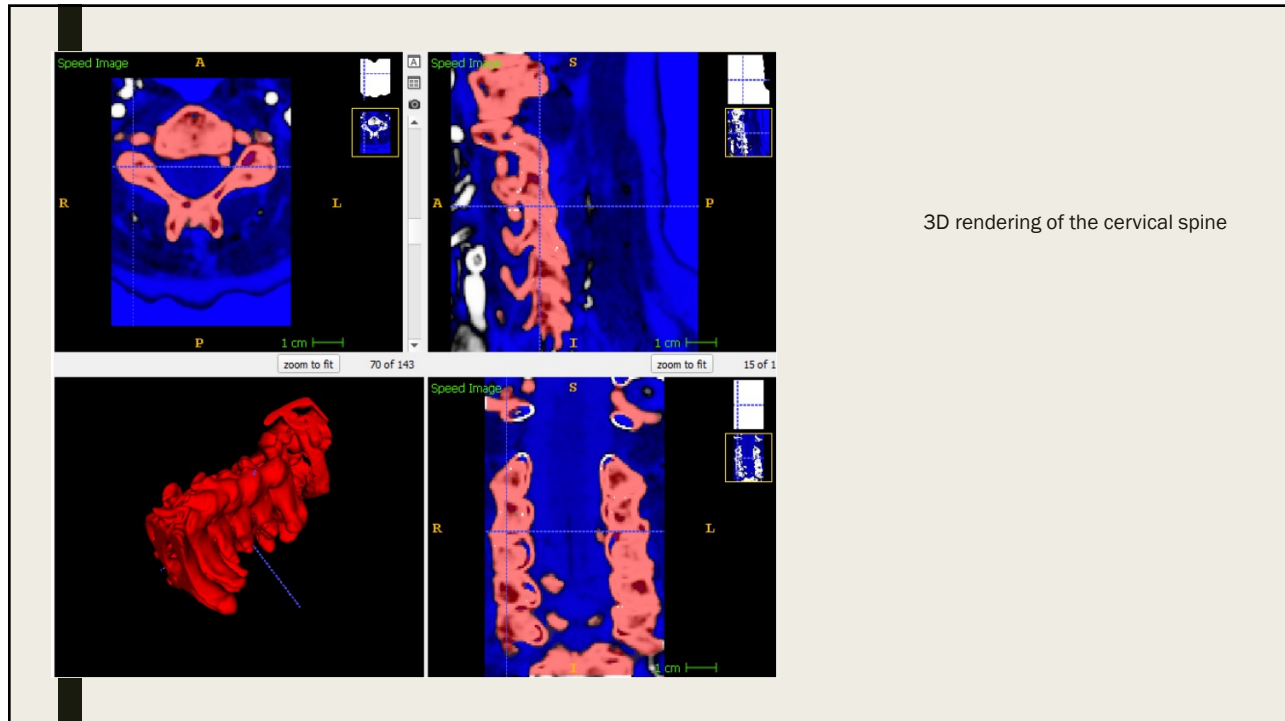
BODY PART EXTRACTION (CERVICAL SPINE) 3D PRINTING

9



Segmentation of the cervical spine

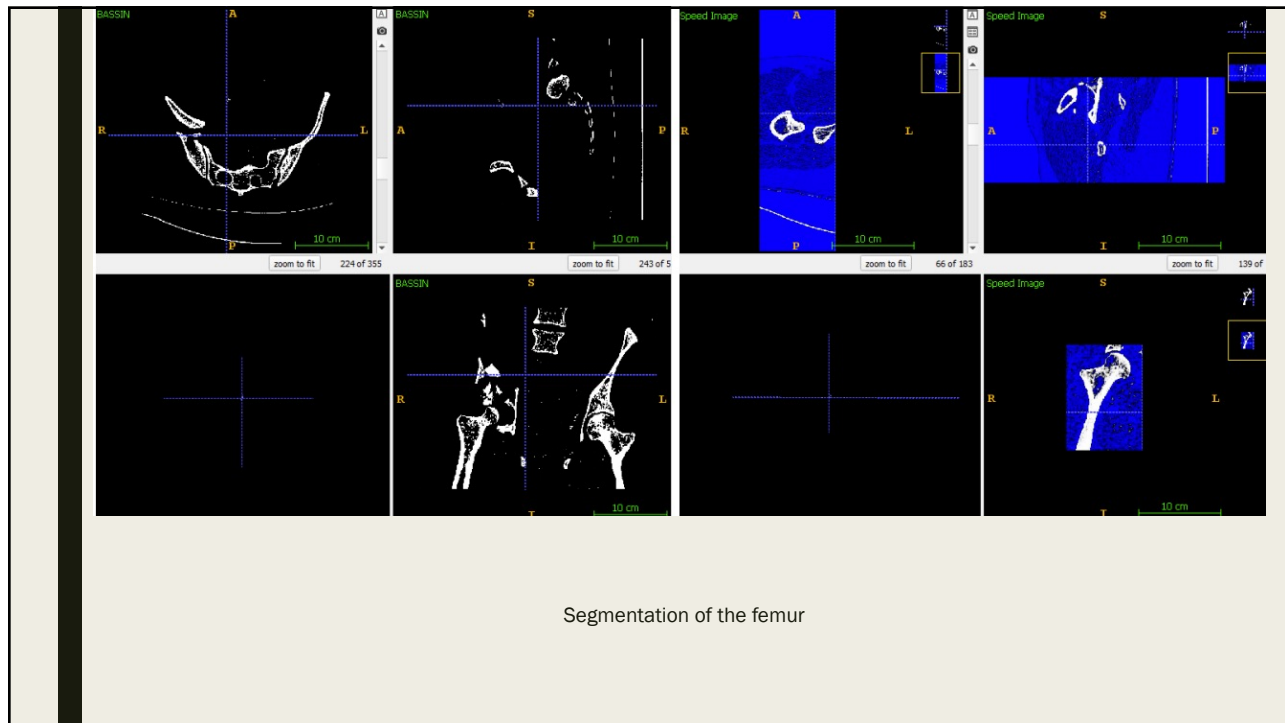
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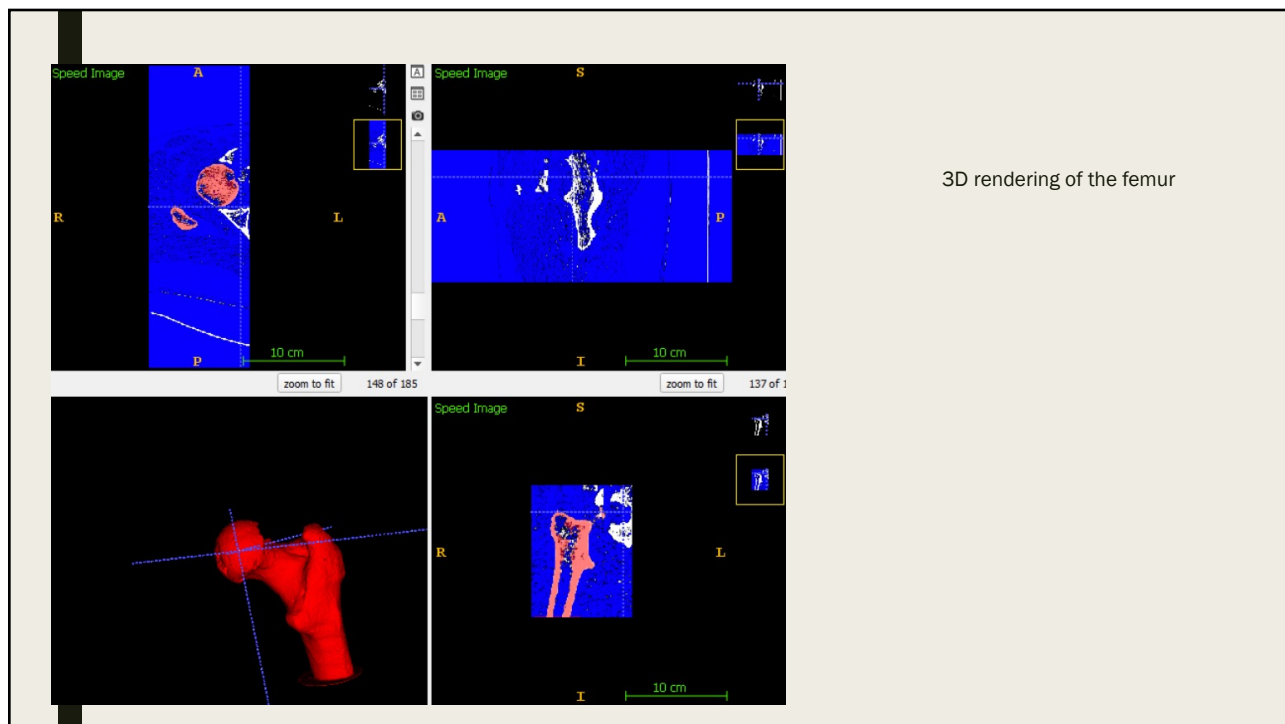
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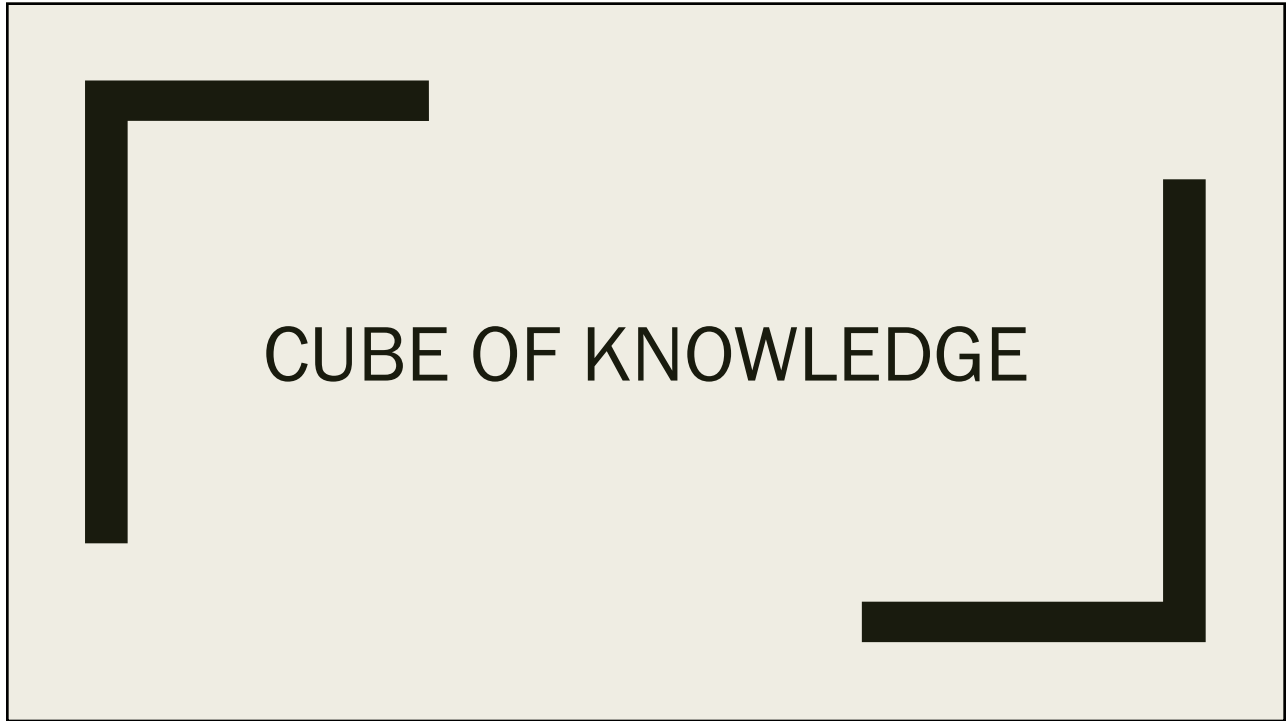
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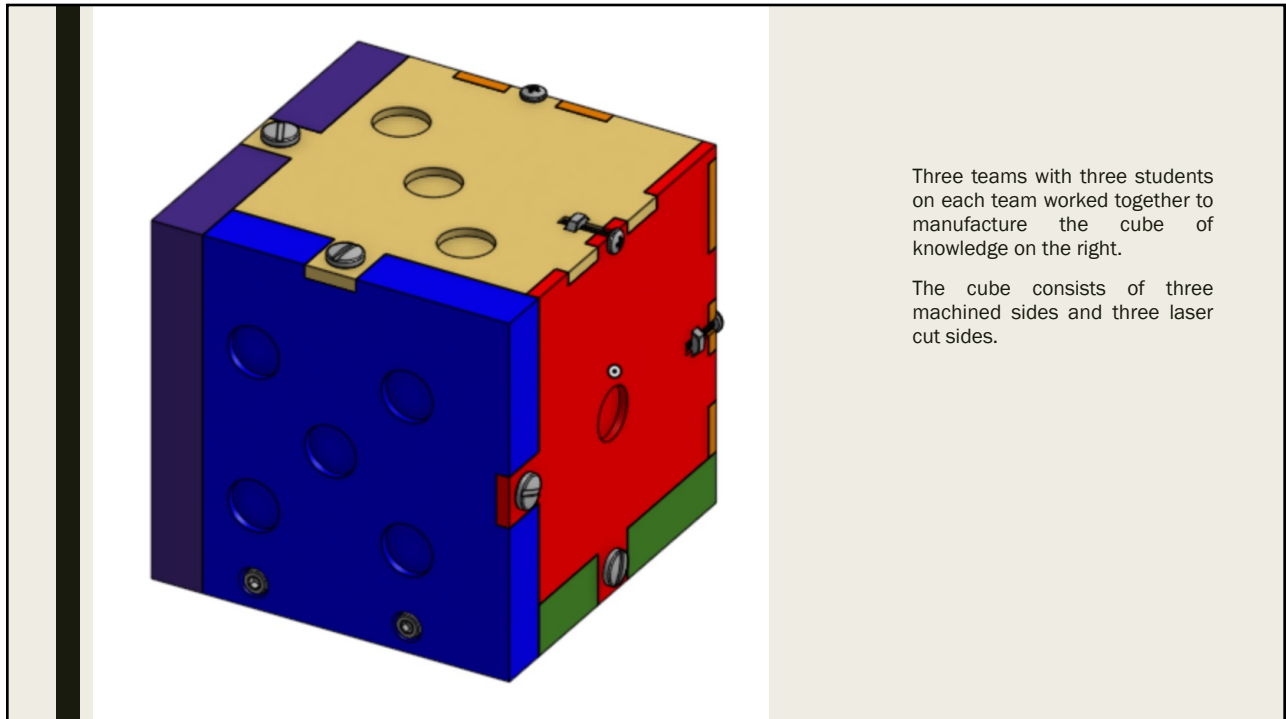
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14



15



16

Each team designed and manufactured one machined side. Assembly drawing of each machined side are shown above.

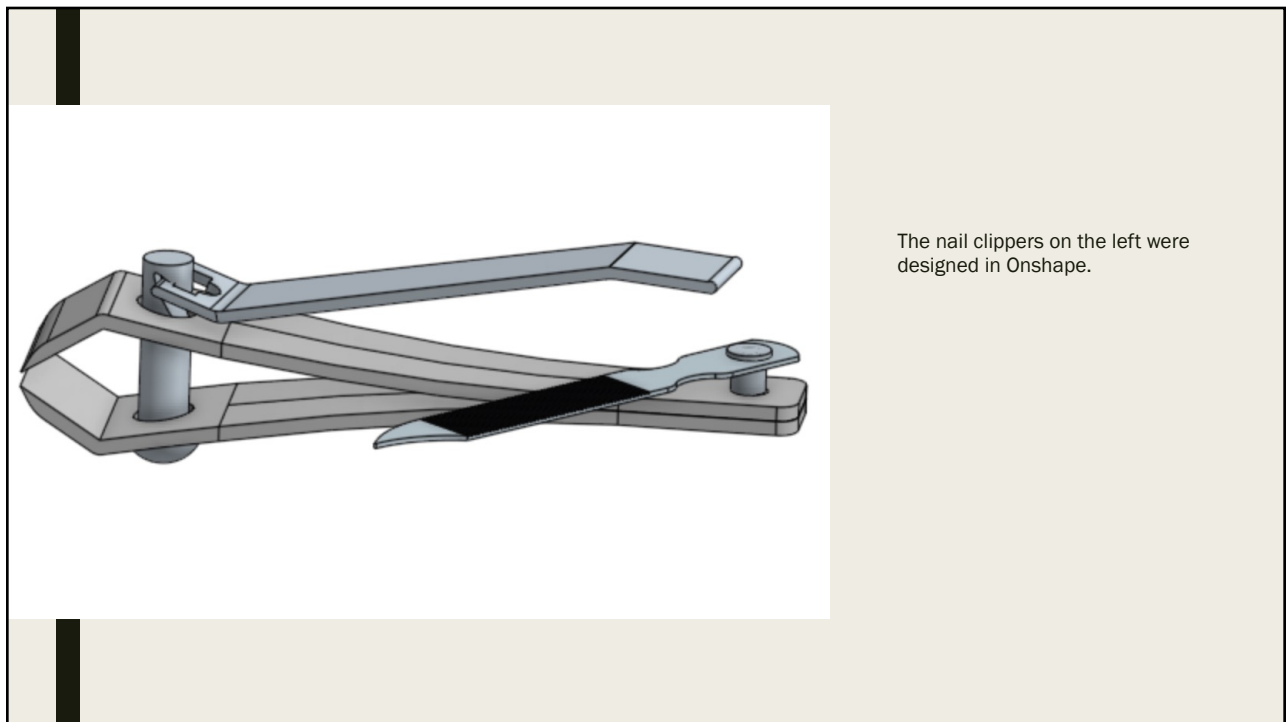
17

Each team also made a laser cut side.

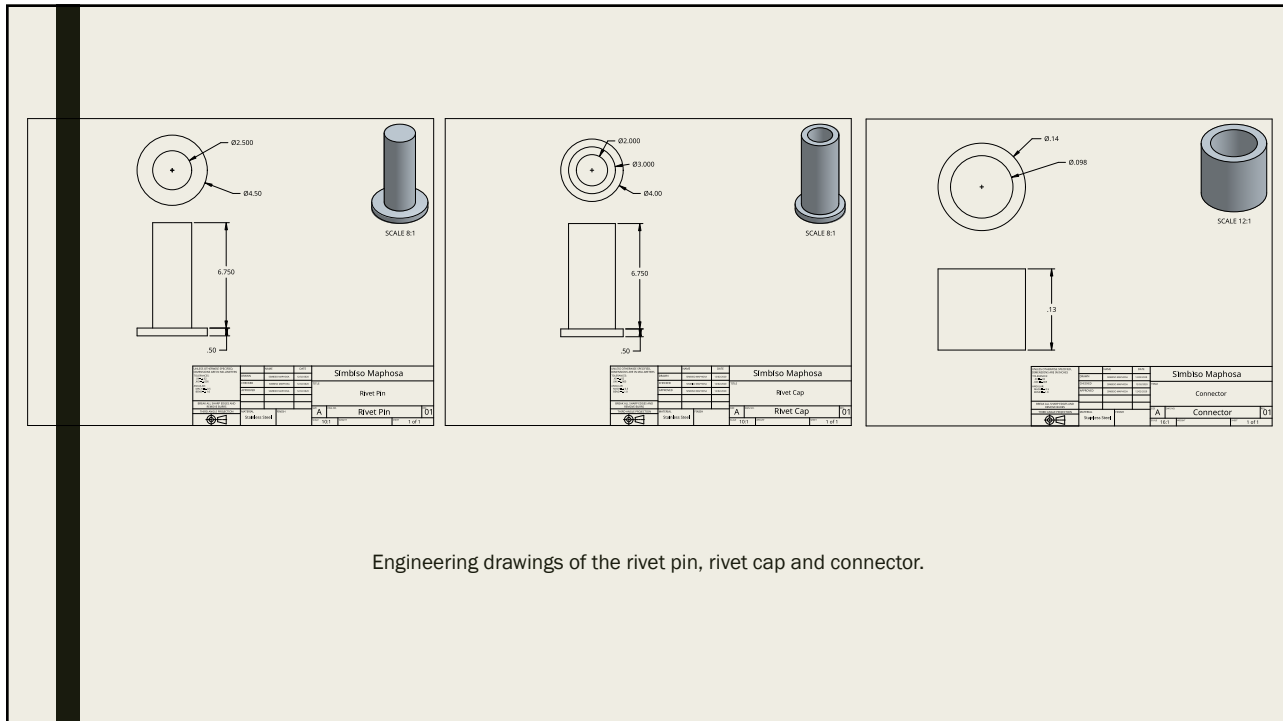
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19

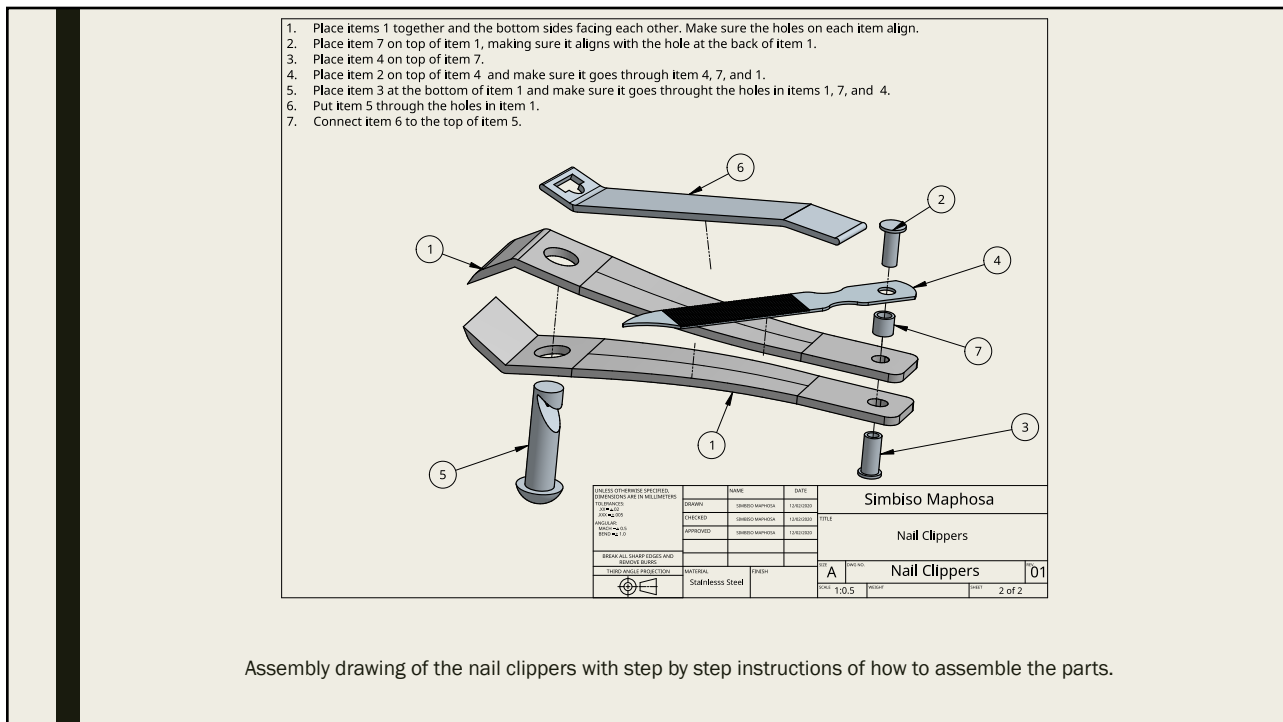


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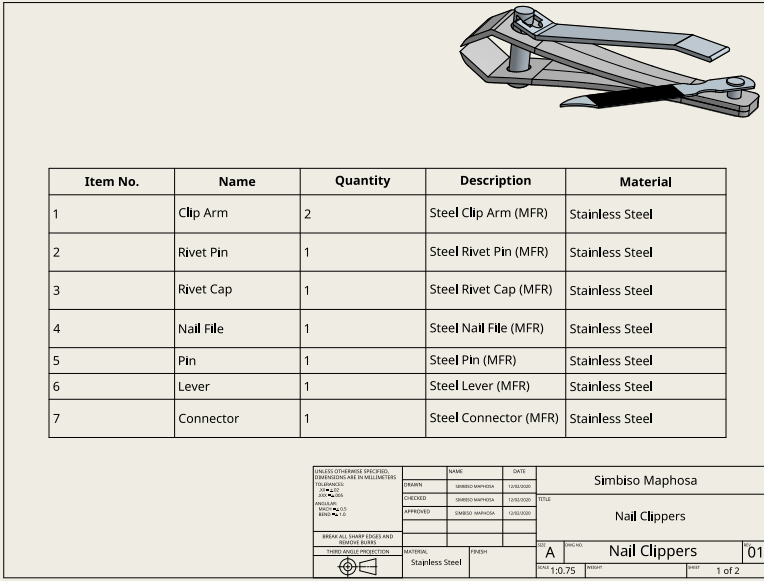
Engineering drawings of the rivet pin, rivet cap and connector.

21



Assembly drawing of the nail clippers with step by step instructions of how to assemble the parts.

22




Item No.	Name	Quantity	Description	Material
1	Clip Arm	2	Steel Clip Arm (MFR)	Stainless Steel
2	Rivet Pin	1	Steel Rivet Pin (MFR)	Stainless Steel
3	Rivet Cap	1	Steel Rivet Cap (MFR)	Stainless Steel
4	Nail File	1	Steel Nail File (MFR)	Stainless Steel
5	Pin	1	Steel Pin (MFR)	Stainless Steel
6	Lever	1	Steel Lever (MFR)	Stainless Steel
7	Connector	1	Steel Connector (MFR)	Stainless Steel

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS	DATE	Simbiso Maphosa	
DESIGNED BY: [Signature]	DATE: 13/07/2022	TITLE: Nail Clippers	
CHECKED BY: [Signature]	DATE: 13/07/2022	DRAWN BY: [Signature]	
APPROVED BY: [Signature]	DATE: 13/07/2022	MATERIAL: Stainless Steel	
BREAK ALL SHARP EDGES AND REMOVE BURRS		SCALE: A	01
TOLERANCE: ±0.75		PAGE: 1 of 2	

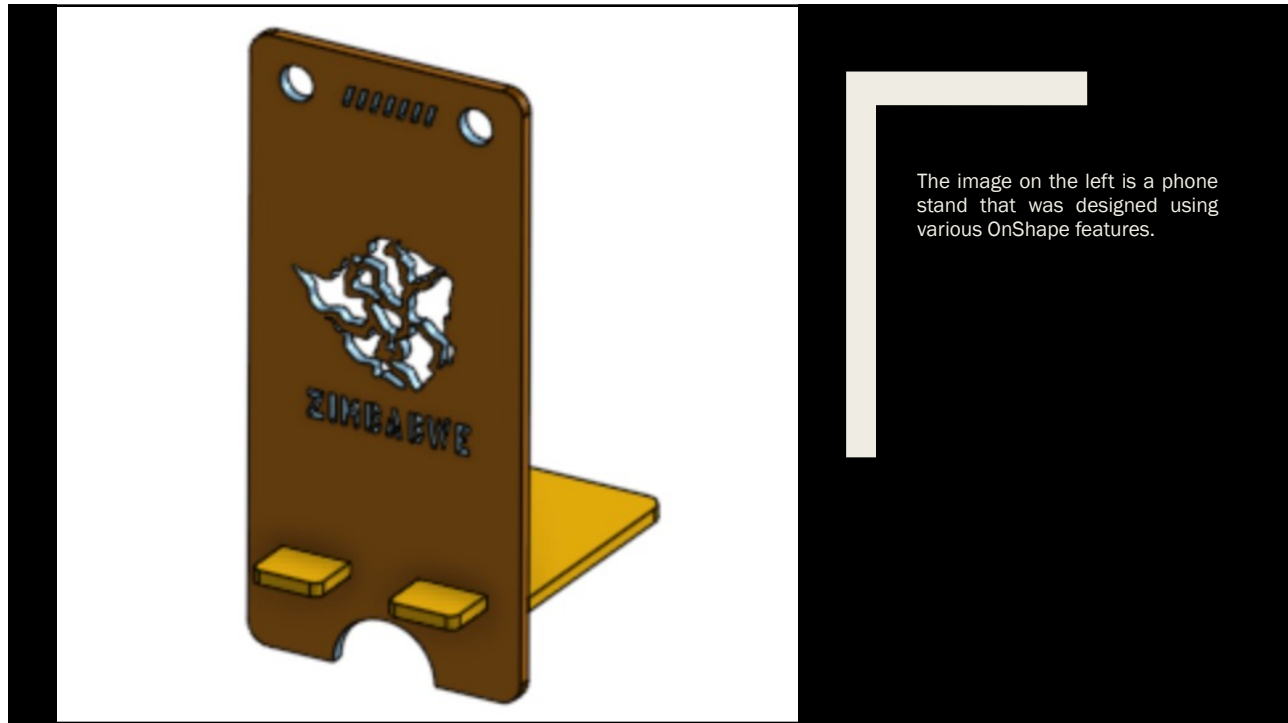
Assembly drawing of the nail clippers displaying the bill of materials.

23

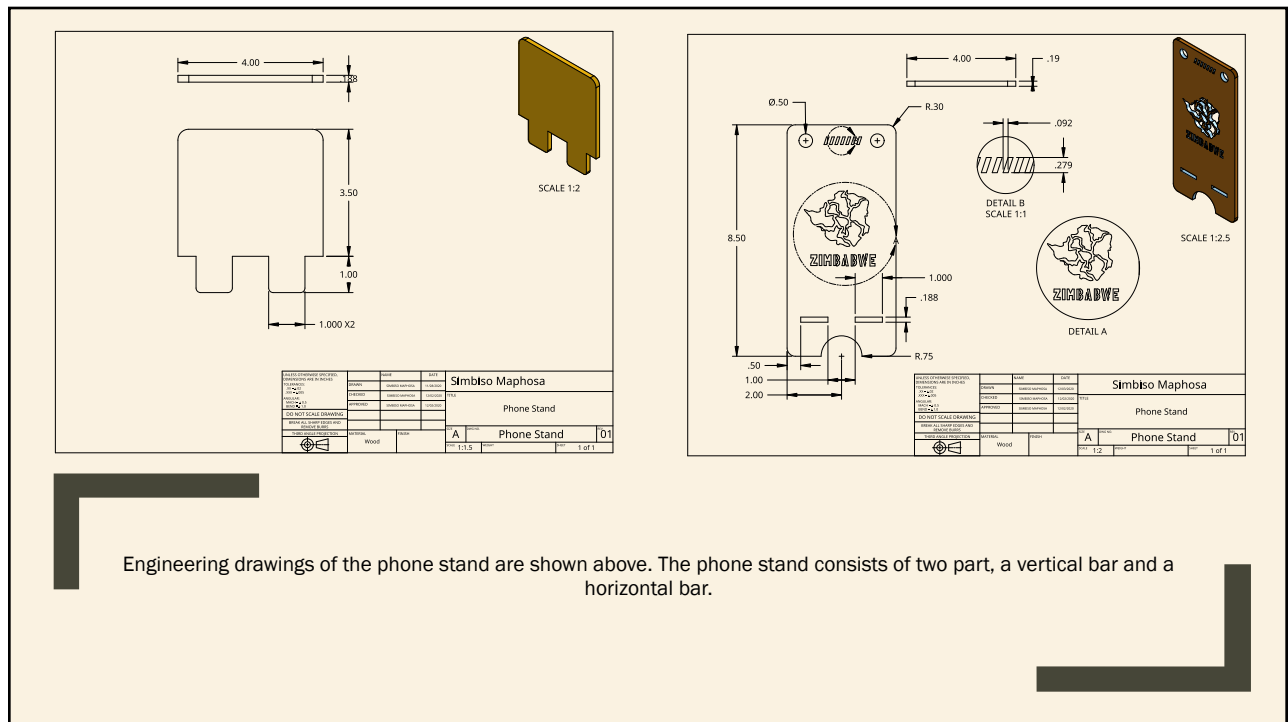


PHONE STAND
 LASER CUTTING

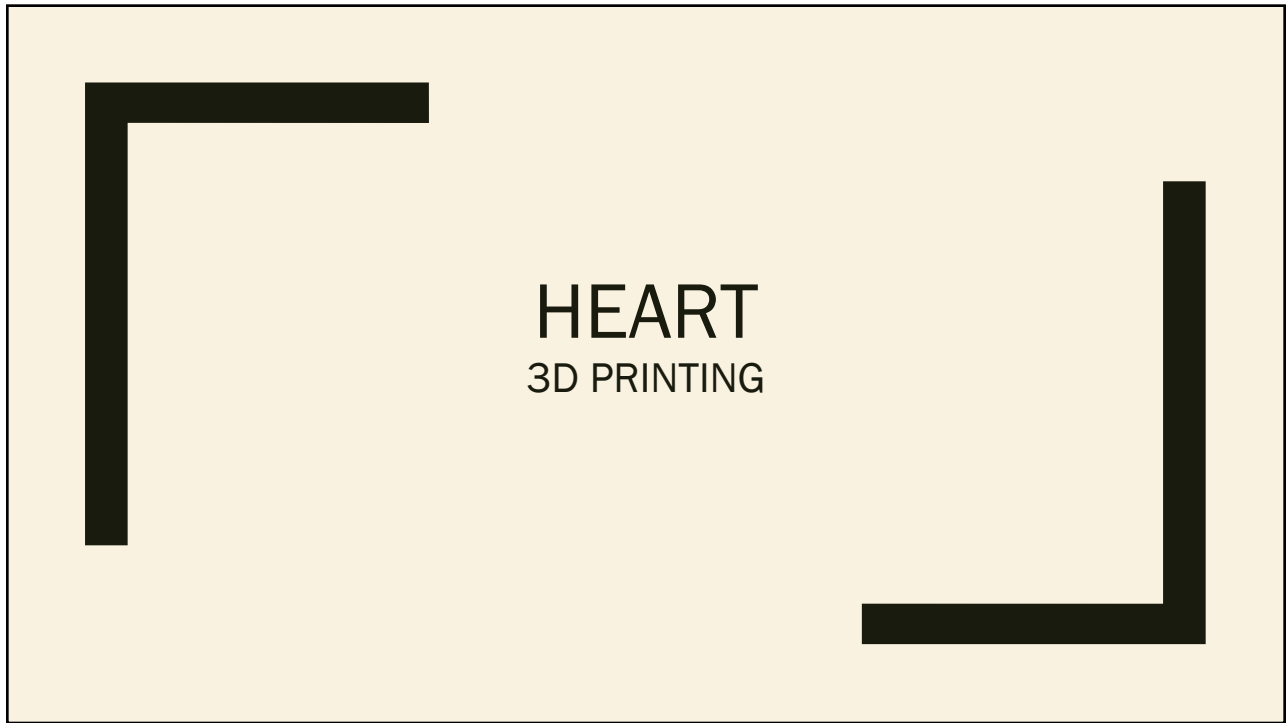
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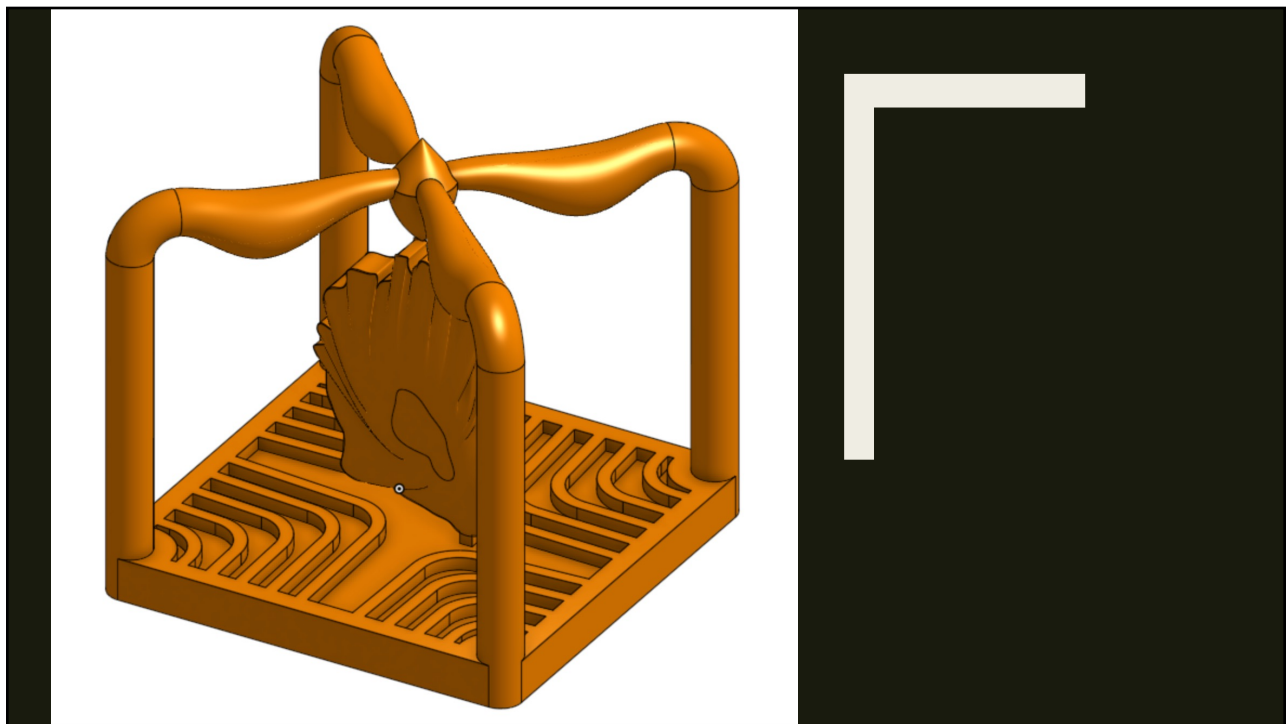
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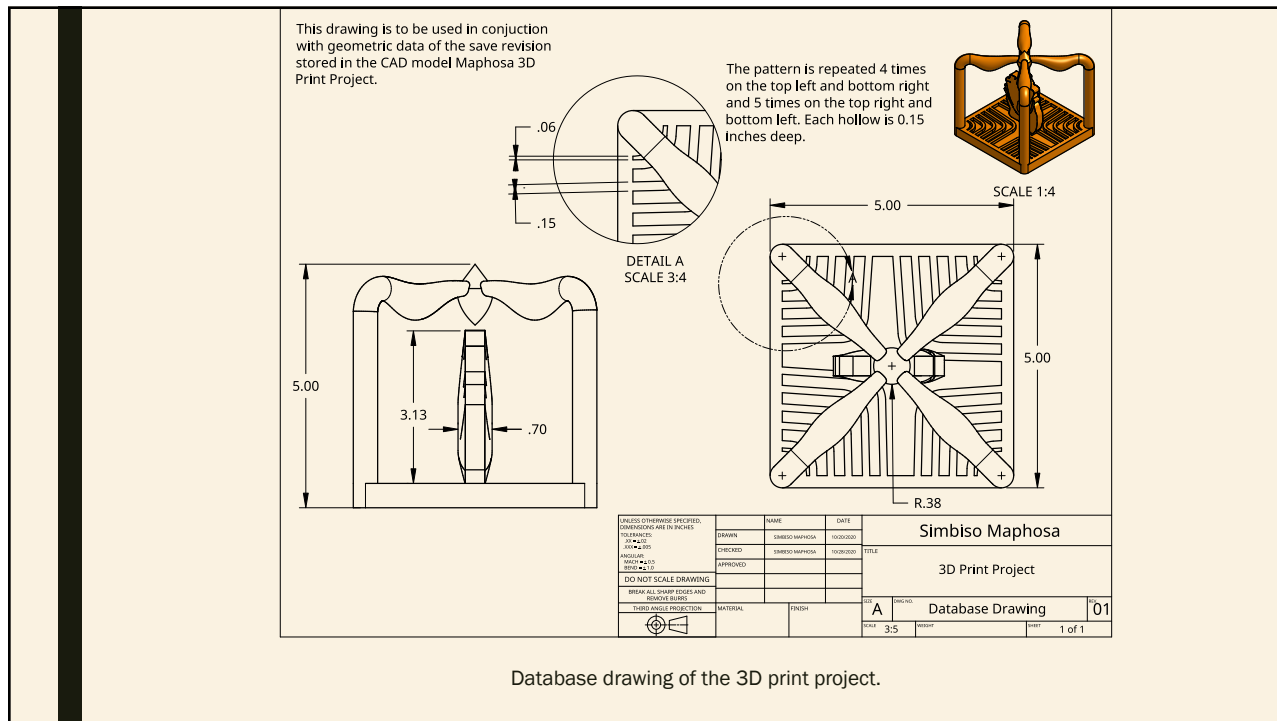
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