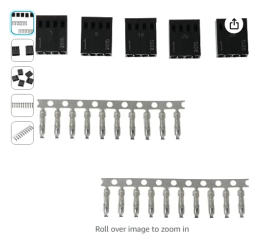
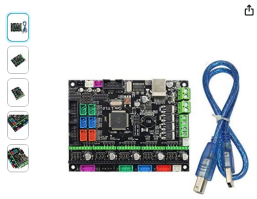
Item	Link	Cost (CAD)	Alternatives/notes
 DGBRSM 5 Set Female 4-Pin PWM Fan Connector Kit - 5pcs 4 Pin 4Pin PWM Fan Female Connector and 20pcs Terminal Crimp Pins	Connector	11.67+5.02 shipping = 16.69	
BUYSK Mini Bench Vice Clamp Mini Flat Clamp Opening Parallel Table Vise for Watch Repairing Sculpture Craft Jewelry DIY Carving Tool	Vice Clamp	32.79 free delivery	
HiLetgo 5pcs A4988 Stepstick Stepper Motor Driver Module + Heat Sink for 3D Printer Reprap Compatible to Arduino	Stepper motor	18.99 free delivery	

 Genuine 12/24V MKS Gen L V1.0 Integrated Ramps 1.4 Control Board Controller Motherboard for 3D Printer Parts Accessories	Motherboard	36.68 + 2 delivery = 38.68	
 Roll over image to zoom in UniTak3D MGN12 300mm Linear Rail Sliding Guide with MGN12H Bearing Steel Carriage Block X-axis Upgrade Kit for Ender 3 CoryXY DIY 3D Printer and CNC Machines	Rails	31.98 free delivery	Original from Amazon US Roll over image to zoom in From Iverntech (Iverntech MGN12 300mm Linear Rail Guide with MGN12H Stainless Steel Black Carriage Block for Ender 3, Corexy, Tronxy, Delta Kossel 3D Printers Upgrades and CNC Machine)
 Roll over image to zoom in HiLetgo 6pcs Endstop RAMPS 1.4 Mechanical Limit Switch for 3D Printer	Endstop switch	16.99 + 5.29 shipping = 22.28	

SoulBay 12V 1A AC Adapter Charger Replacement w/8 Tips, Regulated Power Supply Cord for LED Strip Light, CCTV Camera, BT Speaker, GPS, Webcam, Router, DC12V Transformer with ETL Certificate	Adapter charger	18.99 free delivery	
C-Beam® Linear Actuator Bundle	Linear actuator	166.59 + shipping calculated at checkout	
Raspberry Pi 4 Starter Kit	Raspberry pi kits	From 99.95 to 139.95 depending on how many GB (1 to 8)	
MP-E 65mm f/2.8 1-5x Macro Photo	Super macro 5x magnification lens	Currently out of stock	Alt listed below

 Tokina 100mm f/2.8 AT-X PRO 1:1 Macro	[Tokina macro lens Link to amazon CA]	524.59 second-hand	This is the lens used in the original CaptuRING paper (I think); compatible with both Canon and Nikon, making it more flexible - Compatible with all cameras in the EOS line from Canon
 Logitech MK270 Wireless Keyboard And Mouse Combo For Windows, 2.4 GHz Wireless, Compact Mouse, 8 Multimedia And Shortcut Keys, For PC, Laptop - Black	[Logitech keyboard + mouse in one USB]	37.83 + 14.63 shipping = 52.46	keyboard/mouse combo in one USB means you don't need a USB adapter for the raspberry pi, but if the lab already has this we don't need to buy

The above items sum up to approx. **1023.99**, considering that some free shipping deals are temporary (monthly basis)

- Doesn't include cost of camera or other tools needed to prepare the dendrochronology samples

Questions or things to explore:

1. CaptuRING software pricing and usage
2. What kind of camera we will use
    a. can check out Kerrisdale cameras for advice
3. What is the enlarger base actually for?
    a. We don't need to enlarge any film, so I suspect it's only for supporting the camera, in which case we might be able to just buy a tripod that lets the camera sit vertically then buy an acrylic or wooden board to fix the rails into