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| **Item:** | **Cost:** | **Use in the Project:** |
| Aluminum angle stock | $30 | Used in a machined bracket to join two flatbed scanners to build a 2D translation system. This prototype translation system was abandoned for a simpler and more reliable system. |
| Steel drill rod | $15 | Used as gantry material in both prototype translation systems. |
| Linear bearings | $120 | Intended for use in the first prototype translation system and were not used in the second prototype translation system. |
| Stepper drivers | $100 | Five A4983 stepper drivers were purchased to supply power to the various stepper motors that actuate the hardware. |
| Arduino Microcontroller | $64 | Used to control all motors and sensors in the system and manage communication with the computer. |
| Photointerrupters | $15 | Used to check positioning of the 2D translation system. |
| Lasers | $198 | Two fiber-coupled infrared lasers were purchased used. |
| Brake cable | $15 | The cable was used to actuate the laser shuttering mechanism. |
| MDF | $10 | Chief construction material of the prototype system. |
| 5kgs Candelilla wax powder | $95 | Main component of the print powder. |
| Sieves | $110 | Used for mixing, refining, and reclaiming the print powder. |
| **Total Project Cost:** | $772 | All materials purchased for the project. |
| **Total Prototype Cost:** | $413 | Materials used in the final prototype system. |