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| **User Story / Requirement ID** | **User Story/Requirement Under Test** | |
| 01 | Core XY speed test | |
| ***Is it valid?*** |
| yes |
| ***If not valid, what is the new/Extra information from Marketing/Product Owner?*** | | |
|  | | |
| **Test Case ID** | **Test Case Name** | |
| 01 | · Core XY achieves desired speed within a reasonable timeframe | |
| Preconditions | Open Serial Terminal in Computer  Circuit Connected Appropriately  Serial Communication Module Connected  Program Compiled and Debugged  Core XY system mechanically set up | |
| Inputs | Keyboard to Serial Terminal  Serial Communications Module | |
| **Test Case Steps** | | |
| **Step Number** | **Step description** | **Expected Result** |
| **1** | Stepper motor speeds up in time | System gets to top speed fast. |
| **2** | System reaches reasonable speed | System reaches a speed of 50 mm/s |
| **3** | Stepper slows down fast | System slows down as it is getting to where its going. |
| **Estimated Time** | 2 hours |  |