| 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<br><br>Circuit Connected Appropriately<br><br>Serial Communication Module Connected<br><br>Program Compiled and Debugged<br><br>Core XY system mechanically set up |
| Inputs | Keyboard to Serial Terminal<br><br>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 | |